CICS® Transaction Server for OS/390®

CICS Messages and Codes

Release 3
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<table>
<thead>
<tr>
<th>Brand Name</th>
<th>Trademark Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Function Printing</td>
<td>Hardware Configuration Definition</td>
</tr>
<tr>
<td>Application System/400</td>
<td>Hiperspace</td>
</tr>
<tr>
<td>ACF/VTAM</td>
<td>IBM</td>
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<td>AD/Cycle</td>
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<td>ADSTAR</td>
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<tr>
<td>AIX</td>
<td>IMS/ESA</td>
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<tr>
<td>APL2</td>
<td>Language Environment</td>
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<td>DATABASE 2</td>
<td>RETAIN</td>
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<td>RMF</td>
</tr>
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<td>RT</td>
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<td>S/370</td>
</tr>
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<td>DFSMSdss</td>
<td>Systems Application Architecture</td>
</tr>
<tr>
<td>DFSMSHsp</td>
<td>SAA</td>
</tr>
<tr>
<td>DFSMSmm</td>
<td>SP</td>
</tr>
<tr>
<td>DFSORT</td>
<td>SQL/DS</td>
</tr>
<tr>
<td>Enterprise Systems Architecture/390</td>
<td>VTAM</td>
</tr>
<tr>
<td>ESA/370</td>
<td></td>
</tr>
<tr>
<td>ESA/390</td>
<td></td>
</tr>
</tbody>
</table>
Preface

What this manual is about: This manual contains messages unique to CICS Transaction Server for OS/390 Release 3 and is intended for use as a quick reference. It is closely linked with the CICS Problem Determination Guide which should also be consulted if a message indicates that there is a CICS problem.

Who this manual is for: This manual is for anybody who needs to understand and respond to CICS messages, including system operators, system programmers, and certain terminal users.

What you need to know to understand this manual: You can refer to this manual for the meaning of a message without understanding the manual as a whole. Your understanding of CICS Transaction Server for OS/390 Release 3, however, will be enhanced by a knowledge of the types of message CICS produces, the different places it sends messages, and the different audiences it intends to reach.

How to use this manual: When you are using CICS as a system operator or terminal user, or scanning a queue containing CICS messages, have this manual available as a reference.

Online Messages and Codes: CICS Transaction Server for OS/390 Release 3 messages and abend code descriptions documented in this manual (with the exception of AXM messages, a small number of numeric abends and Transaction Dump Codes) are available online using the CICS transaction CMAC. For guidance on using CMAC, see the CICS Supplied Transactions manual.

Notes on terminology

The following terminology is used:

- **CICS** used without any qualification refers to the CICS element of IBM CICS Transaction Server for OS/390
- **MVS** refers to the operating system, which can either be an element of OS/390, or MVS/Enterprise System Architecture System Product (MVS/ESA SP).
- **DL/I** refers to IMS/ESA DL/I (Data Language/I)
- **VTAM** refers to ACF/VTAM
- **TCAM** refers to the DCB interface of ACF/TCAM.
- **APPC** is used throughout this manual to refer to LUTYPE6.2 (LU6.2).

“Module” is used in this manual to refer to a program unit that is discrete and identifiable with respect to the input or output from an assembler or compiler. For the purposes of this manual, a module is the minimal serviceable object.

Determining if a publication is current

IBM regularly updates its publications with new and changed information. When first published, both hardcopy and BookManager softcopy versions of a publication are usually in step. However, due to the time required to print and distribute hardcopy books, the BookManager version is more likely to have had last-minute changes made to it before publication.

Subsequent updates will probably be available in softcopy before they are available in hardcopy. This means that at any time from the availability of a release, softcopy versions should be regarded as the most up-to-date.

For CICS Transaction Server books, these softcopy updates appear regularly on the Transaction Processing and Data Collection Kit CD-ROM, SK2T-0730-xx. Each reissue of the collection kit is indicated by an updated order number suffix (the -xx part). For example, collection kit SK2T-0730-06 is more up-to-date than SK2T-0730-05. The collection kit is also clearly dated on the cover.

Updates to the softcopy are clearly marked by revision codes (usually a “#” character) to the left of the changes.
Book structure

This book contains:

Chapter 1, “DFH messages” on page 1
Describes CICS Transaction Server for OS/390 Release 3 messages in alphanumeric order. These messages are identified by the prefix “DFH”.

Chapter 2, “AXM server environment messages” on page 791
Describes authorized cross-memory server environment messages in alphanumeric order. These messages are identified by the prefix “AXM”.

Chapter 3, “Transaction abend codes” on page 801
Describes CICS Transaction Server for OS/390 Release 3 transaction abend codes in alphanumeric order.

Chapter 4, “Transaction Dump Codes” on page 955
Describes CICS Transaction Server for OS/390 Release 3 transaction dump codes in alphanumeric order.

CICS Transaction Server for OS/390

CICS Transaction Server for OS/390: Planning for Installation GC33-1789
CICS Transaction Server for OS/390 Release Guide GC34-5352
CICS Transaction Server for OS/390 Migration Guide GC34-5353
CICS Transaction Server for OS/390 Installation Guide GC33-1681
CICS Transaction Server for OS/390 Program Directory GC33-1706
CICS Transaction Server for OS/390 Licensed Program Specification GC33-1707

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CICS Master Index SC33-1704
CICS User’s Handbook SX33-6104
CICS Glossary (softcopy only) GC33-1705

Administration
CICS System Definition Guide SC33-1682
CICS Customization Guide SC33-1683
CICS Resource Definition Guide SC33-1684
CICS Operations and Utilities Guide SC33-1685
CICS Supplied Transactions SC33-1686

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CICS Application Programming Reference SC33-1688
CICS System Programming Reference SC33-1689
CICS Front End Programming Interface User’s Guide SC33-1692
CICS C++ OO Class Libraries SC34-5455
CICS Distributed Transaction Programming Guide SC33-1691
CICS Business Transaction Services SC34-5268

Diagnosis
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CICS Data Areas LY33-6089
CICS Trace Entries SC34-5446
CICS Supplementary Data Areas LY33-6090

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CICS Family: Interproduct Communication SC33-0824
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CICS Performance Guide SC33-1699
CICS IMS Database Control Guide SC33-1700
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- CICSPlex SM View Commands Reference Summary

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- CICSPlex SM Administration
- CICSPlex SM Operations Views Reference
- CICSPlex SM Monitor Views Reference
- CICSPlex SM Managing Workloads
- CICSPlex SM Managing Resource Usage
- CICSPlex SM Managing Business Applications

Programming
- CICSPlex SM Application Programming Guide
- CICSPlex SM Application Programming Reference

Diagnosis
- CICSPlex SM Resource Tables Reference
- CICSPlex SM Messages and Codes
- CICSPlex SM Problem Determination

Other CICS books
- CICS Application Programming Primer (VS COBOL II)
- CICS Application Migration Aid Guide
- CICS Family: API Structure
- CICS Family: Client/Server Programming
- CICS Family: General Information
- CICS 4.1 Sample Applications Guide
- CICS/ESA 3.3 XRF Guide

Books in related libraries

IMS/VS
- IMS/VS Messages and Codes Reference Manual, SC26-4174
- IMS/VS Failure Analysis Structure Tables (FAST) for Dump Analysis, LY26-3992
- IMS/VS Diagnosis Guide and Reference, LY27-9526

IMS/ESA
- IMS/ESA Diagnosis Guide and Reference, LY27-9539
- IMS/ESA Failure Analysis Structure Tables, LY27-9512
- IMS/ESA Messages and Codes, SC26-8028
- IMS/ESA Application Programming: Database Manager, SC26-8015

IBM DATABASE 2
- IBM DATABASE2 Messages and Codes, SC26-4113

MVS
- OS/390 MVS System Codes, GC28-1780
- OS/390 MVS System Messages, Volume 1 (ABA-ASA), GC28-1784
- OS/390 MVS System Messages, Volume 2 (ASB-EWX), GC28-1785
- OS/390 MVS System Messages, Volume 3 (GDE-IEB), GC28-1786
OS/390 MVS System Messages, Volume 4 (IEC-IFD), GC28-1787
OS/390 MVS System Messages, Volume 5 (IGD-IZP), GC28-1788
OS/390 MVS System Management Facilities (SMF), GC28-1783
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OS/390 MVS JCL Reference, GC28-1757
OS/390 MVS Sysplex Services Reference, GC28-1772
OS/390 MVS Programming: Authorized Assembler Services Guide, GC28-1763
OS/390 MVS Programming: Authorized Assembler Services Reference, GC28-1764

DFP
MVS/DFP Access Method Services for VSAM Catalogs, SC26-4570
MVS/DFP Macro Instructions for VSAM Data Sets, SC26-4569

OS/VS
OS/VS VSAM Programmer's Guide, GC26-3838
OS/VS2 System Programming Library: Supervisor, GC28-0628
OS/VS2 System Programming Library: Job Management, GC28-0627

Access methods
SNA Formats, GA27-3136
ACF/VTAM Messages and Codes, SC27-0470
VTAM Programming, SC31-6436

Programming languages
IBM C/370 User's Guide SC09-1264
IBM OS/VS COBOL Compiler and Library Programmer's Guide, SC28-6483
VS COBOL II Application Programming: Debugging Guide, SC26-4049
VS COBOL II Installation and Customization, SC26-4048

Language Environment/370
Programming Guide, SC26-4818
Diagnosis Guide, SC26-4815
Chapter 1. DFH messages

While CICS is running, it can produce several types of messages.

- Console messages advise the system operator of execution progress, or request a decision.
- Certain CICS-supplied support programs communicate directly with terminal operators.
- CICS management modules and support programs log significant events and error occurrences to transient data destinations; for example, to the control system master terminal (CSMT), or to the CICS database control log (CDBC) for the CICS-DBCTL interface.
- The CICS message switching program (DFHMSP) generates message switching responses (described in the CICS Supplied Transactions manual).
- CICS directs informational macro notes (mnotes) to programmers. These are not documented.
- Messages produced by CICS utility programs such as DFHEMOLS and DFHMNDUP. These messages are self-explanatory and are not documented.

With the exception of the AXM messages, a small number of numeric abends and the Transaction Dump Codes, the messages described in this book can also be viewed online using the CICS transaction CMAC. For guidance on using CMAC, see the CICS Supplied Transactions manual.

CICS DFH message Identifiers

Message identifiers are of two types.

DFHnnnnn identifiers

These consist of the prefix “DFH” followed by a four digit message number. “DFH” is the IBM assigned identifier for CICS modules. The first two digits are the CICS module reference code as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>DFHSSIN</td>
</tr>
<tr>
<td>42</td>
<td>DFHZCNR</td>
</tr>
<tr>
<td>51</td>
<td>DFHCSDUP</td>
</tr>
<tr>
<td>52</td>
<td>DFHCSDUP</td>
</tr>
<tr>
<td>55</td>
<td>DFHCSDUP</td>
</tr>
<tr>
<td>56</td>
<td>DFHCSDUP</td>
</tr>
<tr>
<td>7x</td>
<td>Command-level translators</td>
</tr>
</tbody>
</table>

The last two digits are assigned by CICS to identify the message or group of messages within an assembled program.

DFHccnnnnn identifiers

These consist of the prefix “DFH” followed by a two-letter component identifier (cc), and a four-digit message number (nnnn). The component identifier shows the domain or the component which issues the message. Here is a list of component identifiers with associated domains and components:

- **AC** The abnormal condition program component
- **AI** The auto-install terminal model manager (AITM)
- **AM** The RDO allocation manager
- **AP** The application domain
- **AU** The transaction affinities utility
- **BA** The CICS business transaction services (BTS) domain
- **BR** Bridging to 3270 transactions
- **CA** RDO command utility routine
- **CC** The CICS catalog domain (local and global)
- **CE** The sign on program component
- **CF** CICS coupling facility data tables server
- **CP** The CPI Communications component
- **CR** The ISC remote scheduler component
- **CZ** The CICS class libraries domain
- **DB** The CICS database control component
- **DD** The directory manager
- **DH** Document handler component
- **DM** The domain manager domain
- **DS** The dispatcher domain
- **DU** The dump domain
- **DX** The CICS database control component
- **EM** The Event Manager domain
- **ER** The user backout program
- **EX** The external CICS interface
DFH messages

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC</td>
<td>The file control component</td>
</tr>
<tr>
<td>FE</td>
<td>The FE terminal test program component</td>
</tr>
<tr>
<td>IC</td>
<td>The interval control program</td>
</tr>
<tr>
<td>IN</td>
<td>The indoubt testing tool</td>
</tr>
<tr>
<td>IR</td>
<td>The interregion component</td>
</tr>
<tr>
<td>JC</td>
<td>The online journal control component</td>
</tr>
<tr>
<td>KC</td>
<td>The transaction/profile manager</td>
</tr>
<tr>
<td>KE</td>
<td>The kernel domain</td>
</tr>
<tr>
<td>LD</td>
<td>The loader domain</td>
</tr>
<tr>
<td>LG</td>
<td>The logger domain</td>
</tr>
<tr>
<td>LM</td>
<td>The lock manager domain</td>
</tr>
<tr>
<td>MC</td>
<td>The BMS message control program component</td>
</tr>
<tr>
<td>ME</td>
<td>The message domain</td>
</tr>
<tr>
<td>MN</td>
<td>The monitor domain</td>
</tr>
<tr>
<td>MU</td>
<td>The message editing utility program</td>
</tr>
<tr>
<td>MV</td>
<td>The MVS RESMGR exit stub</td>
</tr>
<tr>
<td>NC</td>
<td>The Named counter sequence number server</td>
</tr>
<tr>
<td>NQ</td>
<td>The enqueue manager domain</td>
</tr>
<tr>
<td>PA</td>
<td>The parameter manager domain</td>
</tr>
<tr>
<td>PC</td>
<td>The program control program component</td>
</tr>
<tr>
<td>PD</td>
<td>The print dump exit routine DFHPDX</td>
</tr>
<tr>
<td>PG</td>
<td>The program manager domain</td>
</tr>
<tr>
<td>PR</td>
<td>The partner resource manager</td>
</tr>
<tr>
<td>PS</td>
<td>The system spooler interface control module component</td>
</tr>
<tr>
<td>RD</td>
<td>The RDO allocation manager</td>
</tr>
<tr>
<td>RM</td>
<td>The recovery manager</td>
</tr>
<tr>
<td>RP</td>
<td>CICS ONC RPC</td>
</tr>
<tr>
<td>RS</td>
<td>The communications resynchronization program</td>
</tr>
<tr>
<td>RT</td>
<td>The ISC transaction routing component</td>
</tr>
<tr>
<td>RU</td>
<td>The recovery utility program</td>
</tr>
<tr>
<td>RX</td>
<td>The RRS-coordinated EXCI domain</td>
</tr>
<tr>
<td>SH</td>
<td>The Sheduler domain</td>
</tr>
<tr>
<td>SI</td>
<td>The system initialization component</td>
</tr>
<tr>
<td>SK</td>
<td>The sub task control program component</td>
</tr>
<tr>
<td>SM</td>
<td>The storage manager domain</td>
</tr>
<tr>
<td>SN</td>
<td>The signon component</td>
</tr>
<tr>
<td>SO</td>
<td>The CICS Sockets domain</td>
</tr>
<tr>
<td>SR</td>
<td>The system recovery component</td>
</tr>
<tr>
<td>ST</td>
<td>The statistics domain</td>
</tr>
<tr>
<td>SZ</td>
<td>The front end programming interface (FEPI)</td>
</tr>
<tr>
<td>TC</td>
<td>The terminal control program component</td>
</tr>
<tr>
<td>TD</td>
<td>The transient data component</td>
</tr>
<tr>
<td>TF</td>
<td>The terminal facility manager</td>
</tr>
<tr>
<td>TI</td>
<td>The timer domain</td>
</tr>
<tr>
<td>TM</td>
<td>The system termination program component</td>
</tr>
<tr>
<td>TO</td>
<td>The terminal object resolution program component</td>
</tr>
<tr>
<td>TP</td>
<td>The BMS terminal page retrieval program component</td>
</tr>
<tr>
<td>TR</td>
<td>The trace domain</td>
</tr>
<tr>
<td>TS</td>
<td>The temporary storage domain</td>
</tr>
<tr>
<td>UP</td>
<td>The measured usage license charging support macro</td>
</tr>
<tr>
<td>US</td>
<td>The user domain</td>
</tr>
<tr>
<td>WB</td>
<td>The CICS Web Interface</td>
</tr>
<tr>
<td>XA</td>
<td>The XRF alternate component</td>
</tr>
<tr>
<td>XC</td>
<td>The XRF CICS availability manager</td>
</tr>
<tr>
<td>XG</td>
<td>The XRF general component</td>
</tr>
<tr>
<td>XM</td>
<td>The transaction manager</td>
</tr>
<tr>
<td>XO</td>
<td>The XRF CICS availability manager</td>
</tr>
<tr>
<td>XQ</td>
<td>The shared temporary storage queue pool server</td>
</tr>
<tr>
<td>XS</td>
<td>The CICS security component</td>
</tr>
<tr>
<td>ZC</td>
<td>The terminal control working set component</td>
</tr>
<tr>
<td>ZE</td>
<td>The TCP error message writer component</td>
</tr>
<tr>
<td>ZN</td>
<td>The syncpoint component</td>
</tr>
</tbody>
</table>

Thus the CICS message DFHAP0002 is issued from the application domain, identified by the two-character identifier AP.

**Action codes**

Certain messages (for example, DFHDB8208D) include an action code after the message identifier. Action codes give guidance to the operator of the type of action needed when the message appears on the system console. The following action codes are used:

- **A** Immediate action (for example, mount a tape)
- **D** Immediate decision (reply to a request, for example, enter “GO” or “CANCEL”)
- **E** Eventual – action is required, but does not have to be taken immediately
- **I** No action required (If issued via the message domain, these messages can be suppressed by specifying MSGLVL=0 as a system initialization override.)
Severity codes

Certain messages, especially those associated with messages to terminal operators and messages which come from CICS utilities, have a severity code. (DFHST0210 I, is an example.) A severity code indicates to the operator whether a message is associated with an error, and if so, how serious it is. The following severity codes are used:

**E** Error. Something has gone wrong and action is required of the user before CICS processing can continue.

**I** Information only. No action is required.

**W** Alert. Something may have gone wrong, a program loop for example, but CICS processing continues.

**S** Severe error. Something serious has gone wrong and immediate action is required. CICS processing is suspended until action has been taken.

Format of information

Information about each message is presented in the following format:

- **Message identifier** – in the form DFHnnnn or DFHccnnnn
- **Message text** – the words and inserts which make up the message as displayed in CICS
- **Explanation** – the events leading to or following the production of the message
- **System action** – the action that has been or will be taken by CICS
- **User response** – the action recommended for the user (the console or terminal operator or system programmer)
- **Destination** – the device or log to which the message is sent. This is one of the following:
  - Console – refers to a terminal type attached to CICS. (Route codes are 2 and 11 unless otherwise stated.)
  - Terminal end user
  - TERMCDBC – terminals running the CDBC transaction.
  - SYSPRINT (System printer)
  - One of the following transient data queues:
    - CADL VTAM resource definition log
    - CAFF Transaction affinities utility messages
    - CAIL Autoinstall terminal model manager (AITEM) log
    - CCPI Common programming interface for communications (CPI Communications) messages
    - CCZM CICS classes
    - CDBC CICS-DBCTL interface log
    - CDB2 CICS DB2 messages
    - CDUL Transaction dump messages
    - CMIG Migration log for messages reporting the use of functions that are no longer supported
    - CPLD PL/I dumps
    - CPLI PL/I sysprint output
    - CRDI Log for installed resource definitions
    - CRPO ONC RPC messages
    - CSBA BA domain message queue
    - CSCC CICS client error log
    - CSCS Sign on/off security log
    - CSDH Document handler
    - CSDL CEDA command log
    - CSFL File allocation and related messages
    - CSKL Log for transaction and profile resource definitions
    - CSML Sign on/off messages
    - CSMT Write term errors and abends from DFHTACP and DFHACP
    - CSOO Sockets domain message queue
    - CSPL Log for program resource definitions
    - CSQL TDQUEUE messages
    - CSR1 Log for partner resource definitions
    - CSSH Scheduler services
    - CSSL Statistics log
DFH messages

CSTL   Term I/O error messages from DFHTACP
CSNE   Terminal error messages issued from DFHZNAC.
CSZL   FEPI message queue
CWBO   CICS Web Interface messages

Note: Destination CXRF is used by the alternate CICS system in an XRF environment until the other destinations are made available during the takeover.

- Module(s) – the name(s) of the module or modules that determined that the message should be sent. (This is not necessarily the module that issued the macro to write the message.)

XMEOUT parameters – Messages that can drive the XMEOUT global user exit include a list of XMEOUT parameters. The XMEOUT exit allows you to suppress or reroute messages that use the message domain. A number of console messages should not be rerouted to a transient data queue. These include all DFHTDnnnn messages and certain DFHMEXMnnnn and DFHUSnnnn messages. A note to this effect is included in the descriptions of these messages.

For programming information about the XMEOUT user exit see the CICS Customization Guide.

Route codes – Console messages can be sent to a number of console types. The type of console to which a particular message is sent is determined by the MVS route code. Each route code maps onto one console type. The meanings of the route codes normally used by CICS are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Master console action – indicates a change in system status demanding operator action</td>
</tr>
<tr>
<td>2</td>
<td>Master console information – indicates a change in system status (system default)</td>
</tr>
<tr>
<td>3</td>
<td>Tape pool status or other tape related information</td>
</tr>
<tr>
<td>4</td>
<td>Direct access pool status or other related information</td>
</tr>
<tr>
<td>5</td>
<td>Tape library information</td>
</tr>
<tr>
<td>6</td>
<td>Disk library information</td>
</tr>
<tr>
<td>7</td>
<td>Unit record pool information</td>
</tr>
<tr>
<td>8</td>
<td>Teleprocessing control status</td>
</tr>
<tr>
<td>9</td>
<td>System security checking</td>
</tr>
<tr>
<td>10</td>
<td>System error or maintenance information</td>
</tr>
<tr>
<td>11</td>
<td>Programmer information for the MVS log</td>
</tr>
</tbody>
</table>

Note: This route code suppresses the operator’s reply on the screen and on SYSLOG

Unless otherwise stated, console messages have the route codes ‘2’ and ‘11’.

Message editing – You can use the message editing utility to change the text or language of those CICS messages that are issued via the message domain. Messages that cannot be changed using the utility include a note to this effect before the message destination. See the CICS Operations and Utilities Guide for more information about the message editing utility.

Console message reformatting – The “console message handling facility” is an optional feature of the CICS subsystem that can affect the appearance of CICS messages displayed on an MVS console. It is effective when you specify FORMATMSG=YES as an initialization parameter for the CICS subsystem, as described in the CICS Transaction Server for OS/390 Installation Guide. When this facility is used, it affects messages displayed on MVS system consoles in the following ways:

- The subsystem tries to ensure that all console messages issued by all CICS regions have a standard format. The standard format is:

```
Column number:  1   13  22
|     |     |
+DFHnnnn applid message-text
```

The “plus” sign (+) is added by MVS to indicate that a problem-state program issued the message. It is not present when CICS issues the message while it is in supervisor state.

The applid inserted into the message is the specific application identifier. This is the identifier that is specified in the system initialization parameter APPLID. It is the only operand when the XRF=NO system initialization parameter is specified, or the second operand when XRF=YES is specified.

- The subsystem adds routecodes specified in the ROUTECODES subsystem initialization parameter, so the messages might be sent to more console destinations than those implied in the body of this book.

- The subsystem reformats messages for all CICS releases, even those issued by CICS/OS/VS Version 1.
• The subsystem does not reformat messages that are issued by a CICS region that has not yet determined its applid. This includes messages that are issued while processing the system initialization table and its overrides.

• The subsystem routine that reformats the messages does not receive control until after the message has been recorded in the CICS job's job log. Therefore, the reformatting is not usually apparent in the job log.

• Messages issued by the message domain already contain the applid. The subsystem does not insert the applid into such messages, but it might insert blank characters to cause alignment into standard locations.

• If the original CICS message is a long one, adding the applid in the standard position might cause the message to exceed the maximum length for an MVS console message. In this case, the original message is suppressed (does not appear on the console), and a new message is issued using the MVS multiple-line console message service to split the message over several lines. Both the original message and perhaps several instances of the reformatted multiple-line message appear in the job log, but only one copy of the reformatted message is displayed on the console.

• For some messages where the applid normally follows a time and date stamp, inserting the applid in the standard position would have resulted in the applid being duplicated within the message. For these messages, the subsystem eliminates the time and date stamp, since they are available from other sources, and only one occurrence of the applid is shown.

**Terminal identifiers** – Some messages include a terminal identifier (termid) in the message text. This is normally shown as a 4-character identifier. However, when CICS cannot completely identify a terminal – for example, when intersystem communication is taking place, the terminal identifier is prefixed by the application identification (applid) of the system owning the terminal.

**Abend code inserts** – The transaction abend code insert (abcde) in some CICS messages is displayed as ‘????’ when neither the EXEC CICS ABEND request nor the DFHPC TYPE=ABEND macro request specifies an abend code.

**Dumps** – A dump is generally available for printing when a CICS system abend or abnormal termination occurs, provided the relevant data set has been specified. The dump can be used for problem determination.

**Terminology** – The terms “abnormally terminates” and “abnormal termination” are frequently used in a general sense to relate, as applicable, to one of the following:

- The termination of CICS as a result of an MVS ABEND macro. (The term “abend” may also be used.)
- The termination of a transaction (task) as a result of a CICS transaction ABEND macro.

**MVS user abend codes**

DFH messages which accompany a CICS system, utility, or subtask abend have an associated MVS user abend code. Where possible, the value of this code is the numeric part of the corresponding DFH message. Thus DFH0305 has an 0305 user abend code. If an MVS abend code is issued but not the associated CICS message, the problem probably does not originate with CICS. See the description of the MVS abend code in the MVS System Codes manual for further information.

The highest possible value of an MVS user abend code is 4095, therefore any DFH message with a number higher than 4095 has an MVS user abend code that does not follow the above convention. The following are lists of the abend codes for messages with numbers above 4095, in order of abend code, and in order of message number.

**Ordered by abend code**

<table>
<thead>
<tr>
<th>Abend Code</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>0108</td>
<td>DFH5263</td>
</tr>
<tr>
<td>0112</td>
<td>DFH5100</td>
</tr>
<tr>
<td>0123</td>
<td>DFH5175</td>
</tr>
<tr>
<td>0125</td>
<td>DFH5180</td>
</tr>
<tr>
<td>0126</td>
<td>DFH5184</td>
</tr>
<tr>
<td>0127</td>
<td>DFH5148</td>
</tr>
<tr>
<td>0147</td>
<td>DFH5721</td>
</tr>
<tr>
<td>0148</td>
<td>DFH5722</td>
</tr>
<tr>
<td>0149</td>
<td>DFH5723</td>
</tr>
<tr>
<td>0150</td>
<td>DFHER5724</td>
</tr>
<tr>
<td>0151</td>
<td>DFHER5725</td>
</tr>
</tbody>
</table>
DFH messages

Ordered by message identifier

<table>
<thead>
<tr>
<th>DFHAK5802 0161</th>
<th>DFHXA6541 0201</th>
<th>DFHXG6450 0190</th>
<th>DFH5100 0121</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHAK5803 0162</td>
<td>DFHXA6580 0214</td>
<td>DFHXG6451 0191</td>
<td>DFH5148 0127</td>
</tr>
<tr>
<td>DFHER5724 0150</td>
<td>DFHXG6415 0206</td>
<td>DFHXG6452 0192</td>
<td>DFH5175 0123</td>
</tr>
<tr>
<td>DFHER5725 0151</td>
<td>DFHXG6427 0209</td>
<td>DFHXG6453 0193</td>
<td>DFH5180 0125</td>
</tr>
<tr>
<td>DFHJC4530 0185</td>
<td>DFHXG6430 0203</td>
<td>DFHXG6454 0194</td>
<td>DFH5184 0126</td>
</tr>
<tr>
<td>DFHJC4534 0184</td>
<td>DFHXG6439 0205</td>
<td>DFHXG6524 0213</td>
<td>DFH5263 0108</td>
</tr>
<tr>
<td>DFHPS5394 0170</td>
<td>DFHXG6440 0195</td>
<td>DFHXO6700 0220</td>
<td>DFH5721 0147</td>
</tr>
<tr>
<td>DFHXA6523 0207</td>
<td>DFHXG6441 0196</td>
<td>DFHXO6702 0222</td>
<td>DFH5722 0148</td>
</tr>
<tr>
<td>DFHXA6528 0210</td>
<td>DFHXG6442 0197</td>
<td>DFHXO6703 0223</td>
<td>DFH5723 0149</td>
</tr>
<tr>
<td>DFHXA6530 0204</td>
<td>DFHXG6443 0198</td>
<td>DFHXO6704 0221</td>
<td>DFH5754 0152</td>
</tr>
<tr>
<td>DFHXA6540 0200</td>
<td>DFHXG6444 0202</td>
<td>DFHXO6720 0224</td>
<td>DFH6529 0211</td>
</tr>
</tbody>
</table>

Notes:

1. All messages which appear in the JES job log are prefixed by a time stamp and job number. Because of this, some messages will have their message text truncated. If the full message text is required, consult the MVS log as all messages in the JES log are duplicated in the MVS system log.

2. User abend 0225 is internal to CICS. It is issued by DFHDTES when, during backout, an entry in a hash table has been marked empty where it should not be possible. This causes the CICS region to be abnormally terminated. If this abend occurs, you will need help to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.
DFH01xx CICS subsystem messages

DFH0100  CICS SUBSYSTEM IS NOW INITIALIZED
Explanation: The CICS subsystem identified in an entry in an IEFSSNxx member of SYS1.PARMLIB has been successfully initialized.
System Action: None.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHSSIN

DFH0101  CICS SUBSYSTEM WAS NOT INITIALIZED
Explanation: The CICS subsystem identified in an entry in an IEFSSNxx member of SYS1.PARMLIB could not be successfully initialized.
System Action: The system continues without the services of the subsystem.
User Response: Use the preceding DFH01xx message to investigate the reason why the subsystem could not be initialized. After correction, re-IPL MVS to initialize the subsystem.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHSSIN

DFH0102  CICS SUBSYSTEM COULD NOT LOAD MODULE
Explanation: When trying to initialize the CICS subsystem, module module could not be loaded into common storage. The module must either be in the MVS link pack or be capable of being loaded from a library in the MVS linklist concatenation by means of a LOAD GLOBAL=(YES,P) macro.
System Action: The system issues message DFH0101 and does not initialize the subsystem.
User Response: Investigate the reason why the module could not be loaded. After correction, re-IPL MVS to initialize the subsystem.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHSSIN

DFH0103  CICS PARAMETER MEMBER NAME member IS INVALID
Explanation: The third positional parameter in the subsystem definition for the CICS subsystem is not a valid member name because it contains more than eight characters. In the entry in an IEFSSNxx member of SYS1.PARMLIB that defines the CICS subsystem, a parameter is coded that is not a valid name for a member containing CICS initialization parameters.
System Action: The parameter coded is truncated to eight characters and the result is used as the member name for reading CICS parameters from SYS1.PARMLIB. Whether or not the resultant parameters are valid, the system later issues message DFH0101 and does not initialize the subsystem.
User Response: Correct the definition of the CICS subsystem in the IEFSSNxx member of SYS1.PARMLIB. After correction, re-IPL MVS to initialize the subsystem.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHSSIN

DFH42xx (DFHZCNR) messages

DFH4200  jobname tranid
Explanation: jobname is the jobname of CICS in the MVS system. CICS transaction tranid has issued a TC READ request to the operator console.
System Action: The transaction is suspended pending a reply.
User Response: Enter a reply at the console.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHZCNR
**DFH51xx (DFHCSDUP) messages**

**DFH5100 S SEVERE ERROR IN MODULE modname. ABEND CODE: abcode**

**Explanation:** An internal error has occurred in module modname, when invoked by a CSD utility command.

**System Action:** Processing terminates abnormally with an operating system dump and abend code abcode. The CSD utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

**User Response:** See the description of abend code abcode for guidance.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

**DFH5101 I command COMMAND EXECUTED SUCCESSFULLY.**

**Explanation:** The execution of a CSD utility command command completed successfully.

**System Action:** Normal processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

**DFH5102 I WARNING MESSAGES ISSUED WHILE PROCESSING command COMMAND.**

**Explanation:** The CSD utility issued messages during syntax-checking and execution of the command command.

**System Action:** Normal utility processing continues to the end of the job.

**User Response:** Review the warning messages to see how they have affected utility processing. Then decide whether you need to submit a further CSD utility job.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

**DFH5103 I ERROR(S) OCCURRED WHILE PROCESSING command COMMAND.**

**Explanation:** The CSD utility either found a syntax error in the utility command command, or the command command failed to execute correctly.

**System Action:** Utility command execution is terminated.

If commands are being read from a SYSPIN data stream by the utility, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

**User Response:** If the command failed because of syntax errors, correct the command.

If the command failed to execute correctly, this may have been caused by a previous error. In such a situation, an associated error message, such as DFH5275, should have been issued. Refer to these error messages for further guidance.

Correct all errors before trying to open the CSD file again.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

**DFH5104 W SUBSEQUENT COMMANDS (EXCEPT LIST) ARE NOT EXECUTED BECAUSE OF ERROR(S) ABOVE.**

**Explanation:** After the CSD utility program encounters an error, it ceases to execute any further commands read from a data stream (as opposed to supplied by a Put-Message exit routine). However, it continues to check the syntax of subsequent commands. The exception is the LIST command, which will still be executed if the primary CSD file can be opened.

**System Action:** Subsequent CSD utility commands (except LIST) are ignored.

**User Response:** Check for a syntax error in the commands used and correct it.

There should be associated error messages which identify the problem that caused DFHCSDUP to halt active processing. These messages should appear in DFHCSDUP output before message DFH5104 is issued.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

**DFH5105 W command COMMAND NOT EXECUTED BECAUSE OF PREVIOUS ERROR(S).**

**Explanation:** If a syntax error (or an execution error) occurred in a command read from a data stream and processed earlier, no further commands (except for LIST commands) are executed. If the primary CSD file could not be opened, the LIST command is not executed either.

**System Action:** The CSD utility command is not executed.

**User Response:** Check for syntax errors or execution errors in commands processed earlier.

Correct the invalid commands.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP
DFH5107 I COMMANDS EXECUTED SUCCESSFULLY: nn
COMMANDS GIVING WARNINGS: nn COMMANDS IN ERROR: nn
Explanation: The CSD utility has completed input command processing. Commands giving warnings may or may not have been executed successfully.
System Action: Normal processing continues to the end of the job.
User Response: If any CSD utility commands in error were executed, decide if the results are what you want.
If they are NOT what you want, correct them and resubmit them in another job.
If any commands were not executed, you must resubmit them.
(See message DFH5108.)
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5108 I COMMANDS NOT EXECUTED AFTER ERROR(S): nn
Explanation: The CSD utility has completed input command processing. The number of commands not executed because of errors is indicated by nn.
System Action: Normal processing continues to the end of the job.
User Response: Correct the commands in error and resubmit them in another job.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5109 I END OF DFHCSDUP UTILITY JOB. HIGHEST RETURN CODE WAS: retcode
Explanation: The CSD utility job is complete.
System Action: Control returns to the invoker, that is, either the operating system or to an invoking program.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5110 W ERROR FOUND IN 'PARM=' PARAMETER DATA ON EXEC JOB STEP. THIS DATA IS IGNORED.
Explanation: The value of the PARM parameter on the EXEC job in the JCL to run the DFHCSDUP utility is incorrect.
System Action: The PARM parameter is ignored. The CSD is opened for read and write operations.
User Response: Correct the erroneous PARM value. The incorrect value can be found in the job step.
The CICS Operations and Utilities Guide describes how to code the PARM parameter.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5114 S THE (PRIMARY / SECONDARY) CSD HAS NOT BEEN INITIALIZED. COMMAND NOT EXECUTED.
Explanation: The primary CSD file must be initialized before any CSD utility command (other than the INITIALIZE or SERVICE commands) can be processed. If a secondary CSD file is used, it must always be initialized before this command can be processed. CICS issues this message if you try to break either of these rules, or if an attempt to initialize a CSD file fails to complete successfully
System Action: The CSD utility ignores the command.
User Response: Initialize the CSD file. You may first have to determine why a previous initialization attempt failed.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5115 S THE PRIMARY CSD IS ALREADY INITIALIZED. COMMAND NOT EXECUTED.
Explanation: An INITIALIZE or a SERVICE command was encountered but the primary CSD file has already been initialized.
System Action: The INITIALIZE or SERVICE command is ignored.
User Response: Confirm that the correct CSD file was specified.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5116 S THE PRIMARY CSD HAS BEEN DEFINED WITH AN INVALID KEY LENGTH. PROCESSING IS TERMINATED.
Explanation: The CSD utility cannot initialize the CSD file because it has been defined to VSAM with an invalid key length.
System Action: The CSD file remains uninitialized, and no utility commands are processed.
User Response: Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify KEYS(22 0). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP
DFH5117 S THE PRIMARY CSD HAS BEEN DEFINED WITH AN INVALID RECORD SIZE. PROCESSING IS TERMINATED.

Explanation: The CSD utility cannot initialize the CSD file, because it has been defined to VSAM with an invalid record length.

System Action: The CSD file remains uninitialized, and no utility commands are processed.

User Response: Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify RECORDSIZE(100 500). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5120 I {PRIMARY | SECONDARY} CSD OPENED; DDNAME: ddname

Explanation: The VSAM data set specified in the JCL has been successfully opened, and is identified as the primary or secondary CSD file. (All utility commands processed will use the same primary CSD file. Different secondary CSD files may be accessed by different utility commands.)

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5121 S I/O ERROR WHILE OPENING {PRIMARY | SECONDARY} CSD; DDNAME: ddname

Explanation: An I/O error occurred when reading or writing control records of the VSAM data set identified in the JCL as the primary or secondary CSD file.

System Action: The utility command is not executed.

User Response: Retry the utility command that failed. If the problem persists, restore the CSD file from your own backup procedures.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5122 S VSAM ERROR WHILE OPENING {PRIMARY | SECONDARY} CSD; DDNAME: ddname

Explanation: A VSAM error occurred when opening the data set identified in the JCL as a primary or secondary CSD file.

System Action: The utility command is not executed.

User Response: Refer to the VSAM diagnostics output in message DFH5179 for further information and guidance.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5123 I (PRIMARY | SECONDARY) CSD CLOSED; DDNAME: ddname

Explanation: The VSAM data set used as the primary or secondary CSD file has been successfully closed, with control records updated if necessary. (The primary CSD file is closed after all the utility commands have been processed; the secondary CSD file is closed after the command for which it was opened.)

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5124 S PROCESSING TERMINATED. CORRUPTED CSD CONTROL RECORD DETECTED WHILE CLOSING CSD; DDNAME: ddname

Explanation: A storage corruption is preventing the CSD control records from being updated when the CSD file is being closed.

System Action: No further CSD utility commands are processed.

User Response: Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the errors have occurred because they do not print and are therefore easily identifiable. Using the information available, determine the cause of the errors and correct them.

Resubmit the CSD utility commands that failed.

If you cannot resolve the problem, or if the problem persists, you will need further help from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5125 S ERROR OCCURRED WHILE CLOSING THE CSD. FILE IS FULL; DDNAME: ddname

Explanation: After processing the CSD utility commands, the CSD control records are updated before closing the data set.

Updating failed because data set ddname was full.

System Action: Utility command processing is terminated.

User Response: Initialize a new primary CSD file with a larger data set size. Then use the IDCAMS IMPORT and EXPORT commands to restore the CSD file onto a larger data set.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP
Chapter 1. DFH messages

DFH5126 S I/O ERROR WHILE CLOSING THE (PRIMARY | SECONDARY) CSD; DDNAME: dname

Explanation: An I/O error occurred when reading or writing the control records of the CSD file, before closing VSAM data set dname.

System Action: No further utility commands are executed.

User Response: Resubmit the utility commands that failed. If the problem persists, restore the CSD file from your own backup procedures.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5127 S VSAM ERROR WHILE CLOSING (PRIMARY | SECONDARY) CSD; DDNAME: dname

Explanation: A VSAM error occurred when closing the data set dname in the JCL as the primary or secondary CSD file.

System Action: No further CSD utility commands are executed.

User Response: Refer to the VSAM diagnostics output in message DFH5179 for further information and guidance.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5128 S PROCESSING TERMINATED. (PRIMARY | SECONDARY) CSD ACCESSED BY ANOTHER USER AND COULD NOT BE SHARED. DDNAME: dname

Explanation: An attempt to open the CSD has returned an error from VSAM because the data set is not available for the type of processing requested.

This usually means that:
• An attempt has been made to open the CSD in non-RLS access mode, but the CSD is already being accessed from elsewhere in RLS access mode.
• An attempt has been made to open the CSD in RLS access mode, but the CSD is already being accessed from elsewhere in non-RLS access mode.
• An attempt has been made to open the CSD in non-RLS access mode and the CSD is already being accessed in non-RLS access mode, but the CSD cluster has been defined with SHAREOPTIONS that restrict its concurrent use.

System Action: The command is not executed.

User Response: You can change the access mode in which you are trying to open the CSD.

Note: You must specify PARM=CSD(READONLY) if you wish to open a recoverable CSD in RLS access mode from the DFHCSDUP utility program.

Alternatively, wait until the CSD file is no longer being accessed in the conflicting access mode, or until it becomes available again in accordance with the SHAREOPTIONS rules defined for the cluster.

If the conflict is due to SHAREOPTIONS and LIST is the only command you want to execute, you can specify PARM=CSD(READONLY).

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5130 E UNABLE TO LOCATE MODULE DFHCICS. PRIMARY CSD NOT INITIALIZED.

Explanation: The DFHCICS module is missing from the library.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Ensure that the DFHCICS module is present in the library.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5131 I LIST listid CREATED.

Explanation: The INITIALIZE command has created the header list for an IBM-protected list.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5132 S UNABLE TO CREATE LIST listid

Explanation: The INITIALIZE command has failed when calling the CSD manager routing program, DFHDMP, to create a new list listid on the CSD file for the IBM-protected groups. The CSD file may be full or corrupt.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Check that the data set size for the CSD file is large enough. If it is not, allocate more space.

If there is ample space and you suspect that the CSD file is corrupt, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5133 S CSD CONTAINS ONE OR MORE LISTS. NO LISTS MAY BE PRESENT ON THE CSD WHEN THE INITIALIZE COMMAND IS ISSUED.

Explanation: The CEDA transaction was used to create a list while the INITIALIZE command was executing.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Redefine the data set and re-run the INITIALIZE command. The CEDA transaction must not be used until the initialization of the CSD file has been successfully completed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
DFH5134 S

ERROR OCCURRED WHILE ADDING GROUP

gpname TO LIST listid

Explanation: A call to the CSD manager routing program, DFHDMP, to write the definition of group gpname to the CSD file as a member of an IBM-protected list listid created an error. The CSD file may be full or corrupt.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Increase the data set size for the CSD file and repeat the INITIALIZE request. If this fails, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5135 I

GROUP gpname ADDED TO LIST listid

Explanation: A group definition gpname has been satisfactorily created on the CSD file in list listid.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5136 W

GROUP gpname IS ALREADY A MEMBER OF LIST listid

Explanation: Group gpname already exists in list listid. CICS does not create a duplicate entry.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5139 W

CONSIDER IMPLICATIONS OF MIGRATING TYPE=SHARED ENTRIES.

Explanation: The CSD utility detected a migrate of a TST TYPE=SHARED entry. A DFHTST TYPE=SHARED entry is not directly migrated. Only when a TYPE=REMOTE macro that specifies a SYSIDNT that matches a SYSID in the corresponding TYPE=SHARED macro is a TSMODEL created.

System Action: The CSD utility continues processing of the MIGRATE command.

User Response: If SYSID is explicitly specified on the EXEC CICS request, or added by a global user exit program, and the intent of the SYSID is to direct the request to a SHARED TS pool, you must use the migrated TST in order to satisfy the request to use the pool. See the CICS Resource Definition Guide for more information.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5140 I

TOTAL xxxxxxxx DEFINITIONS CREATED: nn

Explanation: CICS issued this message after migrating a CICS table. nn definitions of type xxxxxxxx have been created on the CSD file.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5142 E

COMMAND NOT EXECUTED. lgname WAS NOT UPDATED BECAUSE OF A PREVIOUS UPDATE FAILURE.

Explanation: The list or group lgname cannot be used because an operation to update it, using the DFHCSDUP offline utility, failed to execute to completion. This has probably happened in a previous execution of DFHCSDUP.

System Action: The command is not executed, and the execution of subsequent DFHCSDUP commands in the job stream is suppressed.

User Response: Use the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5134 S
Chapter 1. DFH messages

DFH5143 I GROUP grpname CREATED.

Explanation: A new CSD group, grpname, has been created for the data in the table being migrated.

System Action: Migration continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSUDP

DFH5145 E COMMAND NOT EXECUTED. lgname HAS BEEN LOCKED BY APPLID: applid, OPID:opid TO PREVENT UPDATING.

Explanation: The list or group lgname cannot be used because a user of the CEDA or CEDB transaction has enforced a LOCK command to prevent updating by other users.

System Action: The command is not executed.

If commands are being read from a SYSPRINT data stream, then subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSUDP utility attempts to process subsequent commands.

User Response: Negotiate with the user with the specified OPID and APPLID, or create a new group or list by taking a copy of the definitions in the locked one.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSUDP

DFH5146 E COMMAND NOT EXECUTED. lgname IS CURRENTLY BEING UPDATED BY APPLID: applid, OPID:opid

Explanation: The list or group lgname cannot be used because:

- A user of the CEDA or CEDB transaction is currently running a command to update it
- A previous operation to update it using CEDA or CEDB failed to execute to completion.

System Action: The command is not executed.

If commands are being read from a SYSPRINT data stream, then subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSUDP utility attempts to process subsequent commands.

User Response: Resubmit the utility job to retry the command that failed. Perform the subsequent commands that were suppressed.

If this fails to resolve the problem, run the DFHCSUDP VERIFY command to remove the in-flight flag detected when this message is produced.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSUDP

DFH5147 E COMMAND NOT EXECUTED. lgname ALREADY EXISTS AS A (GROUP | LIST)

Explanation: The name chosen for the target group (or list) duplicates that of an existing group or list on the CSD file.

System Action: Processing of the utility command is terminated.

User Response: Choose a different name for the target group.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSUDP

DFH5148 E UNABLE TO GET STORAGE FOR (FCT | RDT | LD) TABLE NAMED table

Explanation: There is insufficient storage to satisfy a GETMAIN request for table table.

System Action: The system action depends on the table specified as follows:

LD (language definition table)
- The CSD utility cannot process any commands, and terminates with a dump. The MVS user abend code is 0327.

FCT and RDT
- The CSD utility cannot migrate the table, and terminates processing of the utility command.

User Response: Allocate additional storage. If your TCT assembly and link-editing is successful, the RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSUDP

DFH5149 E COMMAND NOT EXECUTED. xxxxxxxx IS IBM-PROTECTED.

Explanation: A user attempted to add a definition to an IBM-supplied group or list (groups or lists beginning with DFH).

This is not allowed.

System Action: The CSD utility does not create a definition.

User Response: Change the input command or TCT source data to name a target group or list whose name does not begin with DFH.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSUDP

DFH5150 W xxxxxxx OPTION CONFLICTS WITH yyyy yyyy OPTION AND IS IGNORED FOR restype resname

Explanation: The options, xxxxxxx and yyyy yyyy, specified for the resource type restype with name resname are mutually exclusive.

System Action: The utility ignores option xxxxxxx.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

**DFH5155 W** (TDQUEUE) xxxxxxxx HAS SAME NAME AS AN IBM SUPPLIED DEFINITION IN GROUP grpname.

**Explanation:** The name of the migrated table entry, xxxxxxxx, matches the name of an IBM-supplied resource in IBM-protected group grpname, created by the INITIALIZE command.

**System Action:** CICS migrates this entry normally.

**User Response:** If necessary, rename the resource, using the CEDA transaction.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

**DFH5156 W** (TDQUEUE) DID NOT MIGRATE. ITS PROPERTIES MATCH AN IBM-SUPPLIED DEFINITION IN GROUP grpname.

**Explanation:** The properties of the resource defined in the user's table entry are the same as those of the IBM-supplied resource of the same name contained in IBM-protected group grpname.

**System Action:** The entry for the user's resource is not migrated.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

**DFH5159 I** resource object DEFINED IN GROUP grpname

**Explanation:** The CSD utility has successfully added a resource definition to a group, where:

- resource is the type of resource (CONNECTION, FILE, JOURNALMODEL, LSRPOOL, MAPSET, PARTITIONSET, PARTNER, PROFILE, PROGRAM, SESSION, TDQUEUE, TERMINAL, TRANCLASS, TRANSACTION, or TYPETERM).
- object is the name of the object.
- grpname is the name of the group.

**System Action:** Normal utility processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

**DFH5161 S** TABLE table MUST BE LINK-EDITED WITH AMODE(24) RMODE(24).

**Explanation:** After loading the table table, the migration routine checks it has been linkedited with AMODE(24) RMODE(24) for migration purposes.

**System Action:** The MIGRATE command is not processed.

**User Response:** Relink the table with the correct attributes.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

**DFH5164 W** NO DEFINITION OF resource object CREATED. THIS DUPLICATES AN EXISTING DEFINITION IN GROUP grpname

**Explanation:** The CSD utility detected a CSD record with a matching key before adding the definition to the CSD file, where:

- resource is the type of resource.
- object is the name of the object.
- grpname is the name of the group.

**System Action:** The CSD utility does not migrate the resource definition to the CSD file. (If it is a transaction, a generated profile is not created either.)

**User Response:** Use the CEDA transaction to define the resource with a unique name.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

**DFH5165 S** PROCESSING IS TERMINATED. AN ERROR OCCURRED WHILE WRITING resource object TO THE CSD.

**Explanation:** An error occurred when the CSD utility called DFHDMP to write the definition of the object object to the CSD file. The CSD file may be full or corrupted.

**System Action:** If the CSD is full, the CSD utility issues message DFH5176, and then terminates with a return code of 12 in message DFH5109.

If the CSD is not full, the CSD utility terminates abnormally with message DFH5175, usually accompanied by one or more of the explanatory messages, DFH5177, DFH5178, and DFH5179.

**User Response:** Use the additional messages to determine the cause of the error and the appropriate user action required.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

**DFH5166 E** DISALLOWED CHARACTER IN resource NAME object

**Explanation:** The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file because of an invalid character, or the resource name for the migrated table entry may be invalid. resource is the type of resource, and object is the name of the object.

**System Action:** A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

**User Response:** Use the CEDA transaction to define the resource with a valid name.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP
DFH5167 S THE CSECTS IN TABLE table HAVE BEEN LINK-EDITED IN THE WRONG ORDER.

Explanation: While processing a MIGRATE command, the CSD utility has detected that the CSECTs in table table are in the wrong order. Input to the linkage editor omitted a control statement to order the CSECTs.

System Action: The CSD utility does not process the MIGRATE command.

User Response: Use the IBM-supplied procedure, DFHAUPLK, to assemble and link-edit CICS tables. This procedure ensures the correct ordering of CSECTs within the tables.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

---

DFH5168 S TABLE LOADED FROM LIBRARY MEMBER table IS NOT A VALID {FCT | RDT | TCT}.

Explanation: After loading the table table, the migration routine checks the VMNAME field in the DFHVM expansion of the data area following the load point. This message is produced if VMNAME is not that of a valid table.

System Action: The MIGRATE command is not processed.

User Response: 1. Ensure that the correct table is present in the library, and that the TABLE parameter of the MIGRATE command is correct.
2. Ensure that an ORDER statement was processed in the JCL of the link-editing of the table.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

---

DFH5169 S PROCESSING IS TERMINATED. TABLE table WAS ASSEMBLED FOR CICS RELEASE rrr. REASSEMBLE FOR RELEASE sss.

Explanation: After loading the table table, the migration routine checks the VMVERS field in the DFHVM expansion of the data area following the load point. This field indicates the CICS release (rrr) for which the table was assembled, and is invalid for the CICS system (release sss) that is running.

System Action: The MIGRATE command is not processed.

User Response: Reassemble the table for the correct release of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

---

DFH5171 E NO DEFINITION FOR FILE DFHCSD CREATED. THE CSD SHOULD BE DEFINED IN THE SIT.

Explanation: The CSD utility detected an attempt to migrate a definition of the CSD to the CSD.

System Action: The CSD utility creates no definition for DFHCSD. Normal utility processing continues with the utility return code set to 8.

User Response: Remove the definition of the CSD from the FCT. Ensure that your definition of the CSD is added to the SIT.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

---

DFH5172 W NO DEFINITION FOR FILE file CREATED. BDAM FILES ARE NOT SUPPORTED BY RDO.

Explanation: The CSD utility detected an attempt to migrate a definition of a BDAM data set to the CSD. BDAM data sets are not supported by RDO.

System Action: The migration request is ignored. A definition for the named BDAM data set is not created. Normal utility processing continues, but the utility return code will be set to 4.

User Response: BDAM data sets should be defined to CICS using the FCT. Re-assemble your FCT with MIGRATION=COMPLETE on the TYPE=INITIAL macro after all VSAM data sets have been migrated. Use the generated FCT as you would in a non-RDO environment.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

---

DFH5173 SERVREQ=REUSE IS IGNORED IN THE DEFINITION OF FILE filename BECAUSE IT IS NOT SUPPORTED BY RDO.

Explanation: The CSD utility detected an attempt to migrate to the CSD the definition of VSAM file filename with SERVREQ=REUSE specified. RDO does not support files with the SERVREQ=REUSE attribute.

System Action: The SERVREQ=REUSE attribute of the file is ignored, and the file is migrated to the CSD without it. Normal utility processing continues, but the utility return code is set to 4.

User Response: Eliminate use of SERVREQ=REUSE files from your installation.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

---
DFH5174 W PROCESSING IS TERMINATED. COMMAND CANNOT BE EXECUTED BECAUSE 'PARM=CSD(READONLY)' WAS SPECIFIED.

Explanation: This command requires the CSD to be opened for read-write access. Your job step specified read-only access for the CSD in the DFHCSDUP utility job stream.

System Action: This command is not executed.

User Response: Amend the JCL to specify 'PARM=CSD(READWRITE)'.

Note: If the CSD is recoverable, and you are accessing it in RLS mode, you cannot specify READWRITE access. To perform the command, access the CSD in non-RLS mode.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5175 S PROCESSING IS TERMINATED. UNEXPECTED RESPONSE FROM function IN CSD MANAGER.

Explanation: An invocation of the CSD manager, DFHDMP, has resulted in an error. The name of the function that failed is function.

System Action: DFHCSDUP issues additional messages and then
- Terminates normally for CSD open/close errors, and the CSD-full condition, or
- Terminates abnormally for all other situations.

User Response: Ensure that you have set up your CSD file correctly. If you have migrated your CSD file from a previous release, note that you should have increased your block size to 500. If necessary, use the diagnostics in the additional messages.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5176 S PROCESSING IS TERMINATED. CSD IS FULL.

Explanation: The VSAM data set containing the CSD file is full.

System Action: Execution of the CSD utility command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

The DFHCSDUP utility leaves a system lock on the group being created at the time of failure. This lock prevents processing of the group by the CSD utility or the CEDA transaction.

User Response: First, use the DFHCSDUP VERIFY process to remove the system lock on the partly-created group. Normal RDO processing of the group should then be possible, enabling the group (or any unwanted definitions) to be deleted.

To recover the contents of the CSD file, define a larger data set and use the AMS REPRO command. Usually, you will be able to REPRO from the CSD file that became full. If you are unable to do this, use a backup copy. (You may be able to transfer definitions from the CSD file that filled up by using the DFHCSDUP COPY command with the FROMCSD option.)

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5177 S PROCESSING IS TERMINATED. CSD I/O ERROR OCCURRED.

Explanation: An I/O error occurred when executing a READ or WRITE of a CSD record on the primary or secondary CSD file.

System Action: DFHCSDUP issues additional messages and terminates abnormally.

User Response: Restore the CSD file to a new data set from your own backup, or create the new CSD file by using the INITIALIZE, COPY, and APPEND commands to restore existing definitions.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5178 S PROCESSING IS TERMINATED. SEVERE CSD ERROR OCCURRED.

Explanation: An error occurred during execution of the CSD manager, DFHDMP, to access the primary or secondary CSD file.

System Action: DFHCSDUP issues additional messages and terminates abnormally.

User Response: See the VSAM diagnostics given in message DFH5179.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5179 S VSAM ERROR. RETURN CODE = nn ERROR CODE = ddd(yy) CONTROL BLOCK TYPE = (RPL | ACB)

Explanation: VSAM returned the following diagnostics when an error occurred, where:
- nn is the hexadecimal VSAM return code
- yy is the hexadecimal VSAM error code (ddd is its decimal equivalent)
- CONTROL BLOCK TYPE points to the relevant error code subset as follows:
  - RPL = Request macro responses from VSAM
  - ACB = OPEN/CLOSE responses

The error code is:
- For CONTROL BLOCK TYPE = RPL, the reason code from byte 3 of the feedback word field in the RPL (RPLERRCD)
For CONTROL BLOCK TYPE = ACB, the reason code in the ERROR field in the ACB (ACBERFLG)

**System Action:** The CSD utility terminates command processing, and in some situations, produces an operating system dump.

**User Response:** For the meaning of the VSAM return and error codes, refer to the DFSMS/MVS V1R3 Macro Instructions for Data Sets manual.

When interpreting these diagnostics, ensure that the data set referenced in the JCL exists.

Check the following:

- The data set is being concurrently accessed by CICS running in another region.
- You are not attempting to open a recoverable CSD as READWRITE if DFHCSDUP specifies RLS access mode. You must specify PARM=CSD(READONLY) in this case.
- LOG is defined on the base cluster if RLS access mode is specified.

If DFHCSDUP specifies RLS access mode, a 'record not found' error could mean that the CSD has not been initialized.

**Note:** You must use non-RLS access mode to initialize a recoverable CSD.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

---

**DFH5180 S PROCESSING IS TERMINATED. ERROR OCCURRED WHILE CSD WAS BEING READ BY (SETBROWSE | GETNEXT) [SCANSETS | SCANOBJS]**

**Explanation:** When the LIST command invoked DFHDMP to scan the objects on the CSD file, an error occurred during execution of the DFHDMP function.

**System Action:** The CSD utility terminates with an MVS abend 0325.

**User Response:** This error should be reported. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

---

**DFH5181 W NO MATCH FOUND FOR GENERIC (GROUP | LIST) xxxxxxxx**

**Explanation:** The LIST command was executed with a generic group or list name, but no qualifying group or list exists on the CSD file.

**System Action:** Normal processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

---

**DFH5182 W (GROUP | LIST) xxxxxxxx DOES NOT EXIST.**

**Explanation:** The LIST command or the DELETE command was executed using the name of a group or list that does not exist on the primary CSD file.

**System Action:** The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

**User Response:** Correct the LIST command or the DELETE command to use a valid group or list name.

If a CSD upgrade is being performed, no user action is required.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

---

**DFH5183 W (GROUP | LIST) xxxxxxxx EXISTS AS A (GROUP | LIST) NAME.**

**Explanation:** The LIST command or the DELETE command was executed using a group name that is already in use as a list name, or using a list name that is already in use as a group name.

**System Action:** The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

**User Response:** Correct the LIST command or the DELETE command to use a valid group or list name.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

---

**DFH5184 S PROCESSING IS TERMINATED. INVALID OUTPUT FROM DFHPUP. CANNOT FORMAT DATA FOR UTILITY LISTING.**

**Explanation:** There has been an internal logic error in the DFHCSDUP utility program. The data in the back-translated output buffer is invalid. The length code may be out of range or the data fields in the wrong sequence. One or more of the data fields may be invalid.

**System Action:** The CSD utility terminates with an MVS abend 0326.

**User Response:** This error must be reported.

Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the error(s) have occurred because they will refuse to print and are therefore easily identifiable.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP
Explanation: In executing a LIST command, the CSD utility has found a group or list header on the CSD file for which no corresponding group or list elements exist.

System Action: The utility continues to process the LIST command, but will not tabulate elements of the group or list named in the message.

User Response: Run the DFHCSDUP VERIFY utility.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

Explanation: The CSD utility detected a locked resource that is not a group or list. The reason is that an interrupt or failure occurred during a CEDA transaction or a previous utility job. A lock had been created but not the associated group or list.

System Action: The utility continues normal processing of the VERIFY command.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

Explanation: The VERIFY command discovered that the resource was not available for the CEDA transaction or offline commands. The restriction on its availability, which was due to the failure of some previous command affecting it, has now been removed.

System Action: Normal processing of the VERIFY command continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

Explanation: The VERIFY command has been processed successfully, and any internal locks associated with groups and lists on the CSD file have been removed.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP
DFH5193 S COMMAND IS NOT EXECUTED. SERVICE MODULE proname IS UNABLE TO UPGRADE CSD TO TARGET SERVICE LEVEL ttt

Explanation: The LEVEL parameter specified in the SERVICE command is incompatible with the status of the service module proname being applied to the CSD file.

System Action: The SERVICE command is not executed.

User Response: Ensure that the service module proname being applied is correctly updated with the service fix supplied by IBM. (It should have been amended so as to be able to process SERVICE commands at the target level ttt.)

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5194 I UPGRADING SERVICE STATUS OF CSD FROM LEVEL sss TO LEVEL ttt

Explanation: The loaded service module is performing the required upgrade of the CSD file from service level sss to service level ttt.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5195 I EXECUTION OF SERVICE PROGRAM proname COMPLETE.

Explanation: The loaded service program proname has run to completion. Control is being transferred back to the CSD offline utility program, DFHCSDUP.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5196 S COMMAND IS TERMINATED. ERROR OCCURRED WHILE READING CONTROL SECONDARY CSD RECORD.

Explanation: An I/O error has occurred on the specified CSD file.

System Action: The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Retry the command, ensuring that a sufficiently large data set size is specified for the output (primary) CSD file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5197 S COMMAND IS TERMINATED. UNRECOGNIZED CONTROL RECORD ENCOUNTERED WHILE SECONDARY CSD WAS BEING READ.

Explanation: The contents of a control record of the secondary input CSD are invalid.

System Action: The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the OLDCSD parameter in the SERVICE utility command.

If the problem persists, you will need further help from IBM. First, obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where the errors have occurred because they do not print and are therefore easily identifiable. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5198 I CSD RECORD MODIFIED FOR xxxxxxxx

Explanation: The specified modification to a record on the CSD file has taken place.

The insert, xxxxxxxx, is the element type.

System Action: Normal processing continues. If the modified record is an element in a GROUP or LIST, its date-and-time field is updated when copied to the output (primary) CSD file.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP
DFH5199 W INVALID FIELD ENCOUNTERED IN EXISTING RECORD FOR xxxxxxx

Explanation: An unexpected value was found in one of the fields of a CSD record that was to be modified for element xxxxxxx.

System Action: Normal processing continues, and the invalid record is left unchanged on the new (primary) CSD file.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH52xx (DFHCSDUP) messages

DFH5200 S COMMAND NOT EXECUTED. NO VALID LANGUAGE TABLE WAS LOADED.

Explanation: Either the CSD utility found that the RDO language table had not been loaded correctly, or that it contained invalid data.

System Action: The CSD utility terminates, because it cannot process any commands.

User Response: Check that the correct version of the RDO language table (DFHEITCU) is in the program library.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5201 S command COMMAND IS NOT VALID. COMMAND NOT EXECUTED.

Explanation: The CSD utility does not recognize the command.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5202 S INCORRECT SYNTAX FOR command COMMAND. COMMAND NOT EXECUTED.

Explanation: The syntax of the command is incorrect.

System Action: The CSD utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5203 W RIGHT PARENTHESIS ASSUMED AFTER THE VALUE OF xxxxx.

Explanation: The syntax of the command was incorrect. Either a right parenthesis has been omitted or a keyword value in excess of 256 bytes has been specified.

System Action: The CSD utility executes the command as if the right parenthesis was present.

User Response: Confirm that the correction applied by the utility generated the required command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5204 E COMMAND NOT EXECUTED. xxxx KEYWORD IS NOT VALID.

Explanation: The keyword xxxx is not valid on this command.

System Action: The utility command is ignored.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5205 E COMMAND NOT EXECUTED. NO VALUE WAS SPECIFIED FOR xxxx.

Explanation: The option xxxx is incomplete, possibly because a value has been omitted.

System Action: This CSD utility command is ignored.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5206 E COMMAND NOT EXECUTED. DUPLICATE SPECIFICATION OF xxxx.

Explanation: Option xxxx appears twice on a single CSD utility command.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5207 E COMMAND NOT EXECUTED. xxxxxxxx DOES NOT REQUIRE A VALUE.

Explanation: The CSD utility detected an input command coded with a value for option xxxxxxxx when no value was required.

System Action: The utility does not process the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.
DFH5210  E COMMAND NOT EXECUTED. INVALID VALUE WAS SPECIFIED FOR xxxx.
Explanation: The CSD utility detected an input command coded with an invalid value for option xxxx.
System Action: The utility does not process the command.
User Response: Correct the value.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5211  E COMMAND NOT EXECUTED. OPERAND DELIMITER x WAS MISPLACED.
Explanation: The CSD utility has detected an input command coded with a misplaced option delimiter x.
System Action: The utility does not process the command.
User Response: Place the delimiter correctly.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5212  E COMMAND NOT EXECUTED. comptype string IS NOT UNIQUELY IDENTIFIABLE.
Explanation: An ambiguous DFHCSDUP command has been specified.
- comptype is the command component type
- string is the actual component.
System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.
User Response: Correct the command syntax and retry. See accompanying message DFH5213 for further details of the command failure.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5213  E SPECIFIED input COULD BE INTERPRETED AS match1 OR match2.
Explanation: An ambiguous DFHCSDUP command has been specified.
- input is the ambiguous character string
- match1 and match2 are two possible interpretations of input.
System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.
User Response: Correct the command syntax and retry.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5214  W keyword IS AN OBSOLETE KEYWORD. IT IS IGNORED.
Explanation: The CSD utility has detected an input command coded with an obsolete keyword. The keyword specifies an option not valid for this release of CICS, but the command can be used as input to the CSD utility for an earlier release.
System Action: The utility ignores the keyword.
User Response: Confirm that the resulting utility command is correct for this release of CICS.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5215  E COMMAND NOT EXECUTED. A CLOSING PARENTHESIS HAS BEEN OMITTED FROM A NULL VALUE SPECIFIED ON AN ALTER COMMAND.
Explanation: A closing parenthesis was not added when a null value was specified for a keyword on an ALTER command. A closing parenthesis is automatically added for keyword values other than nulls.
System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.
User Response: Correct the command syntax and retry.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5216  E restype resname IS NOT IN GROUP group.
Explanation: A nonexistent resource of type restype and name resname, has been specified on an ALTER command.
System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.
User Response: Correct the command syntax and retry.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP
DFH5217 E COMMAND NOT EXECUTED. A CLOSING BRACKET HAS BEEN OMITTED FROM A xxxxxx KEYWORD.

Explanation: A closing bracket has been omitted from the xxx keyword on a DFHCSDUP DEFINE command.
System Action: The DEFINE command is not executed.
User Response: Correct the DEFINE command syntax and retry.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5218 I ALTERING Resourcetype Resourcename IN GROUP Groupname

Explanation: During the execution of a generic ALTER command, the CSD batch update utility scans the CSD file for matches to the specified generic resource name and/or GROUP keyword. For every match, the utility processes the request and informs the user of the resulting resourcename and/or groupname respectively.
System Action: Normal processing continues.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5219 W NO MATCH FOUND ON CSD FILE FOR Resourcetype Resourcename GROUP Groupname

Explanation: The ALTER command was executed with a generic resource and/or group name, but no qualifying resource and/or group exist on the CSD file.
System Action: Normal processing continues.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5220 E COMMAND NOT EXECUTED. xxxxxxx MUST BE THE FIRST COMMAND.

Explanation: The CSD utility found an INITIALIZE command after other commands.
System Action: The CSD utility ignores the command.
User Response: Confirm that the INITIALIZE command was misplaced.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5222 E COMMAND NOT EXECUTED. xxxxxxx KEYWORD WAS OMITTED OR SPECIFIED INCORRECTLY.

Explanation: A required keyword xxxxxxxxx was omitted from a CSD utility command.
System Action: The utility ignores the command.
User Response: Specify keyword xxxxxxxxx.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5223 E COMMAND NOT EXECUTED. xxxxxxxx KEYWORD CONFLICTS WITH xxxxxxx KEYWORD.

Explanation: The syntax of the command is incorrect. Conflicting keywords have been specified.
System Action: The utility command is ignored.
User Response: Correct the command.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5224 E COMMAND NOT EXECUTED. VALUE OF xxxxxxxx IS OUT OF VALID RANGE.

Explanation: The CSD utility detected an input command coded with a numeric value for value xxxxxxxxx which was outside the valid range.
System Action: The utility does not process the command.
User Response: Correct the value.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5225 E COMMAND NOT EXECUTED. SAME NAME SPECIFIED FOR 'TO' AND xxxxxxx.

Explanation: This message is issued for one of the following reasons:
1. The utility COPY command has been coded with the same group name for the source and target group.
2. The APPEND command has been coded with the same list name for the source and target list.
3. The ADD command has been coded with the same group name and list name.
System Action: The CSD utility or CICS ignores the command.
User Response: Correct the name (or names) in error.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP
DFH5227  E COMMAND NOT EXECUTED. USE OF GENERIC NAME CONFLICTS WITH xxxxxxxx OPTION.
Explanation:  A CSD utility command used a generic name; that is, one containing asterisk (*) or plus sign (+) characters, in conjunction with an option that conflicted with the use of generic names.
System Action:  The utility ignores the command.
User Response:  Correct the command.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHCSDUP

DFH5228  E COMMAND NOT EXECUTED. ONLY ONE RESOURCE-TYPE KEYWORD CAN BE SPECIFIED.
Explanation:  The CSD utility detected an input command coded with more than one resource-type keyword.
System Action:  The utility does not process the command.
User Response:  Correct the command to refer to only one resource-type keyword.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHCSDUP

DFH5229  E COMMAND NOT EXECUTED. xxxxxxxx IS INVALID BECAUSE A RESOURCE-TYPE KEYWORD WAS SPECIFIED.
Explanation:  The CSD utility detected an input command coded with a resource-type keyword (for example, PROGRAM, TRANSACTION) in a situation where a resource-type keyword is invalid.
System Action:  The utility does not process the command.
User Response:  Correct the command and resubmit.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHCSDUP

DFH5230  I ERASE COMMAND IS OBSOLETE. USE THE DELETE COMMAND.
Explanation:  The CSD utility detected the obsolete ERASE command in its input.
System Action:  The utility processes the command as a DELETE command.
User Response:  In future, use the DELETE command instead of the ERASE command.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHCSDUP

DFH5231  E COMMAND NOT EXECUTED. xxxxxxxx IS INCOMPATIBLE WITH THE MIGRATE COMMAND FOR table-type TABLES.
Explanation:  An attempt has been made to execute the MIGRATE command with an invalid table type and (or) an invalid keyword specified.
System Action:  The CSD utility terminates.
User Response:  Correct the command syntax and resubmit the job.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHCSDUP

DFH5232  E COMMAND NOT EXECUTED. xxxxxxxx PARAMETER MUST NOT BEGIN WITH 'DFH'.
Explanation:  In a CSD utility MIGRATE command, the xxxxxxxx parameter contained an invalid table name or group name.
System Action:  The utility does not process the command.
User Response:  Resubmit with a valid table name or group name.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHCSDUP

DFH5233  E COMMAND NOT EXECUTED. xxx TABLE TYPE IS NOT SUPPORTED BY RDO.
Explanation:  The CSD utility detected a TABLE parameter that referred to a CICS table type not supported by RDO.
RDO supports:
  • Program, transaction, and terminal definitions (RDT)
  • Files (FCT)
  • Transient data queues (DCT).
System Action:  The utility does not process the command.
User Response:  Correct the command.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHCSDUP

DFH5234  E COMMAND NOT EXECUTED. command IS NOT SUPPORTED.
Explanation:  The CSD utility detected a command command in its input which is not supported by RDO.
System Action:  The utility does not process the command.
User Response:  Correct the command
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHCSDUP
DFH5235 E COMMAND NOT EXECUTED. GROUP OR LIST MUST BE SPECIFIED.

Explanation: A CSD utility EXTRACT command has been submitted. A GROUP or LIST name must be specified with an EXTRACT command.

System Action: The utility command is not executed. This message is followed by DFH5104.

User Response: Correct the invalid command by adding a valid GROUP or LIST name and rerun the utility job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5236 I A USER EXIT PROGRAM HAS BEEN SPECIFIED ON THE ENTRY LINKAGE AND ON THE USERPROGRAM KEYWORD. THE PROGRAM SPECIFIED ON THE ENTRY LINKAGE HAS BEEN IGNORED.

Explanation: An EXTRACT user-exit program has been specified via the entry parameter list and on the USERPROGRAM keyword of the EXTRACT command.

System Action: The program specified on the USERPROGRAM keyword is used.

User Response: Ensure that the user program used is the one intended.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5240 S PROCESSING TERMINATED. ERROR OCCURRED WHILE INPUT UTILITY COMMAND WAS BEING READ.

Explanation: The environment adaptor GETCARD utility cannot read an input utility command.

System Action: The CSD utility terminates abnormally without processing the input commands.

User Response: Check that the utility commands are prepared correctly and located correctly in the JCL. Check also that the DD statement defining the output data set startup job stream is correct. For JCL examples, refer to the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5241 S PROCESSING TERMINATED. INVALID RECORD LENGTH ON INPUT UTILITY COMMAND DATA STREAM.

Explanation: The CSD utility detected incorrectly formatted input in the SYSIN data stream.

System Action: The CSD utility cannot process any commands. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: Ensure that the output data set data stream is formatted with fixed length 80-byte records.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5242 E COMMAND NOT PROCESSED. TOO MANY CONTINUATION RECORDS FOR INPUT UTILITY COMMAND.

Explanation: The CSD utility detected an input command that was too long and extended over too many records.

System Action: The utility does not process the command.

User Response: This message may be caused by an error in the rejected command or in the preceding or subsequent commands in the input stream. Correct the commands in error.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5251 I resource object IN GROUP grpname IS REPLACED.

Explanation: A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the definition in the target group with that from the source group.

• resource is the type of the resource
• object is the name of the object
• grpname is the name of the group.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5252 I resource object COPIED TO GROUP grpname.

Explanation: The CSD utility has correctly copied a resource definition to the specified group, where:

• resource is the type of resource
• object is the name of the object
• grpname is the name of the group.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP
DFH5253 E GROUP grpname NOT FOUND IN CSD FILE - DDNAME: ddbname

Explanation: The CSD utility has detected a COPY command that attempted to copy definitions from the non-existent group, grpname, in the CSD specified in DDNAME ddbname.

System Action: The utility does not process the command.

User Response: Either correct the group name in the command, or make sure that the specified CSD file is the correct one.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5254 E resource object ALREADY EXISTS IN THE TARGET GROUP.

Explanation: The CSD utility detected a command that attempted to add a definition to a group that already contained a definition of an object with the same name, where:
- resource is the type of resource
- object is the name of the object.

System Action: The CSD utility does not process the command.

User Response: Change the name in the command, or alter the name of the existing definition.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5255 E LIST xxxxxxx NOT FOUND IN CSD FILE - DDNAME: ddbname

Explanation: The CSD utility detected an APPEND or REMOVE command that referred to a nonexistent list in the CSD file specified in DDNAME ddbname.

System Action: The utility does not process the command.

User Response: Either correct the list name in the command, or make sure that the specified CSD file is the correct one.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5256 E NO RESOURCES DEFINED IN GROUP grpname.

Explanation: In executing a LIST command, the CSD utility has found a group header on the CSD file for which no group elements exist.

System Action: The CSD utility continues to process the LIST command, but will not list elements of the named group.

User Response: Run the DFHCSUDP VERIFY utility to verify the group.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5257 E LENGTH OF 'TO' PREFIX MUST BE LESS THAN OR EQUAL TO LENGTH OF 'GROUP' PREFIX.

Explanation: During the execution of a generic COPY command, the batch update utility found the length of the prefix of the generic group specified in the TO keyword to be greater than the length of the prefix of the generic GROUP keyword.

System Action: The utility ignores the command to prevent truncation of the TO group name.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5258 I COPYING GROUP grpname1 TO grpname2

Explanation: During the execution of a generic COPY command, the CSD batch update utility scans the CSD file for matches to the generic GROUP keyword. For every match, the utility resolves the generic TO keyword, and informs the user of the resulting grpname1 and grpname2 respectively.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5259 I UNRECOGNIZED RESOURCE TYPE FOUND IN THE CSD FILE AND HAS BEEN IGNORED.

Explanation: CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System Action: The resource is ignored and the operation continues.

User Response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
DFH5261 W RDT IS EMPTY. NO VTAM RESOURCES IN ASSEMBLED TABLE.

Explanation: The CSD utility detected an attempt to migrate a TCT that either contains no RDO-supported terminal or sessions definitions, or whose TYPE=INITIAL entry specifies MIGRATE=COMPLETE.

System Action: The utility does not create any CSD definitions.

User Response: Check the TCT source code to see if it contains any RDO-supported definitions. If it does, check that it has been correctly assembled (MIGRATE=YES specified) and link-edited.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5262 S INSUFFICIENT STORAGE TO BUILD TYPE-MATCHING CHAIN.

Explanation: During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of lack of storage for TYPETERM definitions.

System Action: The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

In any of the above cases, definitions that have already been migrated will remain on the CSD.

User Response:
1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Allocate a larger region size in the utility JCL, and retry the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5263 S ERROR IN INPUT RDT. INCORRECT SEQUENCE OF COMMANDS.

Explanation: During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of abnormal data in the assembled table.

System Action: The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

Definitions that have already been migrated will remain on the CSD. The MVS user abend code is 0308.

User Response:
1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Keep the assembly listing for the failing table and keep the DFHCSDUP dump, if available. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5264 W RESOURCE object NOT DEFINED. GROUP grpname NOT AVAILABLE.

Explanation: During the migration of a TCT, the CSD utility could not define a resource object because the target group grpname was not available. The utility has issued a previous message indicating the reason.

System Action: The utility creates no definition for resource object. Normal utility processing continues.

User Response: Review the original message. If necessary, recode the TYPE=GROUP macro in the TCT source to name a suitable group.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5265 W ACTION REQUIRED TO FIND A SUITABLE TYPETERM FOR TERMINAL termid.

Explanation: While migrating a TCT, the CSD utility found a terminal definition for which it could not create a corresponding TYPETERM definition.

System Action: The utility adds the terminal definition to the CSD file, but it refers to a TYPETERM that may be unsuitable for this device.

User Response: Use the CEDA transaction to define a suitable TYPETERM and alter the TERMINAL definition to refer to the new TYPETERM.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5266 W SESSIONS sessions NOT DEFINED BECAUSE OF ERROR IN ASSOCIATED CONNECTION.

Explanation: An error has been detected during the migration of a TCT. When migrating a session, DFHCSDUP checks that the associated CONNECTION has been defined successfully. If it has not, DFHCSDUP abnormally terminates the session definition.

System Action: The specified SESSIONS resource is not migrated to the CSD. DFHCSDUP continues with the migration of subsequent TCT entries.

User Response: Use the diagnostic information in the output listing from the MIGRATE utility to determine why the CONNECTION definition has failed. You can then use RDO to DEFINE the CONNECTION and the SESSIONS to the CSD.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP
DFH5267 E resource object NOT MIGRATED. TARGET GROUP grpname IS LOCKED TO APPLID applid OPID opid AND CANNOT BE UPDATED AT PRESENT.

Explanation: It is not possible to put the resource resource into group groupname, because the group is currently locked to APPLID applid and OPID opid. The group will be unlocked again when the other user’s operation is complete.

System Action: The utility does not create definitions for the resources named in the DFH5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Resubmit the job later, or choose a different name for the target group. If the group remains locked, consult with the user identified by APPLID and OPID. If the lock remains set for no apparent reason, issue the VERIFY command and resubmit.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5268 E resource object NOT MIGRATED. grpname ALREADY EXISTS AS A LIST.

Explanation: The name chosen for the target GROUP duplicates that of an existing LIST on the CSD.

System Action: The utility does not create definitions for the resources named in the DFH5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Choose a different name for the target group and change the appropriate TYPE=GROUP macro in the FCT source.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5269 E resource object NOT MIGRATED. GROUP grpname IS IBM PROTECTED.

Explanation: An attempt was made to add a definition to an IBM supplied group (groups beginning with “DFH”).

System Action: The utility creates no definition for the resources named in the DFH5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Change the input source to name a different target group whose name does not begin with “DFH”.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5270 I (GROUP / LIST) xxxxxxxx DELETED FROM THE CSD.

Explanation: The CSD utility has successfully deleted a group or list from the primary CSD file.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5271 S UNABLE TO DELETE (GROUP / LIST) xxxxxxxx FROM THE CSD.

Explanation: During CSD utility processing, an error in accessing the CSD file caused a delete operation to fail.

System Action: The utility does not process the DELETE command. The group or list to be deleted remains on the CSD file.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5272 I resource object DELETED FROM GROUP.

Explanation: The CSD utility successfully deleted the named resource, where:
- resource is the type of resource
- object is the name of the object

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5273 W resource object IS NOT IS GROUP grpname.

Explanation: The CSD utility detected an attempt to delete a resource which did not exist in the named group, where:
- resource is the type of resource
- object is the name of the object
- grpname is the name of the group.

System Action: The utility does not process the DELETE command.

User Response: Check that you have coded the group and resource names correctly.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5274 W resource object NOT MIGRATED. GROUP grpname IS NOT AVAILABLE.

Explanation: During the migration of an FCT, the CSD utility could not define the resource resource because the target group groupname was not available. The utility has issued a previous message indicating the reason why.

System Action: The utility creates no definition for the resource named object. Normal utility processing continues.

User Response: Review the original message. If necessary recode the TYPE=GROUP macro in the FCT source to name a suitable group.

Note: This message cannot be changed with the message editing utility.
DFH5275 S COMMAND NOT EXECUTED. GROUP grpname IS NOT THE MEMBER OF LIST listname.

Explanation: The REMOVE command is being executed names a GROUP that is not a member of LIST listname.

System Action: The command is not executed.

User Response: Correct the command and resubmit a DFHCSDUP job to execute the failing command and any subsequent commands that were suppressed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5276 I GROUP grpname REMOVED FROM LIST listname.

Explanation: The REMOVE command has successfully removed group grpname from LIST listname.

System Action: Normal execution continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5277 I LIST list DELETED FROM CSD.

Explanation: The final group has been removed from list listname. The list has therefore been deleted.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5280 I PROCESSING DEFINITIONS FROM LIBRARY MEMBER xxxxxxxx.

Explanation: The CSD utility has successfully loaded data from the named library member.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5281 S DATA LOADED FROM LIBRARY MEMBER xxxxxxx IS INVALID.

Explanation: The CSD utility has found an error in data loaded from the named library member.

System Action: The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: Obtain a dump containing the failing library member.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5282 E UNABLE TO GET STORAGE FOR LIBRARY MEMBER xxxxxxxx.

Explanation: There is insufficient storage available to load the library member xxxxxxxx.

System Action: The utility terminates processing of the command that required access to the named library member.

User Response: Allocate a larger region size in the utility JCL and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5283 S RDL SUBCOMMAND EXCEEDS 1024 BYTES: xxxxxxx.

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System Action: The utility terminates abnormally.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5284 E ERROR ANALYZING RDL SUBCOMMAND: xxxxxxxx.

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System Action: The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.
Chapter 1. DFH messages

DFH5285 E UNABLE TO CREATE RESOURCE DEFINITION ON
DFH5285 E INVALID VERB IN RDL SUBCOMMAND: xxxxxxxx.

Explanation: The CSD utility found an internal error in the data
loaded while processing the indicated (truncated) UPGRADE,
INITIALIZE, or MIGRATE command.

System Action: The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: You need further assistance from IBM to resolve
this problem. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing
utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5286 E UNABLE TO CREATE RESOURCE DEFINITION ON
CSD FILE, RDL SUBCOMMAND: xxxxxxxx.

Explanation: This message is issued during the processing of the
indicated (truncated) command for one of the following reasons:
1. The CSD is full (in which case, messages DFH5175 and
   DFH5176 accompanies this one)
2. The CSD was defined as read-only (in which case, message
   DFH5174 accompanies this message)
3. The TCT being migrated contained a terminal entry with a
   name unacceptable to RDO (in which case, message
   DFH5165 accompanies this message)
4. A list or group cannot be used due to the failure of a previous
   update operation (in which case, message DFH5142
   accompanies this message)
5. The resource definition list being used to INITIALIZE or
   UPGRADE the CSD file contained a definition with an invalid
   resource name or group name
6. A logic error occurred in DFHCSDUP or an internal error was
   detected in the data contained in the loaded table.

System Action: The system action depends on the reason the
message is issued, as follows.
1. Migration of the TCT table is terminated immediately.
2. Processing of the UPGRADE or INITIALIZE command is
terminated
3. The utility attempts to:
   a. Close any files previously opened internally.
   b. Unload any extract exit routines that were dynamically
      loaded.
   c. Invoke the termination exit routine (if supplied).
   d. Return control to the invoker of the utility.
4. The command is not executed, and execution of further
   DFHCSDUP commands in the job stream is suppressed.
5. As in (3) above.
6. As in (3) above.

In ALL cases, all the definitions created by this command up to the
point of failure remain on the CSD.

User Response: The user response depends on the reason the
message is issued, as follows.
1. See message DFH5175 and DFH5176.
2. See message DFH5174.
3. Change the name of the terminal and all references to it. Also
   refer to the user response for message DFH5165.
4. See message DFH5142.
5. This is a CICS logic error. See instruction for 6 below.
6. This is a CICS logic error. You need further assistance from
   IBM to resolve this problem. See Part 4 of the CICS Problem
   Determination Guide for guidance on how to proceed. A CICS
   background trace of the failure may aid them in problem
   diagnosis.

Note: This message cannot be changed with the message editing
utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5287 EXTRACT TERMINATED AT USER’S REQUEST
RC=retcode.

Explanation: A batch job has issued a CSD utility EXTRACT
command. The EXTRACT command has been terminated because
of a non-zero value in register 15 on return from a user exit
program. Subsequent messages will indicate any further problems
encountered by the utility.

System Action: Execution of the utility command is terminated.
This message is followed by DFH5104.

User Response: Determine the cause of the error detected by the
user exit program using the return code retcode and the
relevant documentation of the user exit program.

Note: This message cannot be changed with the message editing
utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5290 W TABLE tabtype macro mactype=value IS NOT
SUPPORTED. VALUE IS CHANGED TO newvalue.

Explanation: During a table tabtype migration for macro mactype,
value is not supported. value has been migrated as newvalue

System Action: The utility creates the definition for the resource
with the changed value. Normal utility processing continues.

User Response: Review the object definition to ensure that the
modified definition is acceptable.

Note: This message cannot be changed with the message editing
utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5291 E UNABLE TO DEFINE OBJECT object IN GROUP
   group. MIGRATION IS TERMINATED.

Explanation: The DFHCSDUP migration utility could not define
object in the group specified. The migration cannot continue.

System Action: The utility terminates the migration of the table.

User Response: Verify that the specified group is the correct
group and review prior errors to determine why the migration utility
could not create the definition in the group.

Note: This message cannot be changed with the message editing
utility.
**DFH5292 W**

**Explanation:** The DFHCSDUP migration utility could not define object for the table item name. The migration continues.

During the migration of an RCT, the migration utility issues this message for all DB2TRAN definitions that refer to a DB2ENTRY definition that failed.

**System Action:** The utility continues the table migration without defining the object.

**User Response:** Correct the prior errors and manually define the skipped objects.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

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**DFH55xx (DFHCSDUP) messages**

**DFH5501 E**

**Explanation:** A keyword keyword, which is required in the command, has been omitted or was incorrectly specified. An earlier message identifies if the latter case is applicable.

**System Action:** The utility ignores the command.

**User Response:** Correct the command.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

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**DFH5502 W xxxxxx IMPLIES yyyyyyy**

**Explanation:** The value xxxxxxx specified in a DEFINE command has caused another value yyyyyyyy, which is not a normal default, to be assumed.

**System Action:** Normal utility processing continues.

**User Response:** Check that the resulting resource definition is acceptable. If you accept this default, no further action is required. If the resultant default is not acceptable, you must decide whether to modify the definition, or to delete it and start again.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

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**DFH5503 E**

**Explanation:** Two options, xxxxxxx and yyyyyyy, that are mutually exclusive have been specified.

**System Action:** The utility ignores the command.

**User Response:** Correct the command.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCSDUP

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**DFH5504 E**

**Explanation:** Option xxxxxxx requires another value, yyyyyyy.

**System Action:** The utility ignores the command.

**User Response:** Specify yyyyyyy.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT
DFH5505 W PROGRAM DFHMSP REQUIRES A TWASIZE OF AT LEAST 512

Explanation: A DEFINE PROGRAM command for the message switching program, DFHMSP, has given it a TWASIZE of less than 512 bytes. If it is to be a definition for the CICS-supplied program of that name then it will not execute correctly.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5509 E COMMAND NOT EXECUTED. xxxxxxx NAME MUST NOT BE THE SAME AS yyyyyyy NAME

Explanation: Some values in DEFINE commands must not be the same as the name of the resource. xxxxxxx must not have the same name as yyyyyyy.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5510 W xxxxxxx NAMES BEGINNING WITH yyyyyyy ARE RESERVED AND MAY BE REDEFINED BY CICS

Explanation: CICS supplies standard programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5511 W xxxxxxx NAME yyyyyyy IS RESERVED AND MAY BE REDEFINED BY CICS

Explanation: CICS supplies standard programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5512 W PROGRAM NAME BEGINS WITH 'DFH' BUT TRANSACTION NAME DOES NOT BEGIN WITH 'C'

Explanation: CICS supplies standard programs and transactions whose naming conventions you should avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP
DFH5513 E COMMAND NOT EXECUTED. THE SECOND VALUE OF xxxxxx MUST NOT BE GREATER THAN THE FIRST.

Explanation: Some keywords take pairs of values which are essentially maximum and minimum values.
System Action: The utility ignores the command.
User Response: Correct the command.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5514 E COMMAND NOT EXECUTED. WITH SESSNAME THERE CAN ONLY BE ONE COUNT AND ITS VALUE MUST BE 1.

Explanation: The use of SESSNAME in a DEFINE SESSIONS command means that a single-session, either for sending or receiving, is required.
System Action: The utility ignores the command.
User Response: Correct the command.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5515 W AUTOPAGE(NO) HAS BEEN SPECIFIED FOR A 3270 PRINT DEVICE

Explanation: A DEFINE TYPETERM command has AUTOPAGE(NO) and DEVICE(3270P) or DEVICE(LUTYPE3).
System Action: Normal utility processing continues.
User Response: Check that the resulting resource definition is as you expect.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5516 W THE VALUES OF DEVICE AND SESSIONTYPE ARE EQUIVALENT TO DEVICE(devtype) AND HAVE BEEN REPLACED

Explanation: A DEFINE TYPETERM command has a valid but obsolete DEVICE and SESSIONTYPE combination. This DEVICE and SESSIONTYPE combination has been replaced by a simpler equivalent indicated by devtype.
System Action: Normal utility processing continues.
User Response: Check that the resulting resource definition is as you expect. The CICS Resource Definition Guide provides further information about device equivalents.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5517 E COMMAND NOT EXECUTED. xxxxxx PFX AND COUNT TOGETHER MAKE MORE THAN 4 CHARACTERS.

Explanation: In a SESSIONS definition the RECEIVEPFX and SENDPFX values are used as prefixes for the names of as many sessions as are specified in the respective counts. These names cannot be more than 4 characters long.
System Action: The utility ignores the command.
User Response: Correct the command.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5518 W XTRANIDS xxxxxx ARE RESERVED AND MAY BE REDEFINED BY CICS

Explanation: CICS supplies programs and transactions whose names you should usually avoid.
System Action: Normal utility processing continues.
User Response: Check that the resulting resource definition is as you expect.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5519 E COMMAND NOT EXECUTED. xxxxxx VALUE CONTAINS AN INVALID y.

Explanation: All character values in DFHCSDUP commands are subject to rules which, depending on the value, disallow certain characters.
System Action: The utility ignores the command.
User Response: Correct the command.
The CICS Resource Definition Guide provides further information about these rules under the individual attributes for the syntax of the DFHCSDUP command.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5520 W THE VALUE OF DEVICE IS EQUIVALENT TO xxxxxx AND HAS BEEN REPLACED

Explanation: A DEFINE TYPETERM command has a valid but obsolete DEVICE value which has been replaced by a simpler equivalent.
System Action: Normal utility processing continues.
User Response: Check that the resulting resource definition is as you expect.
The CICS Resource Definition Guide provides further information about these simpler equivalent devices.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCSDUP
DFH5521 E COMMAND NOT EXECUTED. xxxxxxx VALUE
yyyyyyyyy IS INVALID.
Explanation: A value yyyyyyyyy has been specified for keyword
xxxxxxx which is not valid. It may for instance be non-numeric.
System Action: The utility ignores the command.
User Response: Correct the command.
Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5522 E COMMAND NOT EXECUTED. LENGTH OF xxxxxxx
VALUE IS MORE THAN ALLOWED.
Explanation: All character values in DEFINE commands are of
limited length.
System Action: The utility ignores the command.
User Response: Correct the command.
Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5523 E COMMAND NOT EXECUTED. FILE DFHCSD MUST
BE DEFINED IN THE SIT AND NOT THE CSD.
Explanation: DFHCSD has been defined in the CSD rather than
in the SIT. This is not allowed.
System Action: The utility ignores the command.
User Response: Correct the command. Define DFHCSD in the
SIT.
Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5524 W BMS ROUTE FOR CONSOLE MAY CAUSE
UNPREDICTABLE RESULTS IF MAPS OR
TEXT(ACCUM) USED ON DEVICE.
Explanation: The routing of multiline maps or accumulated text to
the console is not supported.
System Action: Normal processing continues.
User Response: Ensure that the unsupported console operations
are disabled.
Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5525 W xxxxxxx VALUE IS NOT VALID, yyyyyyyy HAS
BEEN ASSUMED
Explanation: The value xxxxxxx is not valid. The value
yyyyyyyyy has been assumed.
System Action: The utility ignores the command.
User Response: Correct the command.
Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5526 E xxxxxxx MUST HAVE ROWS AND COLUMNS
SPECIFIED
Explanation: xxxxxxx must have rows and columns specified.
System Action: The utility ignores the command.
User Response: Correct the command.
Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5527 E REMOTE OPTIONS ARE IGNORED FOR
PROGRAMS STARTING WITH DFH.
Explanation: CICS supplies standard programs which are not
allowed to have remote attributes.
System Action: The command is ignored.
User Response: Correct the command by deleting the remote
attributes from the program definition.
Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5528 E COMMAND NOT EXECUTED. VALUE OF keyword
IS OUT OF VALID RANGE.
Explanation: An invalid value has been supplied for the specified
keyword.
System Action: The utility ignores the command.
User Response: Supply a valid keyword value and retry.
Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHCSDUP

DFH5529 E keyword OR keyword MUST BE SPECIFIED.
Explanation: Neither of the indicated keywords has been
specified. When defining a resource, you must specify one of
these keywords.
System Action: The utility ignores the command.
User Response: Supply one of the indicated keywords and retry.
Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHCSDUP
DFH5530 W XTRANIDS ENDING WITH string ARE RESERVED AND MAY BE REDEFINED BY CICS.

Explanation: CICS supplies programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5531 W XTRANIDS BEGINNING WITH string ARE RESERVED AND MAY BE REDEFINED BY CICS.

Explanation: CICS supplies programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5532 E COMMAND NOT EXECUTED. AN INVALID COMBINATION OF ROWS AND COLUMNS HAS BEEN SPECIFIED FOR ALTSCREEN.

Explanation: One of the specified values is zero and the other is non-zero. This is an invalid combination.

System Action: The utility ignores the command.

User Response: Ensure that a valid combination of ALTSCREEN rows and columns is specified. See the CICS Resource Definition Guide for details of valid combinations.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5533 W SPECIFIED keyword1 VALUE IS LESS THAN keyword2 VALUE. THE DEFAULT VALUE HAS BEEN ASSUMED.

Explanation: A value has been specified for keyword1 that is incompatible with the value for keyword2.

System Action: DFHCSDUP assumes the default value for keyword1 and processes the command.

User Response: Ensure that the resulting resource definition is acceptable.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5534 W WHEN YOU CHANGE THE VALUE OF DEVICE MANY OTHER VALUES MAY BE CHANGED FOR YOU.

Explanation: When ALTERing the DEVICE in a TYPETERM resource definition, the batch update utility changes forced values that are incompatible with the new DEVICE. However, dependent default values are not changed, and may now be incompatible.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect. See the CICS Resource Definition Guide for more guidance.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5535 E COMMAND NOT EXECUTED. restype NAME resname IS RESERVED BY CICS.

Explanation: The user specified a resource name resname for resource type restype which is reserved for use by CICS.

System Action: The utility ignores the command.

User Response: Specify a different resource name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5536 W keyword1 AND keyword2 ATTRIBUTES ARE INCONSISTENT IF DEFINITION IS BEING SHARED WITH A BACK LEVEL RELEASE.

Explanation: keyword1 has been preceded by keyword2. However, keyword1 has been kept for compatibility reasons. After updating the definition, the value specified for keyword1 has become inconsistent with the value specified for keyword2.

System Action: The definition is created or updated.

User Response: If sharing the CSD file with a back level release, ensure that the resulting resource definition is acceptable. Otherwise, ignore the message.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSUDP

DFH5537 W PREFIX ALLOWED TO DEFAULT. USE OF DEFAULTS IS RECOMMENDED FOR MRO SESSIONS ONLY.

Explanation: A null value has been accepted for a send or receive prefix for an LU6.1 or MRO session. The default value ‘>’ is supplied by CICS for send sessions and ‘<’ for receive sessions. These values are the default prefixes for MRO session names. The use of these prefixes is allowed for LU6.1 sessions, but is not recommended if MRO session names with the same prefixes are in use because duplicate names may occur if large numbers of sessions are defined.

System Action: CICS will generate session names using these prefixes.
DFH5538 W resource NAMES STARTING WITH x MAY CONFLICT WITH SYSTEM SESSIONS NAMES.

Explanation: The resource resource has been given a name starting with the character x which might be used for system generated SESSIONS names.

System Action: The definition is created or updated.

User Response: Ensure there is no conflict with the name given to the resource and SESSIONS names.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5539 S keyword IS NOT VALID BECAUSE IT STARTS WITH THE RESERVED CHARACTER OR STRING string.

Explanation: The name you have given to keyword keyword is not valid because the name begins with a reserved character or string such as "c" or "dfh".

System Action: The definition is not created.

User Response: Change the name of the keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5540 W xxxxxxx VALUE IS GREATER THAN yyyyyyy VALUE. THE LOWER VALUE TAKES PRECEDENCE.

Explanation: A value has been specified that is not consistent with another. The value xxxxxxx is greater than value yyyyyyy. Value yyyyyyy takes precedence and overrides the higher value.

System Action: The definition is created or updated with the two values as specified.

User Response: Ensure that the two values are defined as you expect. You may decide to leave the values as specified and dynamically change the values online once the resource has been installed in the CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5541 E PROGRAM OR REMOTESYSTEM MUST BE SPECIFIED.

Explanation: None of the indicated keywords has been specified. When defining a transaction, you must specify one of these keywords.

System Action: The utility ignores the command.

User Response: Supply one of the indicated keywords and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5545 W PROGRAM SHOULD BE SPECIFIED WITH BREXIT.

Explanation: If the BREXIT option is specified, the PROGRAM option should also be specified. For compatibility with the Bridge transaction definitions in CTS 1.2, this is not mandatory, but if PROGRAM is not specified the transaction definition will not work.

System Action: The transaction definition is accepted.

User Response: Correct the command when migration from CTS 1.2 has been made.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCAP

DFH56xx (DFHCSDUP) messages

DFH5600 E UNABLE TO GET STORAGE FOR MODULE DFHCICS. PRIMARY CSD HAS NOT BEEN INITIALIZED.

Explanation: There is insufficient storage to load module DFHCICS.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Ensure that there is sufficient storage to load the DFHCICS module.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5601 E UNABLE TO LOAD THE (FCT | RDT | LD) TABLE NAMED table.

Explanation: Table table cannot be loaded.

System Action: The system action depends on the type of table. LD

DFHCSDUP cannot process the command. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.
FCT or RDT
The CSD utility cannot load the table, and terminates the processing of the utility command.

User Response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5602 E UNABLE TO UNLOAD THE (FCT | RDT | LD) TABLE NAMED table.

Explanation: Table table cannot be unloaded.

System Action: The system action depends on the type of table.

LD
DFHCSDUP cannot process the command. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

FCT or RDT
The CSD utility cannot unload the table, and terminates the processing of the utility command.

User Response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5603 E UNABLE TO LOCATE THE (FCT | RDT | LD | DCT) TABLE NAMED table.

Explanation: Table table cannot be located.

System Action: The system action depends on the type of table specified.

LD
DFHCSDUP cannot process the command. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

FCT, RDT or DCT
The CSD utility cannot locate the table, and terminates the processing of the utility command.

User Response: Determine the reason for the failure.

If your FCT, TCT or DCT assembly and link-editing is successful, the FCT, RDT or DCT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5604 E UNABLE TO OBTAIN STORAGE FOR THE CROSS-REFERENCE TABLE NAMED table.

Explanation: DFHCSDUP was unable to obtain storage for table table.

System Action: DFHCSDUP cannot process the command.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.) If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Increase the region size and retry the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5605 E DISALLOWED CHARACTER IN GROUP OR LIST NAME object.

Explanation: The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file. This is because the group or list name contains an invalid character.

System Action: A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

User Response: Use the CEDA transaction to define the resource with a valid name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5606 S COMMAND IS NOT EXECUTED. UNABLE TO LOAD THE SERVICE MODULE proiname.

Explanation: The service module, proiname, cannot be loaded due to insufficient storage.

System Action: Utility command execution is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Retry the utility command with an increased region size.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP
DFH5607 S COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE READING THE FIRST SECONDARY CSD RECORD.

Explanation: An I/O error has occurred on the secondary CSD file.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5608 S COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE READING A SECONDARY CSD RECORD.

Explanation: An I/O error has occurred on the secondary CSD file.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where errors have occurred because they will not print and are therefore easily identifiable.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5609 S COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE WRITING A PRIMARY CSD RECORD.

Explanation: An I/O error has occurred on the primary CSD file.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Retry the command, ensuring that a sufficiently large data set is specified for the output (primary) CSD file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5611 E COMMAND NOT EXECUTED. parameter PARAMETER MUST BEGIN WITH 'DFH'.

Explanation: In a CSD utility MIGRATE command, the specified parameter contained an invalid table name or group name.

System Action: The utility does not process the command.

User Response: Resubmit the MIGRATE command with a valid table name or group name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5612 I resource object IN GROUP grpname IS UNCHANGED.

Explanation: A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the resource definition in the target group.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5613 E UNABLE TO LOCATE THE LIBRARY MEMBER member.

Explanation: The member is not in the libraries named in the JCL.

System Action: The utility terminates processing of the command that required access to library member member.

User Response: Ensure that the member is correctly link-edited into the library and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5614 E UNABLE TO LOAD THE LIBRARY MEMBER member.

Explanation: DFHCSDUP could not load library member member.

System Action: The utility terminates processing of the command that required access to the library member.

User Response: Ensure that the member is correctly link-edited into the library and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP
DFH5617 S

DFH5617 S COMMAND IS TERMINATED. AN UNRECOGNIZED TYPE OF RECORD WAS ENCOUNTERED WHILE SECONDARY CSD WAS BEING READ.

Explanation: The record-type field of an input CSD record is invalid.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where errors have occurred because they will not print and are therefore easily identifiable.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5618 I

DFH5618 I AN ATTENTION INTERRUPT WAS REQUESTED DURING DFHCSDUP EXECUTION.

Explanation: An attention interrupt has been requested while DFHCSDUP is executing in a TSO environment.

System Action: Normal utility processing continues. Control is passed to a put-message exit if one has been specified on the extended entry linkage. Refer to the CICS Customization Guide for more information about put-message exits.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5619 W

DFH5619 W AN INVALID VALUE OF THE PAGESIZE PARAMETER HAS BEEN SPECIFIED. THE DEFAULT VALUE OF 60 LINES PER PAGE WILL BE USED.

Explanation: A value of the PAGESIZE parameter outside the allowed range (4–9999) has been specified.

System Action: The default value of 60 lines per page is taken.

User Response: Ensure that a valid PAGESIZE value is specified in future.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP

DFH5620 E

DFH5620 E AN ILLEGAL RETURN CODE (RC= ret-code) HAS BEEN RETURNED FROM THE (INITIALIZATION / GET-COMMAND / TERMINATION) EXIT.

Explanation: The specified user-exit routine has returned a disallowed return code.

System Action: Processing of the utility command is terminated.

User Response: Investigate the specified exit routine for the cause of the illegal return code.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCSDUP
Chapter 1. DFH messages

DFH5625

THE USER PROGRAM HAS PASSED AN INVALID DDNAME PARAMETER FOR dname TO DFHCSDUP.

Explanation: The user program has supplied an alternative dname as a parameter for either DFHCSD, SYSIN or SYSPRINT. The alternative dname is invalid because it begins with a blank.

System Action: The default DDNAME is used instead.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHCSDUP

DFH5630 W NO IBM SUPPLIED DEFINITION FOUND FOR resourcetype resourcename.

Explanation: While performing a SCAN command, the named resource type was not found in the CSD file on any of the IBM supplied groups. Note that compatibility groups are not used for the SCAN command.

System Action: The utility continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHCSDUP

DFH5631 I resourcetype resourcename IN GROUP groupname1 MATCHES THE IBM SUPPLIED DEFINITION IN GROUP groupname2.

Explanation: While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname1 and it matches the IBM supplied definition in group groupname2.

System Action: The utility continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHCSDUP

DFH5632 I resourcetype resourcename IN GROUP groupname1 DOES NOT MATCH THE IBM SUPPLIED DEFINITION IN GROUP groupname2.

Explanation: While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname1 and it does not match the IBM supplied definition in group groupname2.

System Action: The utility continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

DFH7xxx (DFHExP) command-level translator diagnostic messages

Diagnostic messages may be issued by the command-level translator (DFHEAP for assembler language, DFHECP for COBOL, DFHEDP for C, and DFHEPP for PL/I) in the course of processing programs written in assembler language, COBOL, C, or PL/I. Assembler-language messages are inserted as macro notes (MNOTES) in the translator output file and can be seen by either printing or assembling the translator output file. COBOL, C, and PL/I messages are delivered to SYSPRINT. The same diagnostics are issued by the command-level interpreter, by the master terminal transaction (CEMT), and by CEDA.

A diagnostic message can have three components: a message number, a severity code, and message text. Each message is of the form DFH7nnn c line text where

- nnn is a number,
- c is the severity code
- line is the line number of the error and
- text is the text of the message.

In assembler language, COBOL, C, and PL/I, diagnostic messages can be allocated a severity code. This severity code is represented by a letter that, if present, will appear in the message immediately following the message number and preceding the message text. There are five levels of severity. Those for assembler language, C and PL/I are different from those for COBOL. The meanings of the codes and the associated return codes for the languages are as follows:
**DFH7000I**

<table>
<thead>
<tr>
<th>Assembler, C or PL/I</th>
<th>Return code</th>
<th>COBOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>U = Unrecoverable</td>
<td>16</td>
<td>D = Disaster</td>
</tr>
<tr>
<td>S = Severe</td>
<td>12</td>
<td>E = Error</td>
</tr>
<tr>
<td>E = Error</td>
<td>8</td>
<td>C = Conditional</td>
</tr>
<tr>
<td>W = Warning</td>
<td>4</td>
<td>W = Warning</td>
</tr>
<tr>
<td>I = Information</td>
<td>0</td>
<td>I = Information</td>
</tr>
</tbody>
</table>

The message text consists of the message itself, which may or may not include inserts. The inserts are positions within the message text where, in the actual message, specific information is given on the reasons for the diagnostic message. Not all the diagnostic messages, however, require inserts. Messages issued by the command-level translator are usually self-explanatory, and DFH7000 is an example of this type of message.

**DFH7000I** LISTING FILE CANNOT BE OPENED

Explanation: The listing data set was not opened.

System Action: The command-level translator is abnormally terminated. A dump is produced if a SYSABEND or SYSDUMP DD statement has been provided.

User Response: Enter a valid transaction identifier.

Destination: Console

Module(s): DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

**DFHACxxxx (DFHACP) messages**

**DFHAC2001** date time applid Transaction ‘tranid’ is not recognized. Check that the transaction name is correct.

Explanation: Either transaction tranid does not exist as an installed transaction definition, or it is disabled, or it contains invalid characters.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Processing continues.

User Response: Enter a valid transaction identifier.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: date, time, applid, tranid

**DFHAC2002** date time applid To use this transaction tranid you must sign on or have the right security level.

Explanation: You are signed on using the default userid but this userid does not have access to the requested transaction.

System Action: CICS does not initialize the invoked transaction. Other processing continues and message DFHAC2003 is sent to destination CSMT.

User Response: Sign on with an authorized userid.

Destination: Terminal End User

Module: DFHACP

**DFHAC2003** date time applid Security violation has been detected term id = termid, tran id = tranid, userid = userid.

Explanation: The operator with user ID userid has invoked a transaction tranid at terminal termid for which the operator is not authorized.

System Action: CICS does not initialize the invoked transaction. Other CICS processing continues and either message DFHAC2002 or DFHAC2033 is sent to the terminal operator.

User Response: Refer to the userid in the preceding message, DFHXS1111 on the CSCS log, to determine the identity of the person trying to invoke transaction tranid and the reason for the attempt.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: date, time, applid, termid, tranid, userid

**DFHAC2004** time applid Transaction tranid has failed with abend AKCC. Resource backout was successful.

Explanation: Transaction tranid is abnormally terminated with abend AKCC.

System Action: The transaction (task) is purged.

User Response: Resubmit the transaction.

Destination: Terminal End User

Module: DFHTFP

**DFHAC2005** time applid Transaction tranid has failed with abend abcode.

Explanation: Transaction tranid has been defined with INDOUBT(WAIT) or INDOUBT(COMMIT) and has been in communication with a partner APPC system. A session failure has occurred while the session was INDOUBT during an explicit or implicit syncpoint. An immediate resync was attempted but could not be completed.

System Action: The task is abnormally terminated with a transaction dump. Unless overridden, APPC resynchronization is retried when the remote system is available.

User Response: For more information, see the abend code abcode. If necessary, resubmit the transaction after the cause of the abend has been removed.

Destination: Terminal End User

Module: DFHACP

**DFHAC2006** date time applid Transaction tranid program program name abend primary abcode at termid.

Explanation: The system was unable to execute transaction tranid. termid identifies the terminal which initiated transaction tranid. If there is no associated terminal, termid appears as "????." Program programe name is the highest level program and is taken from the installed program definition. abcode is the CICS abend code.

System Action: The task is abnormally terminated with a dump.

User Response: Refer to abend code abcode for further information and guidance on how to solve the problem. If the code is not available, it is a user code generated by an EXEC CICS ABEND ABCODE(abcode) command. This command has been issued by a user program or by an IBM program (for example, a programming language library module).

Destination: CSMT
DFHAC2007 date time applid Transaction tranid cannot run as CICS shutdown is in progress.
Explanation: Transaction tranid cannot be run during system quiesce.
System Action: The system is in quiesce mode.
Note that destination CSMT is used for non-terminal transactions only.
User Response: Re-enter the transaction when CICS is in normal execution mode, or place an entry for this transaction in the transaction list table (XLT).
Destination: CSMT and Terminal End User
Module: DFHACP
XMEOUT Parameters: date, time, applid, tranid

DFHAC2008 date time applid Transaction tranid has been disabled and cannot be used.
Explanation: Terminal tranid has been disabled.
Note that destination CSMT is used for non-terminal transactions only.
System Action: Other processing continues.
User Response: Notify the programmer responsible for this area that transaction tranid has been disabled.
Destination: CSMT and Terminal End User
Module: DFHACP
XMEOUT Parameters: date, time, applid, tranid

DFHAC2009 date time applid Invalid non-terminal transaction tranid.
Explanation: Transaction tranid has been entered. No terminal is associated with this transaction. It may be that transaction tranid is a disabled transaction, or is one that cannot be run during system quiesce. Alternatively, an invalid transaction identifier may have been entered.
System Action: Other processing continues.
User Response: Determine and correct the reason for transaction tranid's invalidity.
Destination: CSMT
Module: DFHACP
XMEOUT Parameters: date, time, applid, tranid

DFHAC2010 time applid Transaction tranid is not executable on terminal termid.
Explanation: A conflict has been detected between the options specified for transaction tranid's definition and those specified on terminal termid's DFHTCT table entry. For example, transaction tranid is reserved for the use of VTAM terminals but the input came from a non-VTAM terminal.
System Action: The input is ignored.
User Response: If transaction tranid is to be entered from terminal termid, ensure that the installed transaction definition value of DVSUPRT is compatible with the DFHTCT entry.
Destination: Terminal End User
Module: DFHACP
XMEOUT Parameters: date, time, applid, tranid

DFHAC2012 date time applid Remote transaction tranid cannot be run on the local system.
Explanation: Transaction tranid is specified as remote. An attempt to route the transaction to a remote system failed either because there is no MRO/ISC defined in the running CICS system, or because the remote system name specified in the definition of the transaction is the same as that of the local system.
Note that destination CSMT is used for nonterminal transactions only.
System Action: The task is abnormally terminated.
User Response: Ensure that:
• MRO/ISC support is correctly defined
• The remote transaction definition is correct.
Destination: CSMT and Terminal End User
Module: DFHACP
XMEOUT Parameters: date, time, applid, tranid

DFHAC2014 date time applid Transaction tranid is not executable because system sysid is not available.
Explanation: Transaction tranid is specified as remote. An attempt to route the transaction to a remote system failed because the link is out of service.
Note that destination CSMT is used for non-terminal transactions only.
System Action: CICS continues.
User Response: Wait until the link is available.
Destination: CSMT and Terminal End User
Module: DFHACP
XMEOUT Parameters: date, time, applid, tranid, sysid

DFHAC2015 date time applid Console consname has not been defined to CICS. Input is ignored.
Explanation: The console operator at the console named consname has directed a MODIFY command to the CICS region, but no terminal definition for that console is installed in the region, and autoinstall for consoles is not enabled.
System Action: The MODIFY command from the console is ignored.
User Response: Notify the system programmer, who should use RDO to DEFINE and INSTALL a console definition that matches the name of the console, or enable autoinstall for consoles.

# APAR PQ26113

# The system programmer may also consider using 'pooled' consoles by defining TERMINAL definitions with a CONSNAME of DFHCONxx, or increasing the number of pooled consoles.
# Destination: CSMT and Terminal End User
# Modules: DFHACP, DFHZATA2
# XMEOUT Parameters: date, time, applid, consname
DFHAC2016 date time applid Transaction tranid cannot run because program program name is not available.

**Explanation:** Transaction tranid is not executable because the initial program for transaction tranid is not available. Possible reasons for this are:

1. The program is missing.
2. The installed program definition is missing.
3. The program is disabled.
4. The program name in the installed transaction definition is invalid.
5. The installed transaction has been defined as remote and therefor has no program name, but the name of the remote system is the same as that of the local system.

Note that destination CSMT is used for non-terminal transactions only.

**System Action:** Other processing continues.

**User Response:** Determine the cause of the error using the list given in the Explanation. The response depends on the reason as follows:

1. Load the program into the CICS program library.
2. Create an installed program definition for the program.
3. Enable the program.
4. Use a valid program name in the installed transaction definition.
5. Carry out whichever of the following is appropriate:
   - Use a local version of this transaction.
   - Use the correct remote version of this transaction.
   - Logon to the correct system and retry the transaction.

**Destination:** CSMT and Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid, program name

---

DFHAC2017 date time applid Transaction tranid cannot run because terminal profile profname for the transaction is not available.

**Explanation:** Transaction tranid is not executable because the terminal profile for the transaction is not available. This is because it has not been defined, or it has not been installed.

Note that destination CSMT is used for non-terminal transactions only.

**System Action:** Other processing continues.

**User Response:** Notify the system programmer or system administrator.

**Destination:** CSMT and Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid, profname

---

DFHAC2018 date time applid An unrecognized Process Initialization Parameter (PIP) has been received in ATTACH for transaction tranid.

**Explanation:** CICS has received an LU type 6.2 attach header with invalid process initialization parameters (PIPs).

Note that destination CSMT is used for non-terminal transactions only.

**System Action:** CICS rejects the attach request.

**User Response:** Inspect the received PIP data and its associated generalized data stream (GDS) header to determine why the parameters are invalid.

**Destination:** CSMT and Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid

---

DFHAC2019 date time applid Transaction tranid does not support unmapped conversations.

**Explanation:** Transaction tranid received an attach request that required the use of the generalized data stream (GDS) to access unmapped conversations, but transaction tranid does not support the use of the GDS interface.

**System Action:** CICS rejects the attach request.

**User Response:** Inspect the subsystem that sent the attach header to see if the correct transaction was requested. If the request was correct, check the CICS transaction definition.

**Destination:** CSMT and Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time,applid, tranid

---

DFHAC2020 time applid The conversation type requested by node netname was not recognized.

**Explanation:** CICS received a conversation-type field in an attach header that was not TYPE=MAPPED or TYPE=UNMAPPED.

**System Action:** The attach request is rejected.

**User Response:** Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

**Destination:** Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid

---

DFHAC2021 time applid An unsupported Data Blocking Algorithm (DBA) field in the attach Function Management Header (FMH) has been received from node netname.

**Explanation:** The received attach header contained a value for the reserved data blocking algorithm (DBA) field.

**System Action:** The attach request is rejected.

**User Response:** Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

**Destination:** Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid

---

# APAR PQ21324

# Corrections to message DFHAC2022

---

# DFHAC2022 date time applid Transaction tranid has initiated an incorrect sync point level request.

**Explanation:** The requested Synclevel does not match the synclevel negotiated in the Bind request, or Synclevel 2 was requested, but Lognames were not exchanged.

Note that destination CSMT is used for non-terminal transactions only.

**System Action:** The attach request is rejected.
DFHAC2023  *time applid*  An invalid sync point level has been requested by node *netname*.

**Explanation:** The synchronization level requested in the attach header is invalid for the session being used.

**System Action:** The attach request is rejected.

**User Response:** Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified. The value of the synchronization level in the attach header and the bind should be compared.

**Destination:** Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid

---

DFHAC2024  *date time applid*  A request from node *netname* has invalid security parameters.

**Explanation:** The received attach header did not match the required security parameters specified in the bind.

Note that destination CSMT is used for non-terminal transactions only.

**System Action:** The attach request is rejected.

**User Response:** Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified. The value of the synchronization level in the attach header and the bind should be compared.

**Destination:** CSMT

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, netname

---

DFHAC2025  *time applid*  An invalid Unit of Work Identification (UOWID) has been supplied by node *netname*.

**Explanation:** The received attach header contained an invalid unit of work ID (UOWID). Either the format was wrong, or no UOWID was received when the sync point level required it. This error may also be raised if no conversation correlator is supplied when it is needed.

**System Action:** The attach request is rejected.

**User Response:** Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified. The value of the UOWID/conversation correlator and the sync point level in the attach header should be compared.

**Destination:** Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid

---

DFHAC2026  *time applid*  An invalid Function Management Header (FMH) has been supplied by node *netname*.

**Explanation:** The length field in the attach header was invalid.

**System Action:** The attach request is rejected.

**User Response:** Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

**Destination:** Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid

---

DFHAC2027  *date time applid*  Transaction *tranid* does not support conversation restart.

**Explanation:** CICS will not accept LU type 6.2 attach headers with restart requested.

Note that destination CSMT is used for non-terminal transactions only.

**System Action:** The attach request is rejected.

**User Response:** Notify the system programmer. The subsystem that sent the attach header should be inspected to determine why restart was requested.

**Destination:** CSMT and Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid

---

DFHAC2028  *date time applid*  Transaction *tranid* cannot be used and has been ignored.

**Explanation:** The transaction code CSAC or CESC, was entered from a terminal. This is not allowed.

**System Action:** If the transaction is CSAC, the transaction is run with no effect. If the transaction is CESC, the transaction is abnormally terminated with abend code ATOA.

**User Response:** Ensure that these transactions are not entered from a terminal.

**Destination:** CSMT and Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid

---

DFHAC2029  *date time applid*  Transaction *tranid* is not executable.

**Explanation:** The system specified by the dynamic routing program is unavailable.

**System Action:** CICS continues.

**User Response:** Wait until the link becomes available, then try to dynamically route the transaction again.

**Destination:** CSMT and Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid
DFHAC2030 date time applid All sessions are busy. Please try again.

Explanation: Transaction tranid is specified as remote AND dynamic. An attempt to dynamically route transaction tranid to the remote system specified by the dynamic routing program has failed because no sessions are immediately available.

Note that destination CSMT is used for non-terminal transactions only.

System Action: CICS continues.

User Response: Wait until a session becomes available, then try to dynamically route the transaction again.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: date, time, applid

DFHAC2031 date time applid Automatic signon of operator of console consname has failed.

Explanation: The console operator at the console named consname has directed a MODIFY command to the CICS region, and the console was defined with USERID(*FIRST) or USERID(*EVERY). When CICS tried to signon the operator automatically, the signon was rejected.

System Action: The MODIFY command from the console is ignored.

User Response: Contact the system programmer to give the userid in use at the console (which is identified in other messages on the log), the correct access to this console using RACF (or an equivalent External Security manager).

Destination: CSML and Terminal End User

Modules: DFHACP, DFHZATA2

XMEOUT Parameters: date, time, applid, consname

DFHAC2032 date time applid CICS autoinstall for console consname has failed.

Explanation: The console operator at the console named consname has directed a MODIFY command to the CICS region, but no terminal definition for that console is installed in the region, and an autoinstall for it has failed.

System Action: The MODIFY command from the console is ignored.

User Response: Notify the system programmer, who should investigate the failure by looking for abends and messages on the log of the CICS system.

Destination: CSML

Modules: DFHACP, DFHZATA2

XMEOUT Parameters: date, time, applid, consname

DFHAC2033 date applid You are not authorized to use transaction tranid. Check that the transaction name is correct.

Explanation: Either an operator has attempted to execute transaction tranid while not authorized, or another transaction attempted to start transaction tranid, which was not authorized for this terminal.

System Action: Other processing continues. Message DFHAC2003 is sent to CSMT.

User Response: Either determine why the operator was trying to execute transaction tranid or enter an authorized transaction identifier.

Destination: Terminal End User

Module: DFHACP

DFHAC2034 date applid CICS Logic Error. An invalid error code has been passed to DFHACP. Transaction: tranid Terminal: termid.

Explanation: An invalid error code has been passed to DFHACP.

System Action: Transaction tranid is terminated with a transaction dump. The dump code is AACA. Message DFHAC2035 is sent to the CSMT.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Terminal End User

Module: DFHACP

DFHAC2035 date time applid An invalid error code has been passed to DFHACP. Transaction tranid is terminated. Terminal termid.

Explanation: An invalid error code has been passed to DFHACP.

System Action: Transaction tranid is terminated with a transaction dump. A transaction dump is taken. The dump code is AACA. Message DFHAC2035 is sent to the terminal user. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: date, time, applid, tranid, termid

DFHAC2036 date time applid Transaction tranid has failed with abend AKCC. Resource backout was successful.

Explanation: Transaction tranid has abended AKCC.

System Action: The transaction (task) is purged.

User Response: Resubmit the transaction later.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: date, time, applid, tranid
DFHAC2037 date time applid Transaction tranid is not executable on terminal termid.

Explanation: A conflict has been detected between the options specified for transaction tranid's definition and those specified on terminal termid's DFHTCT table entry. For example, transaction tranid is reserved for the use of VTAM terminals but the input came from a non-VTAM terminal.

System Action: The input is ignored.

User Response: If transaction tranid is to be entered from terminal termid, ensure that the installed transaction definition value of DVSUPRT is compatible with the DFHTCT entry.

Destination: CSMT
Module: DFHACP
XMEOUT Parameters: date, time, applid, tranid, termid

DFHAC2038 date time applid The conversation type requested by node netname was not recognized.

Explanation: CICS received a conversation-type field in an attach header that was not TYPE=MAPPED or TYPE=UNMAPPED.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the failing subsystem identified.

Destination: CSMT
Module: DFHACP
XMEOUT Parameters: date, time, applid, netname

DFHAC2039 date time applid An unsupported Data Blocking Algorithm (DBA) field in the attach Function Management Header (FMH) has been received from node netname.

Explanation: The received attach header contained a value for the reserved data blocking algorithm (DBA) field.

System Action: The attach request is rejected.

User Response: Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Destination: CSMT
Module: DFHACP
XMEOUT Parameters: date, time, applid, netname

DFHAC2040 date time applid An invalid sync point level has been requested by node netname.

Explanation: The synchronization level requested in the attach header is invalid for the session being used.

System Action: The attach request is rejected.

User Response: Notify the system programmer. Check the value of the synchronization level in the attach header and the bind.

Destination: CSMT
Module: DFHACP
XMEOUT Parameters: date, time, applid

DFHAC2041 date time applid An invalid Unit of Work Identification (UOWID) has been supplied by node netname.

Explanation: The received attach header contained an invalid unit of work ID (UOWID). Either the format was wrong, or no UOWID was received when the sync point level required it. This error may also be raised if no conversation correlator is supplied when it is needed.

System Action: The attach request is rejected.

User Response: Notify the system programmer. Check the UOWID/conversation correlator and the sync point level in the attach header should be compared.

Destination: CSMT
Module: DFHACP
XMEOUT Parameters: date, time, applid, netname

DFHAC2042 date time applid An invalid Function Management Header (FMH) has been supplied by node netname.

Explanation: The length field in the attach header was invalid.

System Action: The attach request is rejected.

User Response: Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Destination: CSMT
Module: DFHACP
XMEOUT Parameters: date, time, applid, netname

DFHAC2043 date time applid Transaction has been rejected - CICS system is being recovered. Please wait for completion of recovery.

Explanation: A request to initiate a transaction was received while the CICS system was in the process of recovering the session following an XRF takeover or persistent sessions restart. The error is detected by DFHZSUP, which then drives DFHACP to issue this message.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Depending upon the recovery notification requested for this terminal, the system will send either the recovery message or initiate the recovery transaction specified on the RECOVNOTIFY option of the typeterm definition for this terminal (see the CICS Resource Definition Guide for details).

User Response: After the recovery notification has been received, the user is able to continue operations.

Destination: CSMT and Terminal End User
Module: DFHACP
XMEOUT Parameters: date, time, applid
**DFHAC2044**

**Explanation:** An attempt was made to send a SYNCPOINT ROLLBACK request. A nonzero return code was received by the sender of the request.

**System Action:** ABORT processing is initiated for terminal termid.

**User Response:** Notify the system programmer. Use trace to find the value of the return code from the SYNCPOINT ROLLBACK request. For IRC, the meaning of the return code can be found in the CICS Data Areas manual.

**Destination:** CSMT

**Module:** DFHZIS1

**XMEOUT Parameters:** date, time, applid, termid

**DFHAC2045**

**Explanation:** The console operator at the console named consname has directed a MODIFY command to the CICS region, but no terminal definition for that console is installed in the region, and an autoinstall for it has failed because the autoinstall program has rejected the install request.

**System Action:** The MODIFY command from the console is ignored.

**User Response:** Notify the system programmer, who should alter the autoinstall program to allow this console to be installed.

**Destination:** CSMT

**Modules:** DFHACP, DFHZATA2

**XMEOUT Parameters:** date, time, applid, consname

**DFHAC2047**

**Explanation:** A request to attach a remote transaction failed due to a security problem. The security fields extracted from the Attach FMH5 were passed to the Security Domain to signon the user in the remote system, but the signon call failed.

**System Action:** The attach request is rejected.

**User Response:**

**APAR PQ28549**

Refer to previous security messages which are written to TDO CSCS such as DFHSN1604 for further information and guidance.

If no previous messages were issued, examine the trace to determine the reason for the signon failure. Check that if the userid, password or profile are passed on the Attach FMH5, then they are valid.

**Destination:** CSMT and Terminal End User

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, netname

**DFHAC2050**

**Explanation:** The access security information length field in the attach header is invalid.

**System Action:** An exception trace entry containing the invalid FMH5 is issued. The attach request is rejected.

**User Response:** Notify the system programmer. Check the validity of the attach function management header and identify the cause of the error.

**Destination:** Terminal End User

**Module:** DFHACP

**DFHAC2051**

**Explanation:** The Access Security Information length field in the attach header was invalid.

**System Action:** An exception trace entry containing the invalid FMH5 has been issued. The attach request is rejected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

**Destination:** CSMT

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, netname

**DFHAC2052**

**Explanation:** A password was required in the attach FMH5, but was missing. A user ID was found, however, because the attach did not specify already verified (AV) or persistent signed-on (PV1), a password should have been present.

**System Action:** An exception trace entry is issued tracing the invalid FMH5. The attach request is rejected.

**User Response:** Notify the system programmer. Inspect the subsystem that sent the attach header to determine why the password was not sent.

**Destination:** Terminal End User

**Module:** DFHACP

**DFHAC2053**

**Explanation:** A password was required in the attach FMH5, but was missing. A user ID was found, however, since the attach did not specify already verified (AV) or persistent signed-on (PV1), a password should have been present.

**System Action:** An exception trace entry is issued tracing the invalid FMH5. The attach request is rejected.

**User Response:** Notify the system programmer. Inspect the subsystem that sent the attach header to determine why the password was not sent.

**Destination:** CSMT

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, netname
Chapter 1. DFH messages

DFHAC2054  

**time applid** You are not authorized to access this system.

**Explanation:** The attach header that was sent to the remote system did not match the required security parameters specified in the bind.

**System Action:** The attach request is rejected by the remote system and the session is unbound. The remote system issues messages DFHAC2055 on CSMT and DFHZC4946 on CSNE.

**User Response:** Inform the system programmer. Investigate the reason why the attach request failed. See messages DFHAC2055 on CSMT and DFHZC4946 on CSNE issued by the remote system for more diagnostic information.

**Destination:** Terminal End User

**Module:** DFHACP

DFHAC2055  

date time applid  

An attach request from node `netname` has sent BINDFMH5 security data that is invalid.

**Explanation:** A request to attach a task has been received across an APPC link. However, there is an error in the FMH attach parameters. An attach parameter is present that is not authorized by the bind security indicators.

**System Action:** The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued, tracing the invalid attach header (FMH type 5). Message DFHZC4946 on CSNE contains sense information to help identify the reason for the failure.

**User Response:** Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace to determine why the remote system sent an invalid attach request.

**Destination:** CSMT

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, netname

DFHAC2056  

**time applid** You are not authorized to access this system.

**Explanation:** The attach header that was sent to the remote system did not conform to the APPC protocol.

**System Action:** The attach request is rejected by the remote system and the session is unbound. The remote system will produce messages DFHAC2057 on CSMT and DFHZC4947 on CSNE.

**User Response:** Inform the system programmer. Investigate the reason why the attach request failed. See messages DFHAC2057 on CSMT and DFHZC4947 on CSNE issued by the remote system for more diagnostic information.

**Destination:** Terminal End User

**Module:** DFHACP

DFHAC2057  

date time applid  

While performing an attach for node `netname` a security violation was detected.

**Explanation:** A request to attach a task has been received across an APPC link. However, the FMH attach parameters do not conform to the APPC protocol.

**System Action:** The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued tracing the invalid attach header (FMH type 5). Message DFHZC4947 is issued.

**User Response:** Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace to determine why the remote system sent an invalid attach request. See message DFHZC4947 on CSNE which contains sense information to help identify the reason for the failure.

If the remote system has an earlier release of CICS or CICS on another platform then you may need to set USEDFLTUSER. See Attach Time Security and the USEDFLTUSER option in the CICS RACF Security Guide.

**Destination:** CSMT

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, netname

DFHAC2201  

**time applid** Transaction `tranid` has lost contact with its coordinator system during syncpoint processing and has abended with code ASP1. The unit of work is shunted until contact is restored. `condmsg`

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction `tranid` has lost contact with its coordinator system during the critical period of syncpoint processing known as the ‘indoubt window’.

In accordance with the transaction definition (WAIT YES), the unit of work is not completed but is allowed to wait for resynchronization with the coordinator system. The transaction is abnormally terminated with abend code ASP1. The unit of work is shunted to await the return of the coordinator system.

If possible, a conditional message `condmsg` from the linked system is appended to this message.

**System Action:** Message DFHAC2231 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User Response:** None. Any updates performed by the unit of work are resolved automatically when resynchronization with the coordinator takes place.

Alternatively, the user may force resolution of the updates independently of the coordinator system by making a CEMT request to commit or to back out the unit of work.

**Destination:** Terminal End User

**Module:** DFHTFP

DFHAC2202  

**time applid** Transaction `tranid` has lost contact with its coordinator system during syncpoint processing and has abended with code ASP0. All updates will be unilaterally committed. `condmsg`

**Explanation:** Transaction `tranid` has lost contact with its coordinator system during the critical period of syncpoint processing known as the ‘indoubt window’. The transaction is abnormally terminated with abend code ASP0.

In accordance with the transaction definition (WAIT NO and ACTION COMMIT), all recoverable updates performed by the unit of work are unilaterally committed. Note that integrity of updates may be lost because the coordinator system may either commit or back out its changes.

If possible, a conditional message `condmsg` from the linked system is appended to this message.
DFHAC2203

Message DFHAC2232 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: None. In accordance with the transaction definition, all updates are unilaterally committed.

Destination: Terminal End User
Module: DFHTFP

DFHAC2203

time applid Transaction tranid has lost contact with its coordinator system during syncpoint processing and has abended with code ASPP. All updates will be unilaterally backed out. condmsg

Explanation: Transaction tranid has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. The transaction is abnormally terminated with abend code ASPP.

In accordance with the transaction definition (WAIT NO and ACTION BACKOUT), all recoverable updates performed by the unit of work are unilaterally backed out. Note that integrity of updates may be lost because the coordinator system may either commit or back out its changes.

If possible, a conditional message condmsg from the linked system is appended to this message.

System Action: Message DFHAC2233 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: None. In accordance with the transaction definition, all updates are unilaterally backed out.

Destination: Terminal End User
Module: DFHTFP

DFHAC2206

time applid Transaction tranid failed with abend abcode. Updates to local recoverable resources backed out. condmsg

Explanation: Transaction tranid is abnormally terminated with abend code abcode. Any changes to recoverable resources in the local system that have been performed by the current unit of work are backed out.

abcode is either a CICS transaction abend code or a user abend code generated by a CICS ABEND ABOCODE(abcode) command. This command is issued either by a user program or by an IBM program (for example, a programming language library module).

If possible, a conditional message condmsg from the remote system will be appended to this message.

When this message is issued in the terminal owning region because a remote transaction has failed, there may be no recoverable resources to be backed out in the local system. In this case, the conditional message tells you whether or not resources in the remote system have been backed out.

System Action: Message DFHAC2236 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Use the abend code, abcode, to diagnose the problem. In a transaction routing environment, the original cause of the failure is usually indicated in the conditional message. If the abend is issued by an IBM program product other than CICS, the code is documented in the library of that other product.

Resubmit the transaction after the cause of the original abend has been removed.

Destination: Terminal End User
Module: DFHTFP

DFHAC2215

time applid A CICS-generated syncpoint request has failed because a connected system has requested that the UOW be rolled back. Transaction tranid has been abnormally terminated with code ASPF. condmsg

Explanation: CICS has been unable to comply with an internally generated syncpoint request because a connected system has notified it that the unit of work must be rolled back. (This may also occur as a result of a session failure or a protocol error).

Transaction tranid is abnormally terminated with abend code ASPF. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message condmsg from the linked system is appended to this message.

System Action: Message DFHAC2245 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

Destination: Terminal End User
Module: DFHTFP

DFHAC2216

time applid Transaction termination processing has failed because a connected system has requested that the UOW be rolled back. Transaction tranid has been abnormally terminated with code ASPN. condmsg

Explanation: CICS has been unable to complete normal transaction termination processing because a connected system has notified it that the unit of work must be rolled back. (This may also occur as a result of a session failure or a protocol error).

Transaction tranid is abnormally terminated with abend code ASPN. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message condmsg from the linked system is appended to this message.

System Action: Message DFHAC2246 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

Destination: Terminal End User
Module: DFHTFP
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Transaction syncpoint request. A remote resource owner has replied 'No' to a request to 'Prepare', during the syncpoint protocol. Updates will be backed out.

Explanation: An application has requested syncpoint rollback, but was using a type of processing that does not support rollback, for example LU6.1.

Transaction \textit{tranid} is abnormally terminated with abend code ASP8. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

If possible, a conditional message \textit{condmsg} from the linked system will be appended to this message.

**System Action:** Message DFHAC2247 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User Response:** Refer to the explanation of abend ASP8.

**Destination:** Terminal End User

**Module:** DFHTFP

Transaction \textit{tranid} is abnormally terminated with abend code ASP7. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

If possible, a conditional message \textit{condmsg} from the linked system is appended to this message.

**System Action:** Message DFHAC2248 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User Response:** Refer to the explanation of abend ASP7.

**Destination:** Terminal End User

**Module:** DFHTFP

Transaction \textit{tranid} has failed with abend ASPQ. Syncpoint commit processing has failed while communicating with a remote system.

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system such as files, temporary storage, and transient data on remote CICS systems have been updated, and so the remote resource owners have been sent a syncpoint request. A failure occurred during phase 2 of syncpoint protocol.

Transaction \textit{tranid} is abnormally terminated with abend code ASPQ. Recoverable resources have successfully been committed but a subsequent error occurred.

If possible, a conditional message \textit{condmsg} from the linked system is appended to this message.

**System Action:** Message DFHAC2251 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

**User Response:** Refer to the associated messages already issued by the communication components of CICS to determine the cause of the intersystem session problem.

**Destination:** Terminal End User

**Module:** DFHTFP
DFHAC2222

time applid Transaction tranid has lost contact with its coordinator system during syncpoint processing. No updates have been performed by this system; it has abended with code ASPR. condmsg

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction tranid has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. However no recoverable resources have been updated by this system, so there is no data integrity problem.

Transaction tranid is abnormally terminated with abend code ASPR. If possible, a conditional message condmsg from the linked system is appended to this message.

System Action: Message DFHAC2252 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Refer to messages on the remote system to determine if the remote resources were backed out or committed.

Destination: Terminal End User

Module: DFHTFP

DFHAC2233

time applid Transaction tranid has failed with abend ASP2 due to the links to the remote systems being in an invalid state. Updates will be backed out. condmsg

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, but the remote resource owners were not sent a syncpoint request. The links to the remote resource owners are in an invalid state so to be sent the PREPARE request of the two phase syncpoint protocol.

Transaction tranid is abnormally terminated with abend code ASP2. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

System Action: Message DFHAC2253 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: See the explanation of abend ASP2 for guidance.

Destination: Terminal End User

Module: DFHTFP

DFHAC2230

time applid Transaction tranid terminal termid not executed due to I/O error at session startup. message

Explanation: Transaction tranid could not be executed because an I/O error occurred in the start-up program on terminal termid.

System Action: Transaction tranid is not executed.

User Response: Correct the cause of the I/O error, which is probably due to the terminal not being powered on.

Destination: CSMT

Module: DFHACP

DFHAC2231

time applid Transaction tranid running program program name term termid has lost contact with its coordinator system during syncpoint and has abended with code ASP1. The unit of work is shunted until contact is restored: EXCI job = $exci_id, condmsg

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction tranid has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'.

In accordance with the transaction definition (WAIT YES), the unit of work is not completed. It is allowed to wait for resynchronization with the coordinator system. The transaction is abnormally terminated with abend code ASP1. The unit of work is shunted to await the return of the coordinator system.

Exci Job =$exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The $exci_id consists of 'jobname.stepname.procname - MVSId' and identifies the EXCI client job. The stepname and procmame may be omitted. The MVSId identifies The MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSId is the SMF system identification (SID), hence the MVSId will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

System Action: If possible, message DFHAC2201 is sent to the terminal user. Normal abend processing continues.

User Response: Refer to explanation of abend code ASP1.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: date, time, applid, tranid, termid, message

DFHAC2232

time applid Transaction tranid running program program name term termid has lost contact with its coordinator system during syncpoint and has abended with code ASP0. All updates will be unilaterally committed: EXCI job = $exci_id, condmsg

Explanation: Transaction tranid has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. The transaction is abnormally terminated with abend code ASP0.

In accordance with the transaction definition (WAIT NO and ACTION COMMIT), all recoverable updates performed by the unit of work are unilaterally committed. Note that integrity of updates may be lost since the coordinator system may either commit or back out its changes.

Exci Job =$exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface.
interface (EXCI). The exci_id consists of
'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system termid is a terminal identifier (transaction routing) or a session identifier, sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

**System Action:** If possible, message **DFHAC2202** is sent to the terminal user. Normal abend processing continues.

**User Response:** None. In accordance with the transaction definition, all updates are unilaterally committed.

**Destination:** CSMT

**Module:** DFHTFP

**XMEOUT Parameters:** date, time, applid, tranid, termid, {1= EXCI job = }, exci_id, condmsg

---

**DFHAC2233**

**Message: DFHAC2233**

**Message Text:**

`{. EXCI job = }exci_id, condmsg`

**Explanation:** Transaction tranid has lost contact with its coordinator system during syncpoint and has abended with code ASPP. All updates will be unilaterally backed out. For the local resource owner(s) that suffered the commit failure, the transaction will be allowed to complete normally. The transaction will be shunted.

**System Action:** If possible, message **DFHAC2204** is sent to the terminal user. For an EXEC CICS SYNCPOINT, processing completes normally and processing continues with the next unit of work. For EXEC CICS RETURN, the transaction completes normally.

**User Response:** Refer to earlier messages issued by the local resource owner to determine the cause of the commit failure.

**Destination:** CSMT

**Module:** DFHTFP

**XMEOUT Parameters:** date, time, applid, tranid, termid, {1= EXCI job = }, exci_id, condmsg

---

**DFHAC2234**

**Message: DFHAC2234**

**Message Text:**

`{. EXCI job = }exci_id, condmsg`

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources local to this CICS system, for example files, temporary storage, or transient data, have been updated. A commit failure occurred during phase 2 of the syncpoint protocol for a local resource owner.

**System Action:** If possible, message **DFHAC2204** is sent to the terminal user. For an EXEC CICS SYNCPOINT, processing completes normally and processing continues with the next unit of work. For EXEC CICS RETURN, the transaction completes normally.

**User Response:** Refer to earlier messages issued by the local resource owner to determine the cause of the commit failure.

**Destination:** CSMT

**Module:** DFHTFP

**XMEOUT Parameters:** date, time, applid, tranid, termid, {1= EXCI job = }, exci_id, condmsg

---

**DFHAC2235**

**Message: DFHAC2235**

**Message Text:**

`{. EXCI job = }exci_id, condmsg`

**Explanation:** An attempt to back out a unit of work has suffered a backout failure. For the local resource owner(s) that suffered the backout failure, the resources updated by the unit of work remain locked. All other resources are backed out.

**System Action:** If possible, message **DFHAC2204** is sent to the terminal user. Normal abend processing continues.

**User Response:** None. In accordance with the transaction definition, all updates are unilaterally backed out.

**Destination:** CSMT
DFHAC2236

termid is a terminal identifier (transaction routing) or a session identifier.

System Action: If possible, message DFHAC2205 is sent to the terminal user. For an EXEC CICS SYNCPONT, processing completes normally and processing continues with the next unit of work. For EXEC CICS RETURN, the transaction completes normally.

Resources affected by the backout failure remain locked and the unit of work is shunted.

User Response: Refer to an earlier messages issued by the local resource owner to determine the cause of the backout failure.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: date, time, applid, tranid, termid, {1=. EXCI job = }, exci_id, condmsg

DFHAC2226 date time applid Transaction tranid abend secondary abendcode in program program name termid. Updates to local recoverable resources will be backed out. [ EXCI job = ] exci_id, condmsg

Explanation: Transaction tranid is abnormally terminated with abendcode in program programname. Any changes to recoverable resources in the local system that have been performed by the current unit of work are backed out.

EXCI Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

When this message is issued in the Terminal Owning region because a remote transaction has failed, there may be no recoverable resources to be backed out in the local system. In this case, the conditional message will tell you whether or not resources in the remote system have been backed out.

Program programname will be unknown when the message is issued in a Terminal Owning region.

System Action: If possible, message DFHAC2206 is sent to the terminal user. Normal abend processing continues.

User Response: See the description of the abendcode abendcode for guidance. In a transaction routing environment, the original cause of the failure is usually indicated in the conditional message. If abendcode is not a CICS abendcode, it is a user code, in which case you should consult the programmer responsible for this area.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: date, time, applid, tranid, secondary abendcode, program name, termid, {1= EXCI job = }, exci_id, condmsg

DFHAC2245 date time applid A CICS-generated syncpoint request could not be completed normally because a connected system has requested that the unit of work be rolled back. Transaction tranid running program program name termid has been abnormally terminated with code ASPF. EXCI job = exci_id, condmsg

Explanation: CICS has been unable to complete an internally generated syncpoint request because a connected system has notified it that the unit of work must be rolled back. (This may also occur as a result of a session failure or a protocol error).

Transaction tranid is abnormally terminated with abendcode ASPF in program programname. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this may be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

System Action: If possible, message DFHAC2215 is sent to the terminal user. Normal abend processing continues.

User Response: Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: date, time, applid, tranid, program name, termid, {1= EXCI job = }, exci_id, condmsg

DFHAC2246 date time applid Transaction termination processing could not be completed normally because a connected system has requested that the unit of work be rolled back. Transaction tranid, terminal termid has been abnormally terminated with code ASPN. EXCI job = exci_id, condmsg

Explanation: CICS has been unable to complete normal transaction termination processing because a connected system has notified it that the unit of work must be rolled back. (This may also occur as a result of a session failure or a protocol error).

Transaction tranid is abnormally terminated with abendcode ASPN. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and proname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this may be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

System Action: If possible, message DFHAC2215 is sent to the terminal user. Normal abend processing continues.

User Response: Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: date, time, applid, tranid, secondary abendcode, program name, termid, {1= EXCI job = }, exci_id, condmsg
running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSId is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

**System Action:** If possible, message DFHAC2216 is sent to the terminal user. Normal abend processing continues.

**User Response:** Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

**Destination:** CSMT

**Module:** DFHTFP

**XMEOUT Parameters:** date, time, applid, tranid, termid, {1=. EXCI job = }, exci_id, condmsg

---

**DFHAC2247**

```
DFHAC2247 date time applid Transaction tranid running program
program name term termid has requested rollback,
but was using a type of processing for which
rollback is not supported. The transaction has been
abnormally terminated with code ASP8 {}. EXCI job =
{exci_id}, condmsg
```

**Explanation:** An application requested syncpoint rollback, but was using a type of processing that does not support rollback, for example LU6.1.

Transaction tranid is abnormally terminated with abend code ASP8 in program programe. Any changes to recoverable resources that have been performed by the current unit of work will be backed out. Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procnome may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

**System Action:** If possible, message DFHAC2218 is sent to the terminal user. Normal abend processing continues.

**User Response:** Refer to explanation of abend code ASP7.

**Destination:** CSMT

**Module:** DFHTFP

**XMEOUT Parameters:** date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg

---

**DFHAC2248**

```
DFHAC2248 date time applid Transaction tranid running program
program name term termid has failed with abend
ASP7 following the failure of a local resource owner
in the prepare phase of syncpoint. Updates will be
backed out {}. EXCI job = {exci_id}, condmsg
```

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources local to this CICS system, for example files, temporary storage, transient data, have been updated, and so the local resource owners have been sent a syncpoint request. A local resource owner has replied 'No' to a request to 'Prepare', during the two phase syncpoint protocol. Transaction tranid is abnormally terminated with abend code ASP7 in program programe. Any changes to recoverable resources that have been performed by the current unit of work will be backed out. Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procnome may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

**System Action:** If possible, message DFHAC2217 is sent to the terminal user. Normal abend processing continues.

**User Response:** Refer to explanation of abend code ASP8.

**Destination:** CSMT

**Module:** DFHTFP

**XMEOUT Parameters:** date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg
running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

System Action: If possible, message DFHAC2219 is sent to the terminal user. Normal abend processing continues.

User Response: Refer to explanation of abend code ASP7.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: date, time, applid, tranid, program name, termid, 1.exci job = }, exci_id, condmsg

---

**DFHAC2250 date applid** The coordinator system has indicated that the current unit of work is to be backed out. Transaction tranid running program program name term termid has been abnormally terminated with abend ASP3; EXCI job = }exci_id, condmsg.

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The local unit of work is part of a larger unit of work, and is not the coordinator in the syncpoint. The coordinator is either in a remote system or is another unit of work in the local system (if the transaction is the result of a RUN SYNCHRONOUS command). During the syncpoint protocol the coordinator has decided that the unit of work cannot be committed and must be backed out.

Transaction tranid is abnormally terminated with abend code ASP3 in program programname. Any changes to recoverable resources that have been performed by the current unit of work are backed out. Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of jobname.stepname.procname - MVSid and identifies the EXCI client job. The stepname and proconame may be omitted. MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

System Action: If possible, message DFHAC2220 is sent to the terminal user. Normal abend processing continues.

User Response: Refer to associated messages already issued by the communication components of CICS to determine the cause of the intersystem session problem.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: date, time, applid, tranid, program name, termid, 1.exci job = }, exci_id, condmsg

---

**DFHAC2251 date applid** Transaction tranid running program program name term termid has failed with abend ASPQ. Syncpoint commit processing has failed while communicating with a remote system; EXCI job = }exci_id, condmsg.

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system such as files, temporary storage, and transient data on remote CICS systems have been updated, and so the remote resource owners have been sent a syncpoint request. A failure occurred during phase 2 of syncpoint protocol.

Transaction tranid is abnormally terminated with abend code ASPQ in program programname. Recoverable resources have successfully been committed but a subsequent error occurred. Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of jobname.stepname.procname - MVSid and identifies the EXCI client job. The stepname and proconame may be omitted. MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS; not a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, sysid is the identifier of the linked CICS system, and the display ends with the termination message condmsg issued by the linked system.

System Action: If possible, message DFHAC2221 is sent to the terminal user. Normal abend processing continues.

User Response: Refer to associated messages already issued by the communication components of CICS to determine the cause of the intersystem session problem.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: date, time, applid, tranid, program name, termid, 1.exci job = }, exci_id, condmsg

---

**DFHAC2252 date applid** Transaction tranid running program program name term termid has lost contact with its coordinator system during syncpoint processing. No updates have been performed by this system; it has abended with code ASPR; EXCI job = }exci_id, condmsg.

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote. Transaction tranid has lost contact with its coordinator system during the critical period of syncpoint processing known as the ‘indoubt window’. However no recoverable resources have been updated by this system and so there is no data integrity problem. Exci Job =exci_id is added when tranid is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of jobname.stepname.procname - MVSid and identifies the EXCI client job. The stepname and proconame may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS; not a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, sysid is the identifier of the linked CICS system, and the display ends with the termination message condmsg issued by the linked system.

System Action: If possible, message DFHAC2222 is sent to the terminal user. Normal abend processing continues.

User Response: Refer to associated messages already issued by the communication components of CICS to determine the cause of the intersystem session problem.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: date, time, applid, tranid, program name, termid, 1.exci job = }, exci_id, condmsg
running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal termid represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, termid is a terminal identifier (transaction routing) or a session identifier, and sysid is the identifier of the linked CICS system. The display ends with the termination message condmsg issued by the linked system.

**System Action:** If possible, message DFHAC2222 is sent to the terminal user. Normal abend processing continues.

**User Response:** Refer to messages on the remote system to determine if the remote resources were backed out or committed.

**Destination:** CSMT

**Module:** DFHTFP

**XMEOUT Parameters:** date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg

---

DFHAC2253 date time applid Transaction tranid running program program name term termid has failed with abend ASP2 due to the links to the remote systems being in an invalid state. Updates will be backed out/.

**Explanation:** An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and so the remote resource owners would be sent a syncpoint request. The links to the remote resource owners are in an invalid state to be sent the PREPARE request of the two phase syncpoint protocol.

Transaction tranid is abnormally terminated with abend code ASP2 in program programname. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

Exci job =exci_id, condmsg

**User Response:** See the explanation of abend code ASP2 for guidance.

**Destination:** CSMT

**Module:** DFHTFP

**XMEOUT Parameters:** date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg

---

DFHAC2259 date time applid Transaction tranid abend primary abcode in program program name term termid DFHPEP not linked.

**Explanation:** Transaction tranid is abnormally terminated with abend code abcode. An error occurred in attempting to link to the user-written program error program (DFHPEP). The error prevented DFHPEP from being given control.

If CICS terminates abnormally because of a program control restart failure, this message can appear during shutdown.

**System Action:** Depending on the reason for the failure, CICS may abnormally terminate or continue.

**User Response:** The transaction abend code, abcode, gives the reason for the original transaction failure.

**Destination:** CSMT

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid, primary abcode, program name, termid

---

DFHAC2260 date time applid Transaction tranid disabled by DFHPEP.

**Explanation:** Transaction tranid, which has abnormally terminated, has been disabled. This is either as a result of user code in DFHPEP, or because the transaction has abended with abend code ASRD or ASRE and DISMACP=YES has been specified (or allowed to default) in the startup parameters. No further use can be made of transaction tranid.

**System Action:** Processing continues.

**User Response:** Correct the cause of the abnormal termination and enable the transaction.

**Destination:** CSMT

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid

---

DFHAC2261 System sysid sent message (sense code 'cccccccc'. tackbmsg'.

**Explanation:** A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system sysid. The message tackbmsg is supplied from the remote system.

**System Action:** Processing continues.

**User Response:** Correct the reason for the abnormal termination in the remote system and run the transaction again.

**Destination:** Terminal End User

**Module:** DFHACP
DFHAC2262

**Explanation:** A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system **sysid**. The message **tacbmsg** is supplied from the remote system.

**System Action:** Processing continues.

**User Response:** Correct the reason for the abnormal termination in the remote system and run the transaction again.

**Destination:** CSMT

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, cccccccc, tacbmsg

---

DFHAC2263

**Explanation:** Transaction **tranid** has abended and the abnormal completion program (DFHACP) has linked to the user-written error program (DFHPEP). The error program has also abended.

**System Action:** Processing continues.

**User Response:** The transaction abend code **abcode** gives the reason for the original transaction failure. Correct the cause of the abnormal termination in the error program and run the transaction again.

**Destination:** CSMT

**Module:** DFHACP

**XMEOUT Parameters:** date, time, applid, tranid, primary abcode, program name, termid

---

DFHAC2603

**Explanation:** An operator has attempted to execute a transaction for which the operator was not authorized. Alternatively, the operator's authorization was set to the capability of the default user and the requested transaction has a security value greater than 1.

**System Action:** Other processing continues.

**User Response:** Either sign on or confirm authority to enter this transaction as appropriate. See messages DFHAC2002 and DFHAC2003 for further information.

**Destination:** Terminal End User

**Module:** DFHACP

---

DFHAC2605

**Explanation:** The system was unable to execute the transaction at this time.

**System Action:** The transaction is purged.

**User Response:** Resubmit the transaction later.

**Destination:** Terminal End User

**Module:** DFHACP

---

DFHAC2606

**Explanation:** Either the transaction was not valid during system quiesce, or the transaction has been disabled.

**System Action:** The system action is error specific. For an invalid transaction during system quiesce, refer to the System Action of message DFHAC2007.

For a transaction that has been disabled, refer to the User Response of message DFHAC2008.

**User Response:** The user response is error specific.

For an invalid transaction during system quiesce, refer to the User Response of message DFHAC2007. For a transaction that has been disabled, refer to the User Response of message DFHAC2008.

**Destination:** Terminal End User

**Module:** DFHACP

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**DFHAIIxxxx messages**

**DFHAII0101** **applid** AITM initialization has started.

**Explanation:** This is an informational message indicating that Auto-install terminal model manager (AITM) initialization has begun.

**System Action:** Initialization continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHAIIIN

**XMEOUT Parameter:** applid

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**DFHAII0102** **applid** AITM initialization has ended.

**Explanation:** This is an informational message indicating that Autoinstall terminal model manager (AITM) initialization has completed.

**System Action:** CICS initialization continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHAIIIN

**XMEOUT Parameter:** applid

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**DFHAII0103** **applid** AITM initialization has failed.

**Explanation:** Autoinstall terminal model manager (AITM) initialization has failed.

**System Action:** Message DFHSI1521 is issued and initialization is terminated. A further error message from another domain may also be issued.

**User Response:** This error is identified by a trace entry. Refer to DFHSI1521, and any other error message issued, for further guidance.

**Destination:** Console

**Module:** DFHAIIIN

**XMEOUT Parameter:** applid
DFHAI0201I  date time applid Terminal Model modelname has been re-installed.
Explanation: This is an audit log message indicating that a record of the dynamic replacement of auto-install terminal model modelname has been made in the transient data destination.
System Action: The system continues normally.
User Response: None.
Destination: CAIL
Module: DFHAITM
XMEOUT Parameters: date, time, applid, modelname

DFHAI0202I  date time applid Terminal Model modelname has been installed.
Explanation: This is an audit log message indicating that a record of the dynamic addition of auto-install terminal model modelname has been made in the transient data destination.
System Action: The system continues normally.
User Response: None.
Destination: CAIL
Module: DFHAITM
XMEOUT Parameters: date, time, applid, modelname

DFHAI0203I  date time applid Terminal Model modelname has been discarded.
Explanation: This is an audit log message indicating that a record of the dynamic deletion of auto-install terminal model modelname has been made in the transient data destination using the DISCARD command.
System Action: The system continues normally.
User Response: None.
Destination: CAIL
Module: DFHAITM
XMEOUT Parameters: date, time, applid, modelname

DFHAMxxxx messages

DFHAM4800  I New group grpname created.
Explanation: A new group grpname has been created on the CSD.
System Action: Processing continues.
User Response: None.
Destination: Terminal End User
Module: DFHAMP

DFHAM4801  I New list lstname created.
Explanation: A new list lstname has been created on the CSD.
System Action: Processing continues.
User Response: None.
Destination: Terminal End User
Module: DFHAMP

DFHAM4802  E applid name is an invalid name.
Explanation: The name name in the command is invalid.
System Action: Processing continues.
User Response: Specify a valid name.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameters: applid, name

DFHAM4803  E applid Install failed because an existing definition for file filename could not be deleted.
Explanation: An attempt was made to install file filename. File filename already exists and cannot be deleted. This condition can occur if an existing file definition in an FCT or on the CSD, was installed as enabled or open.
System Action: The install fails.
User Response: Rectify the problem and try the install again.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameters: applid, filename

DFHAM4804  E applid Invalid LIST name listname.
Explanation: The GRPLIST parameter of the system initialization table (SIT) specifies a list name listname that contains characters unacceptable to RDO.
System Action: CICS issues the request ‘ENTER ALTERNATIVE NAME OR CANCEL’.
User Response: Enter a valid list name or enter ‘CANCEL’, correct the GRPLIST parameter in the SIT, and reinitialize CICS.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameters: applid, listname

DFHAM4805  E Unable to perform operation: name is locked to APPLID applid, OPID opid to prevent updating.
Explanation: An attempt has been made to lock, or update, a group or a list that is currently locked to another user.
System Action: Processing continues.
User Response: Enter the command when the group or the list is not locked.
Destination: Terminal End User
Module: DFHAMP

Note: A group and a list cannot coexist with the same name.

System Action: CICS issues the request ‘IS START-UP TO BE CONTINUED? REPLOY GO OR CANCEL’.
If you reply ‘GO’, CICS is initialized with all the valid definitions in the list.
DFHAM4808 E

Object already exists in this group.

Explanation: An attempt has been made to define an object in a group, but an object with the same name already exists.

System Action: The definition on the CSD is presented to the user to overtype.

User Response: Reenter the command with a different object name, or change the existing definition.

Destination: Terminal End User

Module: DFHAMP

XMEOUT Parameters: applid, grpname

DFHAM4809 E Date/time fields do not match (object updated by another user).

Explanation: The definition of an object on the CSD has been changed while the user was altering the definition.

System Action: Processing continues.

User Response: Reenter the command.

Destination: Terminal End User

Module: DFHAMP

DFHAM4810 E Object not found (deleted by another user).

Explanation: The definition of an object on the CSD has been deleted while the user was altering the definition.

System Action: Processing continues.

User Response: Determine why the definition has been deleted. Recreate and update the object if necessary.

Destination: Terminal End User

Module: DFHAMP

DFHAM4811 E applid name1 does not contain name2.

Explanation: The required object name2 could not be found on the CSD in group name1.

System Action: Processing continues.

User Response: Determine why the definition cannot be found.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: applid, name1, name2

DFHAM4814 E applid List name listname exists as a group name.

Explanation: The GRPLIST parameter of the system initialization table (SIT) specifies an invalid list name listname. CICS cannot find the list because a group of the same name already exists in the CSD.

Note: A group and a list cannot coexist with the same name.

System Action: CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

User Response: Enter a valid list name, or enter 'CANCEL', correct the GRPLIST system initialization parameter and reinitialize CICS.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: applid, listname

DFHAM4815 E Group grpname not found in this list.

Explanation: The AFTER/BEFORE name entered in the command could not be found in this list. The definition could have been deleted while the user was viewing the outcome of an EXPAND command.

System Action: Processing continues.

User Response: Reenter the command with a group name that exists on this list.

Destination: Terminal End User

Module: DFHAMP

DFHAM4816 E applid Unable to install group grpname - group not found.

Explanation: The GRPLIST parameter of the system initialization table (SIT) names a list that contains an unusable group name grpname. CICS cannot find group grpname because no resources are defined as belonging to it.

System Action: CICS issues the request ‘IS START-UP TO BE CONTINUED? REPLY GO OR CANCEL’.

If you reply ‘GO’, CICS is initialized with all the valid definitions in the list.

User Response: If you do not require group grpname, enter ‘GO’.

If group grpname is essential, enter ‘CANCEL’, and reinitialize CICS with a different GRPLIST name as a SIT override parameter. Then use the CEDA transaction to review and correct the faulty list.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: applid, grpname

DFHAM4820 S Unable to perform request - CSD full.

Explanation: The CSD file is full.

System Action: Processing continues.

User Response: Reenter the command when more space is available.

Destination: Terminal End User

Module: DFHAMP
DFHAM4821  S applid Unable to perform request - I/O error to CSD.
Explanation: An error occurred while the CSD file was being accessed during CICS initialization. This may be because the disk containing the CSD file was mounted incorrectly.
System Action: CICS terminates.
User Response: Retry the CICS initialization. If the problem persists, a hardware fault probably exists, and you should load a backup copy of the CSD.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameter: applid

DFHAM4823  S applid Unable to perform request - DFHCSD not open.
Explanation: The CSD file (DFHCSD) is not open.
System Action: Other processing continues.
User Response: Ask the master terminal operator to open the file. The DFHCSD is defined in the bringup JCL and/or in the SIT.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameter: applid

DFHAM4824  S applid Unable to perform request - Insufficient function in file definition for DFHCSD.
Explanation: During initialization, CICS has found a GRPLIST parameter in the SIT, but cannot access the CSD file because of an error in the file definition entry for DFHCSD.
The most likely cause of this error is an incorrectly coded CSDACC parameter in the SIT entry for DFHCSD.
System Action: CICS terminates.
User Response: Before the next CICS initialization, correct the error in the system initialization parameters for DFHCSD.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameter: applid

DFHAM4825  S applid Unable to perform request - File Control has returned an INVREQ response.
Explanation: The file control file request handler (DFHFCFR) does not have sufficient function to support the CEDA command entered.
System Action: The CEDA command is ignored.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameter: applid

DFHAM4826  S applid Unable to perform request - CSD corrupted or not initialized.
Explanation: During initialization, CICS finds a GRPLIST parameter in the SIT, but cannot access the CSD file because:
1. The CSD file has not been initialized, or
2. CSD initialization did not complete successfully, or
3. the CSD file has been corrupted.
System Action: CICS terminates.
User Response: If you have not used the CSD file before, initialize it using the offline utility, DFHCSDUP, and check the output listing from the utility for successful completion.
If you have used the CSD file before, it has probably been corrupted. In this case, load a backup copy of the CSD file and use it in place of the corrupted file.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameter: applid

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DFHAM4830 E  restype resname already exists in the target group.
Explanation: The COPY operation could not be performed, as a duplicate has been found in the target group.
System Action: The COPY command is ignored.
User Response: Reenter the command with the MERGE or the REPLACE option.
Destination: Terminal End User
Module: DFHAMP

DFHAM4831 E The new name name is longer than the four characters allowed for restype names.
Explanation: The specified name name is invalid because it is longer than four characters.
System Action: The command is ignored.
User Response: Enter a valid name.
Destination: Terminal End User
Module: DFHAMP

DFHAM4832 E applid Unable to open TDQUEUE tdqname because the DFHINTRA data set is not open.
Explanation: An attempt to install the transient data queue tdqname on the CICS system has been rejected because the DFHINTRA data set is not open.
System Action: Processing continues. The definition is not installed.
User Response: It is not possible to install intrapartition definitions on a system that does not have a DFHINTRA data set defined and opened. If DFHINTRA has been defined, it may have failed to open during initialization. It is necessary to repair the data set and restart the system in order to open it.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameters: applid, tdqname

DFHAM4833 E applid A security error has occurred while attempting to install TDQUEUE tdqname. The definition has not been installed.
Explanation: An attempt to install the transient data queue tdqname on the CICS system has been rejected because of an error encountered while performing a security check for the userid included within the definition.
System Action: Processing continues. The definition is not installed.
User Response: Refer to the associated messages issued by the security manager for further guidance. Reinstall the definition once the error has been corrected.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameters: applid, tdqname

DFHAM4834 E applid Install of (TDQUEUE | PROCESSTYPE) resourcename failed because the installed definition is not disabled.
Explanation: An attempt to install the resource resourcename on the CICS system has failed because the resource is not disabled.
System Action: Processing continues. The definition is not installed.
User Response: The specified resource must be disabled before it can be installed. Ensure that the resource is in the required state and then install the new definition.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameters: applid, (1=TDQUEUE, 2=PROCESSTYPE), resourcename

DFHAM4835 E applid Install of TDQUEUE tdqname failed because the queue has already been defined to the system, and initialization is still in progress.
Explanation: An attempt to install the transient data queue tdqname on the CICS system has failed because the queue has already been defined to the system and initialization has not completed.
It is not possible to replace a TD resource definition while CICS is still initializing. This problem only occurs during a cold or initial start of the system where both DCT macro and RDO definitions are being used, or where more than one group is being installed as part of GRPLIST processing.
System Action: Processing continues. The definition is not installed.
User Response: Remove one of the entries from the macro definition or RDO group so that the failure does not recur on a subsequent cold or initial start.
Destination: Console and Terminal End User
Module: DFHAMTD
XMEOUT Parameters: applid, tdqname

DFHAM4836 E applid Install of DB2CONN db2conn-name failed because a DB2CONN is already installed and is in use.
Explanation: An attempt to install the DB2CONN db2conn-name on the CICS system has failed because there is an existing DB2CONN installed and it is in use by the CICS-DB2 adapter.
System Action: Processing continues. The definition is not installed.
User Response: Only one DB2CONN can be installed on the CICS system at a time. The install of a second DB2CONN implies the discarding of the first DB2CONN and all its associated DB2ENTRYs and DB2TRANs.
A DB2CONN definition can be replaced or discarded only when it is not in use by the CICS-DB2 adapter. Ensure that the CICS-DB2 interface has been stopped before trying to install a DB2CONN definition.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameters: applid, db2conn-name
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DFHAM4837 E applid Install of { DB2ENTRY | DB2TRAN } name failed because a DB2CONN is not installed.

Explanation: An attempt to install the DB2ENTRY or DB2TRAN name on the CICS system failed because there is no DB2CONN installed. DB2TRANs and DB2ENTRYs can be installed only after a DB2CONN has been installed.

System Action: Processing continues. The definition is not installed.

User Response: Install a DB2CONN definition and then retry the install of the DB2ENTRY or DB2TRAN.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: applid, {1=DB2ENTRY , 2= DB2TRAN }, name

DFHAM4838 E applid Install of DB2ENTRY db2entry-name failed because an existing definition could not be deleted. The existing definition is not disabled.

Explanation: An attempt to install the DB2ENTRY db2entry-name on the CICS system has failed because there is an existing DB2ENTRY of the same name which is not in a disabled state.

System Action: Processing continues. The definition is not installed.

User Response: Existing DB2ENTRY definitions can be replaced only when the DB2ENTRY is in a disabled state. Issue a command to disable the DB2ENTRY and then retry the install.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: applid, db2entry-name

DFHAM4839 E applid List listname not found.

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter, but CICS cannot find the list listname in the CSD file.

System Action: CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

User Response: Enter a valid list name.

If no suitable user-defined list exists, you can initialize a minimum-function system with GRPLIST=DFHLIST, then use the CEDA transaction to review and correct the faulty list, to install the required group, and to rebuild a suitable list. Finally, cancel CICS, correct the GRPLIST parameter in the SIT, and reinitialize CICS.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: applid, listname

DFHAM4840 W Group grpname not appended - group already exists in target list.

Explanation: The group grpname already exists in the target list.

System Action: The group definition is not appended.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4841 E applid Install failed because definition of restype resname is in use by task no. taskno (transaction id. tranid).

Explanation: An attempt was made to install object definition restype resname on the CICS system, but the installation failed because the object was in use.

System Action: No definitions have been installed.

User Response: Try the command again later.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: applid, restype, resname, taskno, tranid

DFHAM4842 E applid Install failed because restype resname is currently in use.

Explanation: An attempt was made to install object definition restype resname on the CICS system, but the installation failed because the object was in use.

System Action: No definitions have been installed.

User Response: Try the command again later.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: applid, restype, resname

DFHAM4843 W applid ttttttt nnnnnnnn is internally locked to OPID opid APPLID applid.

Explanation: The identified group or list ttttttt is internally locked to operator opid on CICS system applid when an install is attempted. This could occur at a cold or initial start when the CSD is shared between several CICS regions and operations on that group or list are incomplete.

System Action: The install continues.

User Response: Check that the installed definitions correspond to your requirements.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: applid, ttttttt, nnnnnnnn, opid, applid

DFHAM4844 W restype resname1 in group grpname1 has the same name as a restype later in group grpname2.

Explanation: The CHECK command encountered a duplicate object name.

System Action: None in the CHECK command, but the earlier definition will be ignored when the definitions are installed, because they both belong to the same CICS table in which duplicate entries may not exist.

User Response: Determine why the duplicate condition exists and rectify it if necessary.

Destination: Terminal End User

Module: DFHAMP
DFHAM4845 W restype1 resname1 referenced by restype2 resname2 in group grpname cannot be found.

Explanation: The CHECK command found a reference in a transaction definition to an object definition that does not exist.

System Action: None in the CHECK command, but errors may occur if that definition is installed and used.

User Response: Determine why the object definition cannot be found and rectify it if necessary.

Destination: Terminal End User
Module: DFHAMP

DFHAM4846 W The xxxxxxxx of transaction tranid1 in group grpname duplicates that of transaction tranid2 in group grpname.

Explanation: The CHECK command found a transaction definition with the same alias as another transaction.

System Action: No system action occurs for the CHECK command. However, errors may occur if that definition is installed and used.

User Response: Determine why the duplicate situation occurs and rectify it if necessary.

Destination: Terminal End User
Module: DFHAMP

DFHAM4847 W RELOAD(YES) has been specified for non-RPG program progrname referenced by transaction tranid in group grpname.

Explanation: The CHECK command found a transaction definition that referenced a non-RPG II program for which RELOAD=YES was specified.

System Action: If the definition is installed, CICS will not release storage for the first program invoked by a transaction unless the language is RPG II.

User Response: Specify RELOAD (NO).

Destination: Terminal End User
Module: DFHAMP

DFHAM4848 W Program progrname in group grpname specifies language RPG which is not supported on CICS.

Explanation: The CHECK command, executing under CICS Transaction Server for OS/390 encountered an RPG II program definition. RPG II is not supported on CICS.

System Action: If the definition is installed, the program language is overwritten.

User Response: Change the language as appropriate.

Destination: Terminal End User
Module: DFHAMP

DFHAM4849 W NETNAME netname of (CONNECTION | TERMINAL) rsrcname1 in group grpname1 duplicates that of (CONNECTION | TERMINAL) rsrcname2 in group grpname2.

Explanation: The CHECK command found a connection or terminal definition with a NETNAME that is the same as the NETNAME defined in another connection or terminal definition.

System Action: None in the CHECK command. However, it is not possible to install two terminals or a terminal and a connection with the same NETNAME. Also, you cannot have two or more APPC links with the same NETNAME, an APPC link and an LUTYPE6.1 link with the same NETNAME or two or more IRC connections with the same NETNAME.

User Response: Determine why the duplication exists and rectify the problem.

Destination: Terminal End User
Module: DFHAMP

DFHAM4850 E applid Install of DB2TRAN db2tran-name failed because DB2ENTRY db2entry-name to which it refers has not been installed.

Explanation: An attempt to install the DB2TRAN db2tran-name on the CICS system has failed because the DB2ENTRY to which it refers, db2entry-name, has not been installed.

System Action: Processing continues. The definition is not installed.

User Response: Ensure that the name of DB2ENTRY in the DB2TRAN definition is correct. Install the necessary DB2ENTRY definition first then retry the install of the DB2TRAN.

Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameters: applid, db2tran-name, db2entry-name

DFHAM4851 E applid Install of/ DB2ENTRY | DB2TRAN | DB2CONN |name failed because of a security error.

Explanation: An attempt to install the DB2CONN, DB2ENTRY, or DB2TRAN name on the CICS system has been rejected because of an error encountered while performing a security check.

System Action: Processing continues. The definition is not installed.

User Response: See the associated messages issued by the security manager for further guidance. Correct the error. Then reinstall the definition.

Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameters: applid, {DB2ENTRY , DB2TRAN , DB2CONN }, name

DFHAM4852 W restype name resname begins with ‘DFH’. Such names are reserved and may be redefined by CICS.

Explanation: A name beginning with DFH was specified.

System Action: If the definition is installed, errors may occur.

User Response: Names beginning with “DFH” are reserved and may be redefined by CICS. You should avoid starting names with “DFH”.

Destination: Terminal End User
Module: DFHAMP
DFHAM4853 E applid Install of DB2TRAN db2tran-name failed because another DB2TRAN is installed with the same transid.

Explanation: An attempt to install the DB2TRAN db2tran-name on the CICS system has failed because there is another DB2TRAN installed that specifies the same transid. You cannot install two DB2TRANs that specify the same transid.

System Action: Processing continues. The definition is not installed.

User Response: Examine the installed DB2TRAN definitions using inquire DB2TRAN commands to determine the name of the DB2TRAN specifying the same transid. If appropriate, discard that DB2TRAN and then reinstall this DB2TRAN.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: applid, db2tran-name

DFHAM4854 W The specified (GROUP | LIST) contains objtype objects but no restype found.

Explanation: The specified GROUP or LIST contains objects that need a resource type of restype but no such resource type is listed in the GROUP or LIST.

System Action: Processing continues.

User Response: This may not be an error, but ensure that the resource type restype is installed before installing the GROUP or LIST.

Destination: Terminal End User

Module: DFHAMP

DFHAM4855 W DVSUPRT(VTAM) must be specified for PROFILE profname referenced by transaction tranid in group grpname.

Explanation: The CHECK command found a definition for a CICS-supplied transaction tranid without DVSUPRT(VTAM) specified in profile profname.

System Action: Unpredictable results occur if the definition is installed and used.

User Response: Specify DVSUPRT(VTAM).

Destination: Terminal End User

Module: DFHAMP

DFHAM4856 W INBFMH(ALL) must be specified for PROFILE profname referenced by transaction tranid in group grpname.

Explanation: The CHECK command found a definition for a CICS-supplied transaction tranid without INBFMH(ALL) specified in profile profname.

System Action: The system abnormally terminates with abend code AXFO if the definition is installed and used.

User Response: Specify INBFMH(ALL).

Destination: Terminal End User

Module: DFHAMP

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Module: DFHAMP

DFHAM4857 W The specified (GROUP | LIST) contains more than one objtype.

Explanation: The specified GROUP or LIST contains more than one resource type objtype.

System Action: Processing continues.

User Response: Remove the duplication.

Destination: Terminal End User

Module: DFHAMP

DFHAM4858 S applid Unable to perform request - DFHCSD not enabled.

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter, but CICS cannot use the CSD file because it is disabled.

System Action: CICS terminates.

User Response: If you want to use the CSD file, check the system initialization parameters for DFHCSD and your JCL before the next CICS initialization.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: applid

DFHAM4859 S applid Unable to perform request - The CSDSTRNO operand in the System Initialization Table (SIT) is too small.

Explanation: Insufficient VSAM strings are available to allow CEDA to proceed.

System Action: No CEDA commands may be executed.

User Response: Wait until other CEDA users have terminated their sessions, or specify a CSDSTRNO value of twice the number of concurrent CEDA transactions in the SIT.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: applid

DFHAM4860 W The specified LIST contains DB2ENTRY or DB2TRAN definitions before a DB2CONN definition.

Explanation: The specified LIST contains DB2ENTRY and/or DB2TRAN definitions in a group containing no DB2CONN definition. No DB2CONN definition precedes it in the list.

System Action: Processing continues.

User Response: A DB2CONN definition must be installed before DB2ENTRY and DB2TRAN definitions can be successfully installed. Ensure a DB2CONN definition is placed in a group before all DB2ENTRY and DB2TRAN definitions in the list, or in the first group in the list containing DB2ENTRYs or DB2TRANs.

Destination: Terminal End User

Module: DFHAMP
DFHAM4861 W XTRANID of transaction \textit{tranid} in group \textit{grpname} duplicates transaction ID \textit{tranid} in group \textit{grpname}.

Explanation: The check command found a transaction \textit{tranid} in group \textit{grpname} whose XTRANID duplicated a previous transaction ID.

System Action: No system action occurs for the CHECK command. However, the alias is ignored if the definitions are installed.

User Response: Determine why the duplication exists and rectify the problem.

Destination: Terminal End User

Module: DFHAMP

DFHAM4862 W transaction ID \textit{tranid} in group \textit{grpname} duplicates XTRANID of transaction \textit{tranid} in group \textit{grpname}.

Explanation: The check command found a transaction \textit{tranid} in group \textit{grpname} whose XTRANID duplicated a previous transaction ID.

System Action: No system action occurs for the CHECK command. However, the first transaction in the message is ignored if the definitions are installed.

User Response: Determine why the duplication exists and rectify the problem.

Destination: Terminal End User

Module: DFHAMP

DFHAM4863 I \textit{name} is now locked. No group or list of that name exists.

Explanation: The LOCK command executed successfully, but no group or list of name \textit{name} was found on the CSD file.

System Action: The name is locked.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4864 S \textit{applid} Unable to perform operation - DFHCSD currently accessed by another user.

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter. However, CICS cannot get read access to the CSD file because another region is accessing it, and the CSD cluster is defined to VSAM with SHAREOPTIONS(1).

System Action: CICS terminates.

User Response: To avoid a recurrence of this problem, recreate the CSD file specifying SHAREOPTIONS(2). See the CICS System Definition Guide for further details.

Destination: Console and Terminal End User

Module: DFHAMP

DFHAM4865 S \textit{applid} Unable to perform operation - DFHCSD cannot be opened.

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter, but CICS cannot use the CSD file for one of the following reasons:

1. The startup JCL does not contain the definition of the CSD file (DFHCSD).
2. The DDNAME or data set name of the CSD file is incorrectly coded in the startup JCL.
3. VSAM has diagnosed that the CSD file cannot be opened.
4. CICS file control cannot open DFHCSD because insufficient storage has been allocated by the job REGION= parameter.

System Action: CICS terminates.

User Response: The action to solve the problem depends on the cause as follows:

1. Correct the JCL.
2. Correct the JCL.

Destination: Terminal End User

Module: DFHAMP

DFHAM4866 E Unable to perform operation: \textit{name} is IBM protected.

Explanation: The user has attempted to change the contents of a group or list whose name begins with 'DFH'. These are IBM-protected.

System Action: The command is not executed.

User Response: You can copy from IBM-supplied groups or lists and change the copied group or list.

Destination: Terminal End User

Module: DFHAMP

DFHAM4867 E File name DFHCSD is reserved and must not be modified.

Explanation: You cannot define the CSD on the CSD itself.

System Action: The command is not executed.

User Response: Define DFHCSD via SIT options.

Destination: Terminal End User

Module: DFHAMP

DFHAM4868 W The LSRPOOLID of the LSRPOOL \textit{lsrname} in group \textit{grpname} duplicates that of LSRPOOL \textit{lsrname} in group \textit{grpname}.

Explanation: When invoking the CEDA CHECK command, an LSRPOOL definition \textit{lsrname} in group \textit{grpname} was found which duplicated the LSRPOOLID of another LSRPOOL.

System Action: Processing continues.

User Response: Determine why the duplication exists and rectify the problem.

Destination: Terminal End User

Module: DFHAMP
DFHAMP4869 E Single resource install of restype resname in
group grpname is not allowed.
Explanation: The install of restype resname is not allowed via
single resource install. It must be installed via group install.
System Action: The command is not executed.
User Response: Install group grpname via group install.
Destination: Terminal End User
Module: DFHAMP

DFHAMP4870 E applid Install failed for program proname -
language RPG is not supported under MVS.
Explanation: The GRPLIST parameter of the system initialization
table (SIT) names a list in which a group contains a program
proname that was defined with LANGUAGE(RPG).
System Action: CICS initialization continues. The definition in
error is ignored.
User Response: Redefine program proname with the correct
LANGUAGE definition.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameters: applid, proname

DFHAMP4871 W applid File filename has been installed but set
filename failed.
Explanation: Setting DSNNAME and ENABLED takes place
separately from the main part of INSTALL for a FILE, and can fail.
System Action: The file is installed but its state is not set.
User Response: Use the CEMT SET FILE command.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameters: applid, filename, filename

DFHAMP4872 S applid Unable to connect to CICS catalog.
Explanation: DFHAMP was unable to connect to the CICS
catalog for terminal installs.
System Action: CICS terminates.
User Response: You need further assistance from IBM to resolve
this problem. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameter: applid

DFHAMP4873 S applid Unable to disconnect the CICS catalog.
Explanation: DFHAMP was unable to disconnect the CICS
catalog for terminal installs.
System Action: CICS terminates.
User Response: You need further assistance from IBM to resolve
this problem. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameter: applid

DFHAMP4874 E applid Install of (TSMODEL | ENQMODEL)
rsrce-name1 failed because (PREFIX | ENQNAME)
attribute-name already exists in (TSMODEL | ENQMODEL) rsrce-name2.
Explanation: An attempt to install the resource rsrce-name1 on
the CICS system has failed because the attribute attribute-name
already exists in the installed resource rsrce-name2.
If the resource being installed is an ENQMODEL, another
ENQMODEL with the same or a more generic nested enqname is
installed and enabled.
System Action: Processing continues. The definition is not
installed.
User Response: If you are sure you need to install resource
rsrce-name1 you need to discard resource rsrce-name2 before
attempting the re-install.
Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameters: applid, {2=TSMODEL, 3=ENQMODEL},
rsrce-name1, {2=PREFIX, 3=ENQNAME}, attribute-name,
{2=TSMODEL, 3=ENQMODEL}, rsrce-name2

DFHAMP4875 E Unable to perform operation: name is currently
being updated by APPLID applid OPID opid - please retry later.
Explanation: The command which you issued cannot be
performed because another user of CEDA is currently changing the
contents of the group/list to which you referred.
System Action: The command is not executed.
User Response: Try the command again.
Destination: Terminal End User
Module: DFHAMP

DFHAMP4876 W PARTNER partnername specifies NETNAME
netname which is not found in any CONNECTION
definition that specifies access method = VTAM.
Explanation: There is no VTAM connection within the current
group for the netname referenced in the specified partner.
System Action: Other processing continues.
User Response: None.
Destination: Terminal End User
Module: DFHAMP

DFHAMP4877 W PARTNER partnername specifies a NETNAME
and PROFILE for which there is no common implied
SESSIONs definition.
Explanation: The netname in a partner definition implies an
associated connection definition which is in turn associated with a
session definition. The profile definition referenced in a partner
definition specifies a modename which can be associated with a
sessions definition.
Within the current group, there is no common sessions definition
implied by the specified partner definition.
System Action: Other processing continues.
User Response: None.
Destination: Terminal End User
Module: DFHAMP
DFHAM4879  W (GROUP | LIST) name has been partially installed.

Explanation: During the execution of an INSTALL command for the group or list name, some of the elements in the group or list installed successfully, but at least one failed.

System Action: Messages are produced indicating why the element or elements failed to install.

User Response: Use the messages already produced to determine why the install failed and to rectify the problem.

Destination: Terminal End User
Module: DFHAMP

DFHAM4880  S applid Unable to perform operation - not allowed by file attributes for DFHCSD.

Explanation: The CSDACC parameter in the system initialization table for DFHCSD does not allow CEDA to complete the command entered. The CSDACC parameter specifies the type of access permitted to the file. This can be one of the following:

READWRITE
READONLY

In order for a particular command to function, the access must be set appropriately.

System Action: The CEDA command is ignored.

User Response: Correct the CSDACC parameter in the SIT. The DFHCSD is defined in the bringup JCL and/or in the SIT.

Destination: Console and Terminal End User
Module: DFHAMP
XMEOUT Parameter: applid

DFHAM4881  I Group name deleted.

Explanation: The Group grpname has been deleted from the CSD.

System Action: Processing continues.

User Response: Check that the deleted group is not present on any list.

Destination: Terminal End User
Module: DFHAMP

DFHAM4882  W The (TPNAME | XTPNAME) of transaction tranid in group grpname duplicates the (TPNAME | XTPNAME) of transaction tranid in group grpname.

Explanation: The CHECK command found a transaction whose XTPNAME matches the TPNAME of another transaction.

System Action: No system action occurs for the CHECK command, but the XTPNAME or TPNAME for the first transaction in the message is ignored if the definitions are installed.

User Response: Determine why the duplication exists. To rectify the problem, rename either the TPNAME or the XTPNAME.

Destination: Terminal End User
Module: DFHAMP

DFHAM4883  I List listname deleted.

Explanation: The List listname has been deleted from the CSD.

System Action: Processing continues.

User Response: Ensure that the deleted list is not used at a cold or initial start as the GRPLIST DFHSIT parameter.

Destination: Terminal End User
Module: DFHAMP

DFHAM4884  S restype name resname is reserved by CICS.

Explanation: The name resname you have selected for resource type restype is reserved by CICS and cannot be user defined.

System Action: The command is rejected.

User Response: Redefine resname and resubmit the command.

Destination: Terminal End User
Module: DFHAMP

DFHAM4886I applid Installing list listname which matches specified generic list genlist.

Explanation: The GRPLIST parameter of the system initialization table (SIT) specifies a list name genlist that contains generic characters. While searching the CSD file, the list name listname was found to match the specified generic list.

System Action: The list name listname is installed.

User Response: None.

Destination: Console
Module: DFHAMP
XMEOUT Parameters: applid, listname, genlist

DFHAM4887  I applid Unrecognized resource type found in the CSD file and has been ignored.

Explanation: CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System Action: The resource is ignored and the operation continues.

User Response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console and Terminal End User
Chapter 1. DFH messages

DFHAM4888  I  Group groupname removed from list listname.
Explanation: During the execution of a DELETE command, the group groupname was deleted from the CSD. As a result of that, the list listname was updated to remove the deleted group from it.
System Action: Processing continues.
User Response: None.
Destination: Terminal End User
Module: DFHAMP

DFHAM4889  E  applid Install of (JOURNALMODEL | TSMODEL) resourcename failed because attribute attname is invalid.
Explanation: An attempt to install object definition JOURNALMODEL/TSMODEL resourcename on the CICS system failed because the attribute attname specified is not correct.
System Action: The definition is not installed.
User Response: Correct the invalid parameter of the resource definition.
Destination: Console and Terminal End User
Module: DFHAMP

DFHAM4890  E  applid Install of TDQUEUE tdqname failed because the TYPE has not been specified.
Explanation: An attempt to install the named TDQUEUE tdqname on the local CICS system failed because it has been defined with the REMOTE SYSTEM attribute and the TYPE cannot be determined.
System Action: The definition is not installed.
User Response: Make the definition a dual purpose one by specifying both REMOTE attributes and TYPE.
Destination: Console and Terminal End User
Module: DFHAMP

DFHAM4891  W  restype name resname begins with 'C'. Such names are reserved and may be redefined by CICS.
Explanation: A resource name starting with C was specified. Names starting with C are reserved and may be redefined by CICS.
System Action: If the definition is installed, errors may occur.
User Response: Specify a different resource name.
Destination: Terminal End User
Module: DFHAMP

DFHAM4892  W  date time applid Install for group grpname has completed with errors.
Explanation: The install of group grpname is now complete. All resources that are valid for installation have been installed, and recorded if appropriate, on the CICS catalog. There were errors during the installation of some resources in the group and these resources have been backed-out.
System Action: CICS continues. CICS issues messages identifying the cause of each installation failure.
User Response: Use the associated messages, available via the messages panel if CEDA is being used, or issued to transient data queues CSMT and CADL during system startup, to determine the cause of the errors. Once the cause of the errors has been eliminated, reinstall the group to install the missing definitions.
Destination: CADL
Module: DFHAMP

DFHAM4893  I  date time applid Install for group grpname has completed successfully.
Explanation: The install of group grpname is now complete. All resources that are valid for installation have been installed, and recorded if appropriate, on the CICS catalog.
System Action: CICS continues
User Response: None
Destination: CADL
Module: DFHAMP

DFHAM4894  E  applid Install of (ENQMODEL) rscrename1 failed because installed (ENQMODEL) rscrename2 is not disabled.
Explanation: An attempt to install the resource rscrename1 on the CICS system has failed because the resource rscrename2 is already installed and is not disabled.
System Action: Processing continues. The definition is not installed.
User Response: Resource rscrename2 must be disabled or discarded before resource rscrename1 can be installed. Ensure that resource rscrename2 is in the required state and then install the new definition.
Destination: Console and Terminal End User
Module: DFHAMP

DFHAM4895  E  applid Install of TSMODEL resourcename in group groupname failed because TS was started using an assembled TST without the MIGRATE option.
Explanation: An attempt to install the TSMODEL resource name in group groupname on the CICS system has failed because the system was started using an assembled TST without the MIGRATE option.
System Action: Processing continues. The definition is not installed.
User Response: If you want to install TSMODELs using RDO then either start CICS with a TST assembled with the
DFHAM4896 E applid Install of TDQUEUE tdqname failed because the queue is not closed.
Explanation: An attempt to install the transient data queue tdqname on the CICS system has failed because the data set associated with this extrapartition TD queue is not closed.
System Action: Processing continues. The definition is not installed.
User Response: Intrapartition queues must be disabled, and extrapartition queues must be disabled and closed before they can be redefined. Ensure that the queue is in the required state and then install the new definition.
Destination: Console and Terminal End User
Module: DFHAM
XMEOUT Parameters: applid, resourcename, groupname

DFHAM4897 W applid The definition of {TDQUEUE | TCPIPSERVICE} resourcename specified {OPENTIME=INITIAL | STATUS=OPEN} but the open failed.
Explanation: An attempt to install the resource resourcename on the CICS system has succeeded but the resource cannot be opened.
System Action: The definition is installed.
User Response: Determine the cause of the failure and then open the resource.
Destination: Console and Terminal End User
Module: DFHAM
XMEOUT Parameters: applid, {1=TDQUEUE, 7=TCPIPSERVICE}, resourcename, {1=OPENTIME=INITIAL, 7=STATUS=OPEN}

DFHAM4898 E applid Installation of {TDQUEUE | PROCESSTYPE} resourcename failed because of insufficient storage.
Explanation: An attempt to install the resource resourcename on the CICS system has failed because insufficient storage is available to build the entry.
System Action: The definition is not installed.
User Response: Inform your system programmer. See the CICS Problem Determination Guide for guidance on dealing with storage problems.
Destination: Console and Terminal End User
Module: DFHAM
XMEOUT Parameters: applid, {1=TDQUEUE, 2=PROCESSTYPE}, resourcename

DFHAM4899 E applid TDQUEUE tdqname cannot be replaced because the existing definition is for a different queue type.
Explanation: An attempt to install the transient data queue tdqname on the CICS system failed because its definition type is different from that of the definition already defined to the system.
System Action: The definition is not installed.
User Response: Either change the new definition so that it has the same type as the one currently installed on the system, or discard the current definition and then install the new one.
Destination: Console and Terminal End User
Module: DFHAM
XMEOUT Parameters: applid, tdqname

DFHAM4901 E applid Install of REQUESTMODEL resourcename1 failed because a duplicate pattern already exists in resourcename2. Current patterns are: OMGMODULE: Omgmodule OMGINTERFACE: Omginterface OMGOPERATION: Omgoperation TRANID: Tranid.
Explanation: An attempt to install the resource resourcename1 on the CICS system has failed because a duplicate pattern has been found in resourcename2.
System Action: The definition is not installed.
User Response: Verify the patterns being installed for resource resourcename1 against those for resourcename2 before re-trying the install.
Destination: Console and Terminal End User
Module: DFHAMOP
XMEOUT Parameters: applid, resourcename1, resourcename2, Omgmodule, Omginterface, Omgoperation, Tranid

DFHAM4903 E applid Install for TCPIPSERVICE tcpipservice has failed because the service is open.
Explanation: The install of TCPIPSERVICE tcpipservice has failed because the service is open.
System Action: The install fails.
User Response: Close the service and retry the install.
Destination: Console and Terminal End User
Module: DFHAM
XMEOUT Parameters: applid, tcpipservice

DFHAM4904 W applid Opening TCPIPSERVICE tcpipservice has failed because port portno is already in use.
Explanation: Opening TCPIPSERVICE tcpipservice has failed because the specified port number is in use.
System Action: The resource is installed but left in the closed state. Message DFHSO0109 is issued to the transient data queue CISOO.
User Response: Check that the port number specified is not already in use. Refer to the description of the message DFHSO0109 for more information.
Destination: Console and Terminal End User
Module: DFHAM
XMEOUT Parameters: applid, tcpipservice, portno
Chapter 1. DFH messages

DFHAM4905 E applid Install failed for resource. Option opt is not available on this system.

Explanation: The install of the resource resource has failed because the current CICS system has not been configured to support the specified option opt.

System Action: The install fails.

User Response: Reconfigure the CICS system by specifying appropriate system initialization parameters to support the specified option. Then restart CICS.

Destination: Console and Terminal End User

Module: DFHAMDH

XMEOUT Parameters: applid, resource, opt

DFHAM4906 W applid Opening TCPIService tcpipservice has failed because port portno is not authorized.

Explanation: Opening TCPIService tcpipservice has failed because the specified port number is not authorized.

System Action: The resource is installed and left in the closed state. The message DFHSo0111 is written to the transient data queue CSO0.

User Response: Select a port that is authorized. See the description of message DFHSo0111 for more information.

Destination: Console and Terminal End User

Module: DFHAMDH

XMEOUT Parameters: applid, tcpipservice, portno

DFHAM4907 W applid Opening TCPIService tcpipservice has failed because the IP address is not known.

Explanation: Opening TCPIService tcpipservice has failed because the specified IP address is not known.

System Action: The resource is installed but left in the closed state. The message DFHSo0110 is written to the transient data queue CSO0.

User Response: Select an IP address which is known. Refer to the description of message DFHSo0110 for more information.

Destination: Console and Terminal End User

Module: DFHAMDH

XMEOUT Parameters: applid, tcpipservice

DFHAM4908 E applid Install of DOCTEMPLATE doctemplate1 failed because TEMPLATENAME(template) already exists in DOCTEMPLATE doctemplate2.

Explanation: The install of DOCTEMPLATE doctemplate1 has failed because the TEMPLATENAME selected is already in use as the full template name for document template doctemplate2.

System Action: The install fails.

User Response: Either select a different TEMPLATENAME for doctemplate1, or discard the document template definition for doctemplate2.

Destination: Console and Terminal End User

Module: DFHAMDH

XMEOUT Parameters: applid, doctemplate1, template, doctemplate2

DFHAM4909 E applid Install of DOCTEMPLATE doctemplate failed. DDNAME(ddname) not found.

Explanation: The install of DOCTEMPLATE doctemplate has failed because the DDNAME(ddname) selected is not the name of a Data Definition statement for a partitioned dataset in the JCL for the current CICS job. ddname should be allocated to a PDS containing document templates to be used by the Document Handler domain.

System Action: The install fails.

User Response: Either select a DDNAME that does exist in the JCL for the current CICS job, or stop and restart CICS with the required DD statement added.

Destination: Console and Terminal End User

Module: DFHAMDH

XMEOUT Parameters: applid, doctemplate, ddname

DFHAM4910 E applid Install of DOCTEMPLATE doctemplate failed. MEMBER(membername) not found in datasetname.

Explanation: The install of DOCTEMPLATE doctemplate has failed because member membername was not found in the partitioned dataset datasetname.

System Action: The install fails.

User Response: Ensure that member membername exists in the template library before installing the DOCTEMPLATE That references it.

Destination: Console and Terminal End User

Module: DFHAMDH

XMEOUT Parameters: applid, doctemplate, membername, datasetname

DFHAPxxxx messages

DFHAP0001 applid An abend (code aaa/bbbb) has occurred at offset X’offset’ in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code.

Alternatively:
- Unexpected data has been input,
- Storage has been overwritten, or
- There has been a program check within a user program.

The code aaa is, if applicable, a 3-digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code bbbb, which follows aaa, is a user abend code produced either by CICS or by another product on the user's system.

If X’offset’ contains the value X’FFFF’, then module modname was in control at the time of the abend, but the program status word (PSW) was not addressing this module.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.
**DFHAP0002**

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer.

Look up the MVS code *aaa*, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

If the *modname* insert contains the value *???*, then CICS was unable to determine which module has abnormally terminated. In this case, examine the system dump to determine which area of code has caused the program check.

The user should examine other messages to determine what the module which issued this message was doing at the time the error occurred. From these messages they can deduce which product has produced the abend code *bbb*. If *bbb* is identified as a CICS code, it may be either alphameric or numeric.

- If the CICS code is alphameric (for example AKEA) then it is a CICS transaction abend code.
- If the CICS code is numeric (for example 1310), it refers to a CICS message (DFHTS1310 in our example).

If the user abend code is from another product (for example, IMS), refer to the appropriate messages and codes manual to determine the cause of the abend.

The entries in the appropriate manuals will give the user guidance regarding the nature of the error, and may also give some guidance concerning the appropriate user response.

**Note:** The program check may have occurred in a user program. If this is the case, the program check is usually followed by an ASRA or an ASRB transaction abend and a transaction dump.

If you want to suppress system dumps that precede ASRA and ASRB abends, you must specify this on an entry in the dump table, using either CEMT or an EXEC CICS command. Further guidance on suppressing system dumps can be found in the **CICS System Definition Guide**.

You may need further assistance from IBM to resolve this problem. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHABAB, DFHAFMT, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPlC, DFHAPlI, DFHAPSl, DFHAPSm, DFHAPSt, DFHAptI, DFHAPTm, DFHAPTx, DFHApxM, DFHApxME, DFHCvJM, DFhDKM, DFhERm, DFhEISr, DFHICXM, DFHCvPG, DFHSPlT, DFHSStD, DFHSStFC, DFHSStJC, DFHSStLK DFHSStLS, DFHSStSZ, DFHSStTD, DFHSStMM, DFHSStTr, DFHSStTS, DFHSuxE, DFHSUXZ, DFHTMP, DFHTDXM, DFHVEH, DFHXXCPA, DFHXXSWM, DFH2CUT

**XMEOUT Parameters:** applid, X'code', modname

If this message is issued from DFHAPEX or DFHSUXE, and the exit point is XDUREQ, then a system dump is not taken in order to prevent recursive dumping.

**Either** this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system administrator. This failure indicates a serious error in CICS. If you have not requested termination in the dump table, you may want to terminate CICS.

For further information about CICS exception trace entries, see the **CICS Problem Determination Guide**.

You need further assistance from IBM to resolve this problem. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHABAB, DFHAFMT, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPJC, DFHAPLI, DFHAPSl, DFHAPSm, DFHAPSt, DFHAPtI, DFHAPTm, DFHAPTx, DFHApxM, DFHApxME, DFHCvJM, DFhDKM, DFhERm, DFhEISr, DFHICXM, DFHCvPG, DFHSPlT, DFHSStD, DFHSStFC, DFHSStJC, DFHSStLK DFHSStLS, DFHSStSZ, DFHSStTD, DFHSStMM, DFHSStTr, DFHSStTS, DFHSuxE, DFHSUXZ, DFHTMP, DFHTDXM, DFHVEH, DFHXXCPA, DFHXXSWM, DFH2CUT

**XMEOUT Parameters:** applid, X'code', modname

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**DFHAP0003 applid Insufficient storage (code X'code') in module modname.**

**Explanation:** A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected.

**System Action:** An exception entry is made in the trace table (code X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMD). A message will be issued to this effect. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Inform the system programmer.

Try increasing the size of the DSA or EDSA. See the **CICS Problem Determination Guide** or the **CICS Customization Guide** for further information on controlling CICS storage.

You may need further assistance from IBM to resolve this problem. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHAPDM, DFHAPSl

**XMEOUT Parameters:** applid, X'code', modname
**DFHAP0004 applid** A possible loop has been detected at offset X‘offset‘ in module modname.

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X‘offset‘. This is the offset of the instruction which was executing at the time the error was detected.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If this message is issued from DFHAPEX or DFHSAUEX, and the exit point is XDUREQ, then a system dump is not taken in order to prevent recursive dumping.

**Either** this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

**Or** CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module modname will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHZCUT

**XMEOUT Parameters:** applid, modname, X‘code’

**DFHAP0100 applid Suffixixed module modname cannot be loaded. Enter new suffix, ‘YES’(unsuffixed), ‘NONE’(dummy), or ‘CANCEL’**

**Explanation:** During AP domain initialization, a suffixed CICS module or table could not be loaded.

**System Action:** The AP domain initialization routines wait for the operator to:

- Enter an alternative two-character suffix,
- Enter ‘YES’ to request the unsuffixed version,
- Enter ‘NONE’ to request that a dummy version of the program or table be loaded, or
- Enter ‘CANCEL’.

If ‘CANCEL’ is entered, CICS is abnormally terminated at the end of the nucleus process.

**User Response:** Determine whether the suffix is correct. If it is not, enter one of the replies listed in the System Action.

If you enter ‘CANCEL’, correct the error by adding the module to the appropriate library and then restart CICS.

**Destination:** Console

**Module:** DFHSIB1

**XMEOUT Parameters:** applid, modname

**DFHAP0101 applid Suffixixed module modname cannot be loaded.**

**Explanation:** During AP domain initialization, a suffixed CICS module or table could not be loaded. This message is issued for all suffixed modules which cannot be located after CANCEL has been specified in response to a preceding DFHAP0100 message.

**System Action:** The AP domain initialization continues until the end of the nucleus load process. CICS is then abnormally terminated with a dump.

**User Response:** Determine whether the suffix is correct. If it is not, either correct the SIT or name the correct suffix via an override for the next initialization of CICS. Otherwise correct the error by adding the module to the appropriate library.

**Destination:** Console

**Module:** DFHSIB1

**XMEOUT Parameters:** applid, modname

```
| APAR PQ28948 |
```

**DFHAP0005 applid A hardware error has occurred (module modname, code X‘code’). MVS Store Clock found inoperative.**

**Explanation:** A hardware error has occurred during the running of module module. The MVS store clock facility is the timing mechanism for the operating system.

The code X‘code’ is the exception trace point ID which uniquely identifies the place where the error was detected.

**System Action:** An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Investigate the MVS store clock to determine whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHSIB1

**XMEOUT Parameters:** applid, modname

```
| APAR PQ28948 |
```
DFHAP0360

DFHAP0360 date time applid An attempt to establish security for userid userid has failed SAF codes are (X'safreas',X'esmresp'). ESM codes are (X'esmresp',X'esmreas').

# Explanation: An attempt was made to establish security for userid but it was rejected by the external security manager (ESM).
# Check that the userid has been defined correctly.
# System Action: Security has not been established for the userid.
# The attempt to start the transaction has failed.
# User Response: The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide, and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366). See these manuals for an explanation of the codes.
# There may be further messages produced by CICS or the external security manager (ESM) which provide more information.
# Destination: CICS
# Module: DFHIPXM
# XMEOUT Parameters: date, time, applid, userid, X'safresp', X'esmresp'

---

DFHAP0501 date time applid Program proname has issued an ADDRESS CSA command that is no longer supported.

# Explanation: The program proname has attempted to address the CSA. This function is no longer supported. The address returned is now fetch protected. Any attempt to reference this address results in an abend.
# System Action: CICS continues.
# User Response: Remove this command from the application program. Translate and compile. Remove any references to the address that was previously returned.
# Destination: CMIG
# Module: DFHEEI
# XMEOUT Parameters: date, time, applid, proname

---

DFHAP0601 applid Force purge of transaction id tranid transaction number trannum has been deferred because the transaction is executing post commit syncpoint processing.

# Explanation: CICS has received a request to force purge a transaction. The target of the force purge request is part way through processing the second phase of a two phase syncpoint. If the purge was accepted at this time, the target transaction would be abended and this would cause CICS to fail with a U0405 abend. There is no way of purging the target transaction while it is in this state. Transactions should only remain in this state for a short period of time. A subsequent attempt to force purge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.
# System Action: CICS defers the purge until the target transaction is no longer protected against purge.
# User Response: Retry the forcepurge after a short interval if the target transaction has not ended.
# Note: Do not attempt to reroute this message to a transient data queue.
# Destination: Console
# Module: DFHAPXME
# XMEOUT Parameters: applid, tranid, trannum

---

DFHAP0602 applid Force purge of transaction id tranid transaction number trannum has been deferred because the transaction is executing transaction backout.

# Explanation: CICS has received a request to force purge a transaction. The target of the force purge request is part way through transaction backout processing (either as a result of an earlier transaction abend, or a syncpoint rollback request). If the purge was accepted at this time, the target transaction would be abended and this would cause CICS to fail with a U0405 abend. There is no way of purging the target transaction while it is in this state. Transactions should only remain in this state for a short period of time. A subsequent attempt to force purge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.
# System Action: CICS defers the purge until the target transaction is no longer protected against purge.
# User Response: Retry the purge after a short interval if the target transaction has not ended.
# Note: Do not attempt to reroute this message to a transient data queue.
# Destination: Console
# Module: DFHAPXME
# XMEOUT Parameters: applid, tranid, trannum

---

DFHAP0603 applid Forcepurge of transaction ID tranid, transaction number trannum, recovery token X'token' has been deferred because the transaction is waiting for a DLI request in DBCTL to complete.

# Explanation: CICS has received a request to forcepurge a transaction. The target of the forcepurge request is waiting in DBCTL (or an IMS DC system which CICS thinks is a DBCTL) for the DLI request to complete. If the forcepurge was accepted at this time, the IMS system would fail with a U113 abend. The target transaction cannot be purged while it is in this state. Transactions should only remain in this state for a short time, unless the transaction is waiting for some data or resource held by some other task in DBCTL. The recovery token may be used to identify which DBCTL thread corresponds to your task. (Issue /DIS CCTL ALL against the relevant DBCTL) One of the other active threads probably holds the resource you are waiting for. A subsequent attempt to forcepurge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.
# System Action: CICS defers the forcepurge until the target transaction is no longer protected against purge.
# User Response: Retry the forcepurge after a short interval if the target transaction has not ended. If the purge is still deferred, you will not be able to purge this transaction until the resource it is waiting for is released.
Chapter 1. DFH messages

DFHAP0604 applid Forcepurge of transaction ID tranid, transaction number trannum, recovery token X'rtoken' has been deferred because the transaction is on a CICS-DB 2 ready queue waiting for a thread or TCB to become available.

Explanation: CICS has received a request to forcepurge a transaction. The target of the forcepurge request is queued on a CICS-DB2 ready queue awaiting a DB2 thread or TCB to become available. The target transaction cannot be purged while it is in this state.

System Action: CICS defers the forcepurge until the target transaction no longer protected against purge.

User Response: If the task is queued awaiting a CICS-DB2 subtask TCB to become available. If the htype value is 'CDB2RDYQ, this means the task is awaiting a CICS-DB2 thread to become available, and Hvalue identifies the pool, or the particular DB2ENTRY against which it is queued. Transactions should remain in this state only for a short time.

DFHAP0701 applid An abend (code abcode) has occurred in exit program programe at exit point xxxxxxxx.

Explanation: An abnormal end (abend) or program check has occurred in the program programe. This implies that there is an error in the error program, that unexpected data has been input, or storage has been overwritten.

The code is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: CICS makes an exception entry in the trace table and returns a zero return code to the exit point. CICS also produces a system dump unless:

- You have specifically suppressed dumps in the dump table, or
- The exit point is XDUREQ. No dump is taken in order to avoid recursive dumping.

Either CICS continues unless you have specified in the dump table that CICS should terminate.

Or This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. If this is the case, a zero return code is returned to the CICS management module.

User Response: There might be a logic error in the user exit program programe. DISABLE the exit program from all exit points, by using the EXITALL operand in the EXEC CICS DISABLE, and correct the error.

For programming information about coding user exit programs see the CICS Customization Guide.

DFHAP0704 applid A possible loop has been detected in exit program programe at exit point xxxxxxxx.

Explanation: The exit program programe was in control and the transaction has consumed more CPU time than has been specified in the ICVR. There is probably a loop.

System Action: CICS returns a zero return code to the exit point. CICS also produces a system dump unless:

- You have specifically suppressed dumps in the dump table, or
- The exit point is XDUREQ. No dump is taken in order to avoid recursive dumping.

User Response: There is a probable logic error in the user exit program programe. DISABLE the exit program from all exit points by using the EXITALL operand in the EXEC CICS DISABLE, and correct the error.

Refer to the CICS Customization Guide for further information about coding user exit programs.

If you think there is no loop, you can increase the runaway task time interval in the ICVR by using CEMT. This is explained in the CICS Supplied Transactions manual.

DFHAP0705 W date time applid The enable of task related user exit program programe has caused CICS to force taskdataloc(below) for all transactions.

Explanation: Task-related user exit program programe has been enabled with options TASKSTART and LINKEDITMODE, and programe has been linkedited AMODE 24. This ensures that it is always invoked in amode 24. An amode 24 task-related user exit program can only be invoked if the calling transaction is defined with TASKDATALOC(below).

By enabling the AMODE 24 task-related user exit for task start, the user has forced CICS to force all subsequent transactions to run with taskdataloc(below).

System Action: CICS continues, but for the remainder of the CICS run, CICS insists that all transactions run with taskdataloc(below).

User Response: To avoid all transactions having to run with taskdataloc(below), modify the task-related user exit so that it is capable of running AMODE(31) when invoked for task start.

Ideally the task-related user exit should be modified so that it always runs AMODE 31 for whoever is the caller. In this case the
exit program can be linked with the AMODE 31 attribute, and
enabled with the LINKEDITMODE option. This ensures CICS
always invokes it in AMODE 31.
Alternatively the task-related user exit could be modified so it is
capable of being invoked in either amode. In this case the exit
should be enabled without the LINKEDITMODE option. This
means the exit will be invoked in the amode of its caller. For CICS
calls such as task start, this will always be AMODE 31, but it does
allow the exit to be invoked AMODE 24 for calls from an amode 24
application if this is desired.
See the CICS Resource Definition Guide. for more information on
the TASKDATALOC option.
See the CICS Customization Guide for programming information on
the LINKEDITMODE option when enabling task-related user exits.
**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHUEM

**XMEOUT Parameters:** date, time, applid, progname

---

**DFHAP0706 applid A probable loop has been detected in task
related user exit program progname.**

**Explanation:** The task related user exit program progname was in
control and the transaction has consumed more CPU time than has
been specified in the ICVR. There is probably a loop.

**System Action:** CICS produces a system dump unless you have
specifically suppressed dumps in the dump table.

**User Response:** There is a probable logic error in the task
related user exit program progname. DISABLE the exit program
and correct the error.
Refer to the CICS Customization Guide for programming
information about task-related user exit programs.
If there is no loop, you can avoid this problem by increasing the
runaway task time interval in the ICVR using CEMT. This is
explained in the CICS Supplied Transactions.

**Destination:** Console

**Module:** DFHERM

**XMEOUT Parameters:** applid, abendcode, progname

---

**DFHAP0707 applid An abend (code abendcode) has occurred in task
related user exit program progname.**

**Explanation:** An abnormal end (abend) or program check has
occurred in the task related user exit program progname. This
implies that there is an error in the exit program, that unexpected
data has been input, or storage has been overwritten.
The code is a three digit hexadecimal MVS code (if applicable),
followed by a four digit alphanumeric CICS code. The MVS code is a
system completion code (for example, X‘0C1’ or X‘D37’). If an
MVS code is not applicable, this field is filled with three hyphens.
The CICS code is an abend code or a number referring to a CICS
message (for example, AKEA is a CICS abend code; 1310 refers to
message DFHTS1310).

**System Action:** CICS makes an exception entry in the trace table
and produces a system dump unless you have specifically
suppressed dumps in the dump table.
CICS continues unless you have specified in the dump table that
CICS should terminate.

**User Response:** There might be a logic error in the task related
user exit program progname. DISABLE the task related user exit
program and correct the error.
For programming information about coding task related user exit
programs see the CICS Customization Guide.

**Destination:** Console

**Module:** DFHAPRDR, DFHTCRP

**XMEOUT Parameters:** applid, X‘code’, modname

---

**DFHAP1006 applid Resource definition recovery has failed with
code X‘code’ in module modname.**

**Explanation:** An error has been detected in module modname
during startup. The code X‘code’ is the exception trace point ID
which uniquely identifies the error and where it was detected.

**System Action:** An exception entry is made in the trace table
(X‘code’ in the message). A system dump is taken, unless you have
specifically suppressed dumps in the dump table.
This is a critical error and CICS is terminated even if you have
specified in the dump table that CICS should not terminate.
Message DFHME0116 is normally produced containing the
symptom string for this problem.

**User Response:** Notify the system programmer. This failure
indicates a serious error in CICS. For further information about
CICS exception trace entries, see the CICS Diagnosis Reference.

You need further assistance from IBM to resolve this problem. See
Part 4 of the CICS Problem Determination Guide for guidance on
how to proceed.

**Destination:** Console

**Modules:** DFHAPRDR, DFHTCRP

**XMEOUT Parameters:** applid, X‘code’, modname

---

**DFHAP1007 applid A GETMAIN has failed for a resource
definition control block code X‘code’ in module modname.**

**Explanation:** An storage request has failed in module modname.
The code X‘code’ is the exception trace point ID which uniquely
identifies the error and where it was detected.

**System Action:** An exception entry is made in the trace table
(X‘code’ in the message). A system dump is taken, unless you have
specifically suppressed dumps in the dump table.
CICS continues unless you have specified in the dump table that
CICS should terminate. Message DFHME0116 is normally
produced containing the symptom string for this problem.

**User Response:** Notify the system administrator. This failure
may indicate that you need to increase the size limits of the
EDSAs. EDSA storage limits are specified by the EDSALIM
system initialization parameter. See the CICS System Definition
Guide for more guidance on EDSALIM. For further information
about CICS exception trace entries, see the CICS Diagnosis
Reference.

**Destination:** Console

**Module:** DFHAPRDR

**XMEOUT Parameters:** applid, X‘code’, modname
DFHAP1200 applid A CICS request to the Language Environment/370 has failed. Reason code rc.

**Explanation:** CICS has attempted to communicate with AD/Cycle Language Environment/370, but due to an error, the function requested by CICS could not be performed.

**System Action:** If the error occurs during system initialization, then the initialization continues but without support for the Language Environment/370. If the error occurs in a user application program, then the transaction is abnormally terminated.


If the error occurs during system initialization, check that the Language Environment/370 modules and the modules required for the languages supported by that environment have been correctly installed. In particular ensure that:

- The interface module CEECCICS has been placed in a library concatenated to the STEPLIB DD statement of the CICS startup job stream.
- The required modules in the CSD have been defined (these modules are listed in the file CEESAMP which is supplied with the sample files on the distribution tape).

**Destination:** Console

**Module:** DFHAPLI

**XMEOUT Parameters:** applid, rc

---

DFHAP1201 applid CICS is unable to initialize COBOL2 support. Reason code rc.

**Explanation:** During system initialization, CICS could not correctly initialize VS COBOL II support. The reason code rc is a hexadecimal return code from the VS COBOL II module IGZ9CIC (alias IGZECIC).

**System Action:** CICS continues initialization, but transactions invoking VS COBOL II programs will abend.

**User Response:** The reason for the failure is explained in an associated IGZ message. IGZ messages are documented in the VS COBOL II Application Programming Debugging Guide.

Ensure that VS COBOL II has been installed successfully, and that the necessary steps to enable CICS support for VS COBOL II have been carried out. These are listed in the VS COBOL II Installation and Customization manual.

In particular, ensure that you have placed the COBOL-CICS interface module, IGZECIC, in a library concatenated to the STEPLIB DD statement of the CICS startup job stream. Also ensure that the VS COBOL II environment specific modules (ESM) IGZExxxx being used are those from COB2CICS. Check that COB2CICS appears before COB2LIB in the STEPLIB concatenation.

**Destination:** Console

**Module:** DFHAPLI

**XMEOUT Parameter:** applid

---

DFHAP1202I applid C/370 is being initialized.

**Explanation:** This is an informatory message indicating that CICS is initializing support for the Language Environment/370.

**System Action:** System initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Destination:** Console

**Module:** DFHAPLI

**XMEOUT Parameter:** applid

---

DFHAP1203I applid Language Environment/370 is being initialized.

**Explanation:** This is an informatory message indicating that CICS is initializing support for C/370.

**System Action:** System initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Destination:** Console

**Module:** DFHAPLI

**XMEOUT Parameters:** applid, rc

---

DFHAP1204I applid COBOL2 is being initialized.

**Explanation:** This is an informatory message indicating that CICS is initializing support for VS COBOL II.

**System Action:** System initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Destination:** Console

**Module:** DFHAPLI

**XMEOUT Parameter:** applid

---

DFHAP1205I applid C/370 is being initialized.

**Explanation:** This is an informatory message indicating that CICS is initializing support for C/370.

**System Action:** System initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Destination:** Console

**Module:** DFHAPLI

**XMEOUT Parameter:** applid
DFHAP1212 date time applid The program program_name was defined as language1 but CICS has redefined it as language2.

Explanation: You have defined program program_name as language1. During validation CICS determined that language1 is not a valid language for program_name and has redefined the program with language2.

CICS is able to determine the program language automatically. It is therefore not necessary for users to pass the language of a program to CICS via an autoinstall exit.

System Action: Processing continues.

User Response: None. This message is issued for information only.

Destination: CSTL
Module: DFHAPLI

XMEOUT Parameters: date, time, applid, program_name, language1, language2

DFHAP1213 applid An unexpected error has occurred during language initialization.

Explanation: Either an error was detected when CICS tried to load one of the required language interface modules, or the region size you have defined for CICS is too small.

During the language initialization phase of CICS startup, an unexpected error has occurred while CICS was initializing the necessary support. Possibly CICS has determined that there is insufficient storage to enable run-time language support to be correctly installed. Application program execution is likely to be severely restricted if CICS continues.

System Action: CICS initialization continues.

User Response: You should examine the console log for any error messages which may have been issued by the operating system immediately preceding this CICS message. If no operating system messages were issued, it is likely that there is insufficient storage for CICS to continue and you should restart CICS with a larger region size.

Destination: Console
Module: DFHAPLI

XMEOUT Parameter: applid

DFHAP1214 applid Language Environment/370 global ENVAR option defined with invalid CICS program options.

Explanation: An error has been detected in the Language Environment global runtime ENVAR option. The ENVAR string contains a substring in the form 'CICSVAR=xx....xx', but 'xx....xx' is an invalid or unsupported program option. At this level of CICS, the only valid options are 'THREADSAFE' or 'QUASIRENT'.

System Action: The incorrect ENVAR substring is ignored.

User Response: Refer to the CICS System Definition Guide for information on how to define program options in the ENVAR string.

Destination: Console

DFHAP1215 applid Invalid CICS program options found in ENVAR string in program pgmname.

Explanation: The application program contains user-defined Language Environment runtime options, and an error has been detected in the specification of the ENVAR option. The ENVAR string contains a substring in the form 'CICSVAR=xx....xx', but 'xx....xx' is an unsupported or invalid program option. At this level of CICS, the only supported options are 'THREADSAFE' or 'QUASIRENT'.

System Action: The incorrect ENVAR substring is ignored.

User Response: Refer to the CICS System Definition Guide for information on how to define program options in the ENVAR string.

Destination: Console
Module: DFHAPLI

XMEOUT Parameters: applid, pgmname

DFHAP1216 date time applid Attempt to change the HFS working directory to pathname has failed. Runtime error message is errmsg.

Explanation: The CICS-JVM interface attempted to change the working directory to pathname as specified via the CICS_HOME environment variable contained in the DFHJVM member of the SDFHENV dataset. The change directory command failed and the runtime message errmsg appended to the end of this message documents why the command failed.

System Action: The CICS-JVM interface is unable to change to the specified directory to open the stdin, stdout and stdout streams. The CICS transaction is abended with abend code AJMA.

User Response: Examine errmsg to determine why the change directory command failed. If necessary correct the setting of environment variable CICS_HOME in the DFHJVM member of the SDFHENV dataset.

Destination: CSMT
Module: DFHCJVM

XMEOUT Parameters: date, time, applid, pathname, errmsg

DFHAP1217 date time applid Attempt to fetch user replaceable module DFHJVMAT has failed.

Explanation: The CICS JVM interface issued a fetch to load user replaceable module DFHJVMAT. The native C fetch request failed.

System Action: The CICS transaction is abended with abend code AJM9.

User Response: Ensure that C program DFHJVMAT is present in a dataset in the CICS STEPLIB concatenation. Examine messages output by language environment/370 to determine why the fetch request failed.

Destination: CSMT
Module: DFHCJVM

XMEOUT Parameters: date, time, applid
# DFHAP1218 date time applid JVM failed to find the CICS Wrapper class classname

**Explanation:** The CICS JVM interface invoked the JVM to locate the CICS Wrapper class `classname` used to set up the operating environment before executing the user Java class. The JVM failed to find the CICS Wrapper class on the HFS.

**System Action:** The CICS transaction is abended with abend code AJM2.

**User Response:** Examine the value set for CLASSPATH in the DFHJVM member of the SDFHENV dataset. The pathname for the CICS supplied dfjwrap.jar must be present in CLASSPATH.

**Destination:** CSMT

**Modules:** DFHCJVM

**XMEOUT Parameters:** `date, time, applid, classname`

---

# DFHAP1219 date time applid edcmsg

**Explanation:** CICS HotPooling issues this message to quote a message for an error found by Language Environment or the C library. An accompanying CICS message describes the circumstances in which the error occurred.

**System Action:** CICS may continue or abend. See the accompanying message.

**User Response:** Look for the quoted message in `Language Environment Debug and Messages (SC28-1942)`, probably in the section for C Run-Time Messages.

**Destination:** CSMT

**Modules:** DFHAPLH (DFHAPH8)

**XMEOUT Parameters:** `date, time, applid, edcmsg`

---

# DFHAP1220 date time applid CICS HotPooling could not load or execute the program called dllname.

**Explanation:** CICS HotPooling could not load the program, DLL or class with primary name `dllname`.

**System Action:** CICS HotPooling abends the transaction with code AJH2 or AJH8.

**User Response:** If message DFHAP1219 accompanies this message, it gives the reason why the program could not be used. With abend AJH8, java may have written a description of an exception and a stack trace to the CESE destination. Ensure that the program `dllname` exists in DFHRPL and is executable.

**Destination:** CSMT

**Modules:** DFHAPLH (DFHAPH8)

**XMEOUT Parameters:** `date, time, applid, dllname`

---

# DFHAP1221 date time applid methodname could not be found in DLL or class dllname.

**Explanation:** CICS HotPooling could not locate the function `methodname` in the program `dllname`.

**System Action:** CICS HotPooling abends the transaction with code AJH3.

**User Response:** Message DFHAP1219 accompanies this message, and may help to determine what happened. Ensure that `methodname` is in the DLL or class specified by `dllname`, and ensure `dllname` exists and can be loaded by CICS.

---

# DFHAP1222 date time applid The method methodname in the DLL or class dllname was executed. However, the method returned an error response of jret.

**Explanation:** The CICS HotPooling enclave attempted to execute the method `methodname` from the DLL or class `dllname`. `methodname` did execute but returned with and error response equal to `jret`.

**System Action:** The CICS HotPooling enclave terminates with abend code AJH4 or AJH5.

**User Response:** Message DFHAP1219 accompanies this message, and may help to determine what happened to the called method.

**Destination:** CSMT

**Modules:** DFHAPLH (DFHAPH8)

**XMEOUT Parameters:** `date, time, applid, methodname, dllname, jret`

---

# DFHAP1223 date time applid HotPooling can not call the main method in class classname.

**Explanation:** The CICS HotPooling enclave attempted to call the main method in class `classname`. On return from the main method, CICS found a java exception pending. Exceptions thrown by the application program are normally caught by the CICS Wrapper class. Exceptions which occur before the Wrapper gets control or after it returns are diagnosed here.

**System Action:** CICS abends the task with abend code AJH9.

**User Response:** Java writes a description of the exception and a stack trace to the CESE destination. Ensure `classname` has a static main method and that `classname` exists and can be loaded by CICS.

**Destination:** CSMT

**Modules:** DFHAPLH (DFHAPH8)

**XMEOUT Parameters:** `date, time, applid, classname`

---

# DFHAP1224 date time applid CEEPIPI not available, HotPooling cannot be used.

**Explanation:** The address of `CEEPIPI` in the CICS CSA was not set. CICS initialisation should have loaded `CEEPIPI` and set its address into CSACEEPI. HotPooling cannot be used.

**System Action:** CICS HotPooling abends the transaction with abend code AJH0.

**User Response:** `CEEPIPI` is a component of LE/370. Determine why it was not available to CICS initialization.

**Destination:** CSMT

**Module:** DFHAPLH1

**XMEOUT Parameters:** `date, time, applid`

---

# DFHAP1225 date time applid CEEPIPI function pipifn failed with return code r15rc.

**Explanation:** CICS HotPooling called `CEEPIPI` with one of the following function codes:
**DFHAP1400**

# 9 = init_sub_dp to initialize a new PIPI environment,
# 4 = call_sub to run a program in the PIPI environment,
# 5 = term to terminate the PIPI environment.

A non-zero return code from PIPI shows that the function failed. In the case of call_sub, the program may not have started, or may have failed in execution.

**System Action:** Language Environment may have written diagnostic information to the CESE destination. CICS abends the transaction with abend code AJH1, AJHA, AJHB, AJHC or AJHF depending on the reason for the call to CEEPIPI.

**User Response:** Look at SYSOUT or CESE destination for LE messages. Look in Language Environment Programmers Guide (SC28-1939) for the CEEPIPI function and find the explanation of the return code (Register 15) for that function.

**Destination:** CSMT

**XMEOUT Parameters:** date, time, applid, pipifn, r15rc

---

**DFHAP1403**

*date time applid The IOP header data is invalid; the message size was Size.*

**Explanation:** The IOP transaction received an invalid header in a message and has returned an error message.

**System Action:** The IOP Facility issues another receive.

**User Response:** Examine the contents of the returned error message.

**Destination:** CSMT

**Module:** DFHIIOP

**XMEOUT Parameters:** date, time, applid

---

**DFHAP1404**

*date time applid Cannot attach the IOP transaction.*

**Explanation:** The Attach of the required transaction has failed.

**System Action:** The IOP Facility re-issues a receive.

**User Response:** Check the transaction and the model definitions, for example CIOD and CIOF.

**Destination:** CSMT

**Module:** DFHIIOP

**XMEOUT Parameters:** date, time, applid

---

**DFHAP1405**

*date time applid Cannot link to program DFJIIOP, response=response, reason=reason.*

**Explanation:** The EXEC CICS LINK to DFJIIOP, the CORBA interface, failed.

**System Action:** The IOP Facility is terminated.

**User Response:** Examine the return code to determine the cause of failure. See the CICS Application Programming Reference for an explanation of the EXEC CICS LINK responses.

**Destination:** CSMT

**Module:** DFHIIOP

**XMEOUT Parameters:** date, time, applid, response, reason

---

**DFHAP1406**

*date time applid The call to the Socket domain failed, refer to earlier messages from TCP/IP and the Socket domain.*

**Explanation:** The call to the Socket domain failed.

**System Action:** The IOP Facility is terminated.

**User Response:** Examine the previous messages from the Socket domain and TCP/IP to determine the cause.

**Destination:** CSMT

**Module:** DFHIIOP

**XMEOUT Parameters:** date, time, applid

---

**DFHAP1407**

*date time applid The GETMAIN call to acquire storage has failed, response=response, reason=reason.*

**Explanation:** The GETMAIN call has failed.

**System Action:** The IOP Facility is terminated.

**User Response:** Examine the return code to determine the cause of failure.

**Destination:** CSMT

**Module:** DFHIIOP, DFHIIOPA

**XMEOUT Parameters:** date, time, applid, reason

---

DFHAP1400 applid The IOP transaction cannot be started this way.

**Explanation:** The IOP transaction was not started by the CICS attach mechanism.

**System Action:** The IOP Facility is terminated.

**User Response:** For instance, do not try to start the IOP transaction from a terminal.

**Destination:** Console and Terminal End User

**Modules:** DFHIIOP, DFHIIOPA

**XMEOUT Parameter:** applid

---

DFHAP1401 date time applid Unable to determine the transaction id. The tranid 'CIOD' will be used.

**Explanation:** The inquire on the CEDA 'Request model' definition to determine the transaction name was unsuccessful.

**System Action:** The transaction name 'CIOD' will be used as the default.

**User Response:** Check the CEDA definitions for the 'Request model'.

**Destination:** CSMT

**Module:** DFHIIOP

**XMEOUT Parameters:** date, time, applid

---

DFHAP1402 date time applid The IOP transaction has abended, the abend was abend, the program was program.

**Explanation:** The IOP transaction has abended.

**System Action:** The IOP Facility is terminated.

**User Response:** Examine the dump and trace to determine the cause of the abend.

**Destination:** CSMT

**Modules:** DFHIIOP, DFHIIOPA

**XMEOUT Parameters:** date, time, applid, abend, program

---

CICS Messages and Codes
DFHAP1408

DFHAP1408 date time applid
No Socket domain session token
was supplied to the CIOP transaction when it was
started.

Explanation: The IIOP transaction was started without a Socket
domain session token.

System Action: The IIOP Facility is terminated.

User Response: This transaction must only be started by the
Socket domain.

Destination: CSMT

Module: DFHIIOPI

XMEOUT Parameters: date, time, applid

DFHAP1409 date time applid
The Link to the URM DFHXOPUS
failed; the default userid will be used,
response=response, reason=reason.

Explanation: The EXEC CICS LINK to the User Replaceable
Module DFHXOPUS has failed.

System Action: The default userid will be used to run the
CORBA code.

User Response: None; if you are happy to let the userid default,
otherwise check that the DFHXOPUS (URM) has been placed in
the correct library. See "CICS for MVS/ESA.: Application
Programming Reference" for an explanation of the EXEC CICS
LINK responses.

Destination: CSMT

Module: DFHIIOPI

XMEOUT Parameters: date, time, applid, response, reason

DFHAUxxxx Transaction affinity utility
messages

DFHAU2101 date time applid
CAFF CANNOT START BECAUSE IT
IS ALREADY IN USE.

Explanation: Transaction CAFF is already being used when an
attempt is made to start another CAFF transaction.

System Action: The second CAFF transaction is terminated
because only one instance of CAFF is permitted.

User Response: Check where CAFF is currently in use. Only
one user should be attempting to run the Detector at a given time.

Note: This message cannot be changed with the message editing
utility.

Destination: CAFF and Terminal End User

Module: CAUCAFF1

DFHAU2102 date time applid
DETECTOR IS NOT
state.

Explanation: An attempt was made to stop the Detector from
transaction CAFF when the Detector was already STOPPED.

System Action: No action is taken.

User Response: Check why the Detector is currently in that state.

Note: This message cannot be changed with the message editing
utility.

Destination: CAFF and Terminal End User

Module: CAUCAFF1

DFHAU2103 date time applid
DETECTOR IS ALREADY STOPPED.

Explanation: An attempt was made to stop the Detector from
transaction CAFF when the Detector was already STOPPED.

System Action: No action is taken.

User Response: Check why the Detector is currently in that state.

Note: This message cannot be changed with the message editing
utility.

Destination: CAFF and Terminal End User

Module: CAUCAFF1

DFHAU2104 INVALID KEY PRESSED.

Explanation: The terminal operator has pressed a function key in
response to a screen displayed by transaction CAFF, but the
function key was not valid for that screen.

System Action: The function key is ignored.

User Response: Use the correct function key.

Note: This message cannot be changed with the message editing
utility.

Destination: Terminal End User

Module: CAUCAFF1, CAUCAFF2, CAUCAFF7

DFHAU2105 date time applid
CAFF SESSION HAS ENDED.

Explanation: Transaction CAFF has ended.

System Action: The state of the Detector is unchanged.

User Response: None.

Note: This message cannot be changed with the message editing
utility.

Destination: CAFF and Terminal End User

Module: CAUCAFF1

DFHAU2106 OPTION MUST BE Y(YES) OR N(NO).

Explanation: You have entered an incorrect value for this CAFF
operation option.

System Action: The CAFF operation options are not changed
unless all of the input is correct.

User Response: Correct the invalid input.

Note: This message cannot be changed with the message editing
utility.

Destination: Terminal End User

Module: CAUCAFF2

DFHAU2107 DATASPACE SIZE MUST BE AN INTEGER (10 TO
2000MB).

Explanation: You have entered an incorrect value for the
Detector dataspace size. This gives the size in megabytes.

System Action: The CAFF operation options are not changed
unless all of the input is correct.

User Response: Correct the invalid input with an integer in the
range 10 through 2000.

Note: This message cannot be changed with the message editing
utility.

Destination: Terminal End User
DFHAU2110

Module: CAUCAFF2

DFHAU2110 NO AMENDMENTS WERE ENTERED.

Explanation: You have pressed the ENTER key on the CAFF operation options screen (CAFF02) but no changes have been input.

System Action: No options are changed.

User Response: Enter any changes then press the ENTER key again.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF2

DFHAU2116 DATASPACE IS TOO LARGE. NO STORAGE IS AVAILABLE.

Explanation: An attempt to start the Detector has failed because the table manager (CAUTABM) cannot obtain the requested storage for the MVS dataspace. The MVS real storage manager does not have enough resources.

System Action: The Detector start is abandoned and the Detector is stopped.

User Response: Decrease the dataspace size via the CAFF operation options.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF3

DFHAU2117 DATASPACE IS TOO LARGE. IEFUSI LIMIT REACHED.

Explanation: An attempt to start the Detector has failed because the table manager (CAUTABM) cannot obtain the requested storage for the MVS dataspace. The MVS exit IEFUSI has imposed a limit on address space size.

System Action: The Detector start is abandoned and the Detector is stopped.

User Response: Either use the CAFF operation options to decrease the dataspace size, or ask your MVS system programmer to increase the IEFUSI limit.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF3

DFHAU2118 NO RECORDS RESTORED.

Explanation: The Detector is being started with the restore data option set to Y. Records from the previous Detector run are retained on the affinity data files (CAUAFF1, CAUAFF2, CAUAFF3).

No records for those affinity command types being detected on this Detector run were found on the files, so none were read into the dataspace.

System Action: The Detector is started with any records from a previous run retained on the affinity data files.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF3

DFHAU2119 DATE TIME APPLICATION CICS IS TERMINATING.

Explanation: Transaction CAFF has ended because it has found that the CICS region has entered the quiesce state before shutdown.

System Action: Transaction CAFF is terminated. If the Detector state is anything other than STOPPED, transaction CAFB will stop the Detector.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CICS Application

Module: CAUCAFF3
Chapter 1. DFH messages

**DFHAU2120 PRESS F5 TO CONFIRM START WITH DATA RESTORE.**

**Explanation:** Press the F5 key to confirm that the Detector is to be started with the restore data option set to Y.

**System Action:** If you press the F5 key, the Detector is started with affinity data retained on the affinity data files and read into the dataspace. If you press any other key, the Detector is not started.

**User Response:** Press F5 to start the Detector.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Terminal End User

**Module:** CAUCAFF1

**DFHAU2121 PRESS F5 TO CONFIRM START WITHOUT DATA RESTORE.**

**Explanation:** Press the F5 key to confirm that the Detector is to be started with the restore data option set to N.

**System Action:** If you press the F5 key, the Detector is started with all of the data on the affinity data files deleted. If you press any other key, the Detector is not started.

**User Response:** Press the F5 key to start the Detector.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Terminal End User

**Module:** CAUCAFF1

**DFHAU2122 PRESS F6 TO CONFIRM STOP DETECTOR.**

**Explanation:** Press the F6 key to confirm that the Detector is to be stopped. The affinity data in the dataspace is saved to the affinity data files.

**System Action:** If you press the F6 key, the Detector is stopped and any changes made to the affinity data in the dataspace since the last save is saved to the affinity data files. If any other key is pressed, the Detector is not stopped.

**User Response:** Press the F6 key to stop the Detector.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Terminal End User

**Module:** CAUCAFF1

**DFHAU2125 applid CAFF CANNOT START WITHOUT DETECTOR ACTION.**

**Explanation:** The transaction ID CAFF has been entered without a Detector action at a console device. It is mandatory to supply a Detector action with CAFF at a console device.

**System Action:** Transaction CAFF is not initiated.

**User Response:** Ensure that an action (start, stop, pause, or continue) is entered after the CAFF transaction ID.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Terminal End User

**Module:** CAUCAFF1
DFHAU2203  date time applid INTERNAL ERROR DETERMINING STATE IN TRANSACTION transaction PROGRAM program.

Explanation: Detector program program in transaction transaction was unable to determine the Detector state from either the VSAM control file record or from the Detector exit GWA.

System Action: The transaction is terminated with abend code AUZC and the Detector is stopped.

User Response: Attempt to reenter transaction CAFF. If you are still unable to use CAFF, run the VSAM job to delete and define the VSAM control file CAUCNTL. If this fails, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF1, CAUCAFF2

DFHAU2204  date time applid CAFF IS BEING USED BY USER userid.

Explanation: User userid is using transaction CAFF.

System Action: This user has exclusive use of transaction CAFF.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF1

DFHAU2205  date time applid FILE filename CANNOT BE USED BY THIS CICS SYSTEM.

Explanation: File filename was first used by a CICS system with a different CICS specific APPLID, and is therefore not useable by a CICS system with specific APPLID applid.

System Action: The transaction is terminated with abend code AUZD and the Detector is stopped.

User Response: Ensure that the file filename is the correct file for the CICS system in question. If the correct file cannot be located, run the VSAM job to delete and define file filename. If filename was the control file (CAUCNTL), the CAFF operation options may need to be amended via CAFF because the file is recreated with default option values. If filename was an affinity data file (that is CAUAFF1, CAUAFF2, or CAUAFF3), set the restore data option to N when the Detector is next started via CAFF.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF1

DFHAU2206  date time applid CICS command PROGRAM program FAILED. RESP eibresp RCODE eibrcode

Explanation: Transaction CAFF or CAFB received an invalid response when issuing the EXEC CICS command command for Detector user exit program program.

System Action: The transaction is terminated with abend code AUZF and the Detector is stopped.

User Response: For further details of the exception eibresp see the command command in the CICS System Programming Reference manual.

For further guidance on how to deal with system problems, see the CICS Problem Determination Guide.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF1, CAUCAFF3, CAUCAFF4, CAUCAFF5, CAUCAFF6, CAUCAFFB1

DFHAU2210  date time applid CAUTABM CREATE DATASPACE FAILED. REASON reason_code ERROR error_code

Explanation: Transaction CAFF received an invalid response when issuing a call to the table manager (CAUTABM) to create the MVS dataspace when starting the Detector.

System Action: The transaction is terminated with abend code AUZH and the Detector is stopped.

User Response: See the CICS Transaction Affinities Utility Guide for the meaning of the reason code.

If it is AUTM_DSPSERV_CREATE_ERROR, error_code is the value of GPR 0 after the MVS DSPSERV CREATE call.

If it is AUTM_ALESERV_ADD_ERROR, error_code is the value of GPR 15 after the MVS ALESERV ADD call.

Use the appropriate MVS manual to find out the meaning of the error code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF3

DFHAU2211  date time applid CAUTABM CREATE TABLE FAILED. REASON reason_code TABLE table_number

Explanation: Transaction CAFF received an invalid response when issuing a create table call to the table manager (CAUTABM) for table table_number.

System Action: The transaction is terminated with abend code AUZI and the Detector is stopped.

User Response: See the CICS Transaction Affinities Utility Guide for the meaning of the reason code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF3, CAUCAFF6

DFHAU2212  date time applid CAUTABM ADD ELEMENT FAILED. REASON reason_code TABLE table_number

Explanation: Transaction CAFF received an invalid response when issuing an add element call to the table manager (CAUTABM) for table table_number.

System Action: The transaction is terminated with abend code AUZJ and the Detector is stopped.

User Response: See the CICS Transaction Affinities Utility Guide for the meaning of the reason code and table number.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
**DFHAU2214**

**Module:** CAUCAFF3

<table>
<thead>
<tr>
<th>Date time applid DETECTOR STATE CHANGED TO state.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> Transaction CAFF has changed the Detector state to state.</td>
</tr>
<tr>
<td><strong>System Action:</strong> The state of the Detector is now state.</td>
</tr>
<tr>
<td><strong>User Response:</strong> None.</td>
</tr>
</tbody>
</table>

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and Transient Data Queue CAFF

**Module:** CAUCAFFE

---

**DFHAU2220**

**Module:** CAUCAFF3

<table>
<thead>
<tr>
<th>Date time applid CAUCAFp CREATE CPOOL FAILED.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> Transaction CAFF received an invalid response when issuing a call to the CAFB request queue manager (CAUCAFp) to create its storage in the MVS CPOOL.</td>
</tr>
<tr>
<td><strong>System Action:</strong> The transaction is terminated with abend code AUZQ and the Detector is stopped.</td>
</tr>
<tr>
<td><strong>User Response:</strong> See the CICS Transaction Affinities Utility Guide for the meaning of the reason code. Ensure that there is sufficient storage in your system for at least 4KB of MVS CPOOL.</td>
</tr>
<tr>
<td><strong>Note:</strong> This message cannot be changed with the message editing utility.</td>
</tr>
</tbody>
</table>

**Destination:** CAFF

**Module:** CAUCAFF4

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**DFHAU2221**

**Module:** CAUCAFF4

<table>
<thead>
<tr>
<th>Date time applid CAUCAFp DESTROY CPOOL FAILED.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> Transaction CAFF received an invalid response when issuing a call to the CAFB request queue manager (CAUCAFp) to destroy its MVS CPOOL storage.</td>
</tr>
<tr>
<td><strong>System Action:</strong> The transaction is terminated with abend code AUZQ and the Detector is stopped.</td>
</tr>
<tr>
<td><strong>User Response:</strong> See the CICS Transaction Affinities Utility Guide for the meaning of the reason code.</td>
</tr>
<tr>
<td><strong>Note:</strong> This message cannot be changed with the message editing utility.</td>
</tr>
</tbody>
</table>

**Destination:** CAFF

---

**DFHAU2217**

**Module:** CAUCAFF4

<table>
<thead>
<tr>
<th>Date time applid CAUTABM DESTROY TABLE FAILED.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> Transaction CAFF received an invalid response when issuing a destroy table call to the table manager (CAUTABM) for table table_number.</td>
</tr>
<tr>
<td><strong>System Action:</strong> The transaction is terminated with abend code AUZO and the Detector is stopped.</td>
</tr>
<tr>
<td><strong>User Response:</strong> See the CICS Transaction Affinities Utility Guide for the meaning of the reason code and table number.</td>
</tr>
<tr>
<td><strong>Note:</strong> This message cannot be changed with the message editing utility.</td>
</tr>
</tbody>
</table>

**Destination:** CAFF

**Module:** CAUCAFF6

---

**DFHAU2218**

**Module:** CAUCAFF4

<table>
<thead>
<tr>
<th>Date time applid CAFF HAS ABENDED abcode IN PROGRAM program.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> This message is issued by the Transaction Affinities Utility. The HANDLE ABEND exit program of Detector transaction CAFF has been driven to handle transaction abend abcode that occurred within CAFF. The failing program is program.</td>
</tr>
<tr>
<td><strong>System Action:</strong> The transaction is terminated with a transaction dump, with a dumpcode of abcode, and the Detector is stopped.</td>
</tr>
</tbody>
</table>

**User Response:** See the description of abend abcode for guidance.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and Transient Data Queue CAFF

**Module:** CAUCAFF4
DFHAU2224  date time applid ERROR CALCULATING SPACE UTILIZATION.

Explanation: An error occurred during the calculation of the percentage of the dataspace currently occupied by affinity data.

System Action: The transaction is terminated with abend code AUZU and the Detector is stopped.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF1

DFHAU2225  date time applid UNSUPPORTED TYPE OF CAFF TASK INITIATION.

Explanation: Transaction CAFF has been initiated in a way which is not allowed. The only valid ways to initiate CAFF are:

- From a terminal
- From a console
- By issuing an EXEC CICS START TRANSID('CAFF') command from another task.

System Action: The transaction is terminated with abend code AUZV and the Detector is stopped.

User Response: Use one of the methods above to initiate CAFF.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF1

DFHAU2226  date time applid INCORRECT CAFF ACTION.

Explanation: Transaction CAFF received an incorrect value for action when it was started by another task using the EXEC CICS START TRANSID('CAFF') FROM(action) command, or started from a terminal by entering CAFF action. The only acceptable actions are:

- START
- STOP
- PAUSE
- CONTINUE

System Action: The CAFF transaction is terminated.

User Response: Restart CAFF using a valid action.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF and Terminal End User
Module: CAUCAFF1

DFHAU2227  date time applid NONTERMINAL CAFF TASK INITIATING.

Explanation: Transaction CAFF has been initiated as a background nonterminal task.

System Action: CAFF runs in the background.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

DFHAU2228  date time applid CAUTABM REPLACE ELEMENT FAILED. REASON reason_code TABLE table_number

Explanation: Transaction CAFF or CAFB received an invalid response when issuing a call to the table manager (CAUTABM) to replace a table element for table table_number.

System Action: The transaction is terminated with abend code AUZY and the Detector is stopped.

User Response: See the CICS Transaction Affinities Utility Guide for the meaning of the reason code and table number.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF3, CAUCAFB2

DFHAU2229  date time applid UT/TT TABLE UPDATE FAILED. FUNCTION function_code REASON reason_code TABLE table_number

Explanation: Transaction CAFF received an invalid response when issuing a call to the table manager (CAUTABM) to update either the userid table (UT) or the termid table (TT).

System Action: The transaction is terminated with abend code AUZZ and the Detector is stopped.

User Response: See the CICS Transaction Affinities Utility Guide for the meaning of the reason code, table number and function code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF3, CAUCAFF6

DFHAU2230  date time applid VSAM AFFINITY FILE filename HEADER READ FAILED. RESP eibresp RESP2 eibresp2

Explanation: Transaction CAFF received an invalid response when issuing an EXEC CICS READ command for the header record on VSAM affinity data file filename, when the Detector was starting with the restore data option set to Y. Either an incorrect file has been allocated for the affinity data file filename or the file is empty.

System Action: The transaction is terminated with abend code AUZ1 and the Detector is stopped.

User Response: Check that the correct file is allocated, and that the Detector has previously been started with the same files.

The first time the Detector is started, the CAFF restore data option must be N. If the restore data option is initially set to Y, CAFF is abnormally terminated with this message because initially the VSAM affinity data files are empty. The affinity file header records are added by CAFF after the Detector has been started for the first time.

For further details of the exceptions eibresp and eibresp2 refer to the READ command in the CICS Application Programming Reference manual.

For further guidance on how to deal with system problems, see the CICS Problem Determination Guide.

Note: This message cannot be changed with the message editing utility.
DFHAU2231 date time applid NUMBER OF RECORDS RESTORED IS count.

Explanation: The Detector has been started with the restore option set to Y. This message gives the number of affinity records that were restored from the VSAM affinity data files to the MVS dataspace.

System Action: The Detector is now RUNNING.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF3

DFHAU3301 date time applid CAFB TASK INITIATING.

Explanation: Transaction CAFB has been initiated by CAFF. CAFB saves affinity data from the dataspace to the affinity data files.

System Action: The Detector continues running.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF1

DFHAU3302 date time applid CAFB RECEIVED AN INVALID REQUEST.

Explanation: Transaction CAFB has received an invalid request to perform one of its functions from another component of the Detector (CAFF or a Detector exit program).

System Action: The transaction is terminated with abend code AUZA and the detector is stopped.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFB1

DFHAU3303 date time applid CAFB HAS ABENDED abcode in program.

Explanation: This message is issued by the Transaction Affinities Utility. The HANDLE ABEND exit program of Detector transaction CAFB has been driven to handle transaction abend abcode that occurred within CAFB. The failing program is program.

System Action: The transaction is terminated with a transaction dump, with a dumpcode of abcode, and the Detector is stopped.

User Response: See the description of abend abcode for guidance.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFB1

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DFHAU3305  date time applid  CAFB SAVE STARTED BECAUSE OF (STOP | TIME | TRIGGER | PAUSE).

Explanation: Transaction CAFB is starting a scan of the affinity tables in the dataspace to write any data changed since the previous save to the affinity data files. The save was started for one of the following reasons:

STOP     Detector stopped
TIME      Save interval reached
TRIGGER   Activity count reached
PAUSE     Detector paused.

Note that the latter three reasons can only occur when the CAFF perform periodic saves option is set to Y.

System Action: CAFB saves changed data elements from the dataspace to the affinity data files.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFB
Module: CAUCAFB2

DFHAU3306  date time applid  CAFB SAVE ENDED.  count RECORDS SAVED.

Explanation: Transaction CAFB has finished the scan of the affinity tables in the dataspace and wrote count records to the affinity data files.

System Action: The number of records given by count were saved to the affinity data files.

User Response: If the CAFF perform periodic saves option is set to Y and count has been consistently near zero for the past few saves, this may indicate that the Detector has detected all the affinities it can and may be stopped.

Note: This message cannot be changed with the message editing utility.

Destination: CAFB
Module: CAUCAFB2

DFHAU3307  date time applid  CAFB TERMINATED. THE DETECTOR IS STOPPING.

Explanation: Transaction CAFB received a request from CAFF to terminate because the Detector is stopping.

System Action: The transaction is terminated and the Detector is stopped.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFB
Module: CAUCAFB2

DFHAU3308  date time applid  MESSAGE RECEIVED FROM PROGRAM program.

Explanation: Transaction CAFB received a message from program program to write to the CAFF transient data queue.

System Action: The associated message is written to CAFF.

User Response: See the following message on the CAFF transient data queue.

Note: This message cannot be changed with the message editing utility.

Destination: CAFB
Module: CAUCAFB1

DFHAU3310  date time applid  INVALID FILE NUMBER FOR TABLE IN GWA.

Explanation: Transaction CAFB found an incorrect value (the affinity file number) in an internal array in the Detector global work area (GWA). This implies that the GWA has been corrupted.

System Action: The transaction is terminated with abend code AUYE and the Detector is stopped.

User Response: Determine the cause of the corruption. It could be due to an application accidentally overwriting the GWA.

Note: This message cannot be changed with the message editing utility.

Destination: CAFB
Module: CAUCAFB2, CAUCAFF3

DFHAU3311  date time applid  TRANSACTION CAFB MUST BE INITIATED BY TRANSACTION CAFF.

Explanation: Transaction CAFB has been initiated incorrectly, that is it was not initiated by CAFF. Its CICS startcode indicates something other than EXEC CICS START with no data.

System Action: The transaction is terminated with abend code AUYF and the Detector is stopped.

User Response: The CAFB transaction can only be started by the Detector control transaction CAFF.

Note: This message cannot be changed with the message editing utility.

Destination: CAFB
Module: CAUCAFB1

DFHAU3312  date time applid  CAFB ABENDING. CICS IS TERMINATING.

Explanation: Transaction CAFB found that CICS entered the quiesce state before shutdown and the Detector was still running.

System Action: The transaction is terminated with abend code AUYG and the Detector is stopped.

User Response: None. To avoid this, always stop the Detector before shutting down CICS. The CAFF STOP action can be submitted from a CICS shutdown PLT program, using an EXEC CICS START command.

Note: This message cannot be changed with the message editing utility.

Destination: CAFB
Module: CAUCAFB1

DFHAU3313 date time applid INVALID ADDRESS FOR program IN THE GWA.

Explanation: Transaction CAFB or CAFB found that the address of Detector program program in the global work area (GWA) was a null value. This implies that the GWA has been corrupted.

System Action: The transaction is terminated with abend code AUXH and the Detector is stopped.

User Response: Attempt to determine the cause of the corruption. It could be due to an application accidentally overwriting the GWA.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFF4, CAUCAFF5, CAUCAFB1

DFHAU3314 date time applid CAUTABM CALL FAILED.

FUNCTION function_code REASON reason_code
TABLE table_number

Explanation: Transaction CAFB or CAFB received an invalid response when issuing a call to the table manager (CAUTABM) to access a table element for table table_number.

System Action: The transaction is terminated with abend code AUYI and the Detector is stopped.

User Response: See the CICS Transaction Affinities Utility Guide for the meaning of the reason code, table number, and function code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFB2, CAUCAFF6

DFHAU3315 date time applid FILE filename IS FULL.

Explanation: Transaction CAFB received a NOSPACE response when issuing EXEC CICS WRITE for VSAM affinity file filename. The file is full.

System Action: The transaction is terminated with abend code AUYJ and the Detector is stopped.

User Response: Allocate more space to the file and rerun the Detector. For guidance on how much space to allocate, see the CICS Transaction Affinities Utility Guide.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF
Module: CAUCAFB2

DFHAU4100 date time applid CAUTABM CALL FAILED.

FUNCTION function_code REASON reason_code
TABLE table_number

Explanation: One of the Detector exit programs received an unexpected response when issuing a call to the table manager (CAUTABM).

Note that the message is issued by transaction CAFB on behalf of the exit program.
DFHAU5002 AFFINITY FILES ARE NOT FOR THE SAME CICS APPLID. RUN TERMINATED.

Explanation: One or more of files CAUCNTL, CAUAFF1, CAUAFF2, or CAUAFF3 were not initialized by the same CICS system.

System Action: The Reporter is terminated.

User Response: The most likely cause of this error is one or more incorrect filenames in the JCL that runs the Reporter. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUREP

DFHAU5003 UNABLE TO OPEN FILE filename. RC return_code REASON reason_code

Explanation: The Reporter, Builder, or Scanner has been unable to open filename.

System Action: The Reporter, Builder, or Scanner is terminated.

User Response: If the codes are zero, it was a non-VSAM file that failed to open. Otherwise the return_code is as returned by VSAM in GPR 15, and the reason_code is the result of a subsequent SHOWCB ACB FIELDS=(ERROR) macro call. Check these in the DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets to determine the cause of the error.

The most likely cause of this message is missing or incorrect filenames in the JCL that runs the job. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUREPFM, CAULMS

DFHAU5004 GENCB FAILED FOR FILE filename. CB control_block RC return_code REASON reason_code

Explanation: The generation of a VSAM control_block failed for Reporter file filename.

System Action: The Reporter is terminated.

User Response: The return_code and reason_code are returned by VSAM in GPR 15 and GPR 0 respectively. Check the DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets to determine the cause of the error. Correct the problem and rerun the job. If the problem persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUREPFM

DFHAU5005 FILE NUMBER filenum IS INVALID.

Explanation: The file manager module (CAUREPFM) used by the Reporter and the Builder has been called with an invalid file number filenum.

System Action: The Reporter or Builder is terminated.

User Response: The most likely cause of this error is one or more incorrect filenames in the JCL that runs the Reporter. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUREPFM

DFHAU5006 ATTEMPTING TO (READ FROM | WRITE TO) THE (OUTPUT | INPUT) FILE filename.

Explanation: The Reporter or Builder attempted to read from the output file or write to the input file specified by filename.

System Action: The Reporter or Builder is terminated.

User Response: Rerun the job. If the problem persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUREPFM

DFHAU5007 RPL NUMBER rplnum IS INVALID FOR FILE filename.

Explanation: The RPL number rplnum is invalid for Reporter file filename.

System Action: The Reporter is terminated.

User Response: Rerun the job. If the problem persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUREPFM

DFHAU5008 TABLE NUMBER table_number IS INVALID.

Explanation: A request by the Reporter to read a table from the affinity data files was being processed but table_number was not valid.

System Action: The Reporter is terminated.

User Response: Rerun the job. If the problem persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUREPFM
DFHAU5009 COMMAND command FAILED FOR FILE filename.  
RPL rplnum RC returncode REASON reason_code

Explanation: The VSAM command has failed to execute for 
Reporter file filename.

System Action: The Reporter is terminated.

User Response: The return_code is as returned by VSAM in 
GPR 15, and the reason_code is the result of a subsequent 
SHOWCB RPL FIELDS=(FDBK) macro call. Check these in the 
DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets 
If the problem persists, you will need assistance from IBM. See 
Part 4 of the CICS Problem Determination Guide for guidance on 
how to proceed.

Note: This message cannot be changed with the message editing 
utility.

Destination: Console 
Module: CAUREPFM

DFHAU5010 INVALID ATTEMPT TO POSITION A NON-VSAM 
FILE.

Explanation: The Reporter has attempted file positioning on a 
non-VSAM file. This indicates a potential internal logic error in the 
Reporter.

System Action: The Reporter is terminated.

User Response: Rerun the job. If the problem persists, you will 
need assistance from IBM. See Part 4 of the CICS Problem 
Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing 
utility.

Destination: Console 
Module: CAUREPFM

DFHAU5011 NO TRANSACTION ENTRIES FOR TRANGROUP 
trangroup. REPORT INCOMPLETE.

Explanation: The Reporter could not find any transaction entries 
in the affinity data files for transaction group trangroup. This 
means, for example, that a record was found for a named 
temporary storage queue, but no records were found detailing the 
transactions that used that queue.

This is probably caused by a Detector abend or a CICS crash 
occurring in the middle of a Detector save, so the data saved to the 
affinity files is only partly complete. It could also be caused by 
iccorrect files.

System Action: The Reporter continues.

User Response: Check the validity of the affinity files as far as is 
possible. For example, check that the correct set of files is being 
input and that one is not from a different run of the Detector. 
Determine whether the Detector did abend or if CICS did not 
terminate normally; this is indicated by message DFHAU5035 
appearing at the start of the Reporter output. If message 
DFHAU5011 occurs frequently, rerun the Detector to produce a 
more complete set of data.

Note: This message cannot be changed with the message editing 
utility.

Destination: Console and SYSPRINT 
Module: CAUREPRM

DFHAU5012 INVALID PARM SPECIFIED. SSUMMARY ASSUMED.

Explanation: When invoking the Scanner, a PARM field has been 
specified on the EXEC that does not contain valid information.

System Action: The Scanner uses the default PARM of 
$SUMMARY.

User Response: Correct the PARM information and rerun if 
required.

Note: This message cannot be changed with the message editing 
utility.

Destination: Console 
Module: CAULMS

DFHAU5013 (GETMAIN | FREEMAIN) HAS FAILED. RETURN 
CODE return_code

Explanation: A Scanner or Builder MVS GETMAIN or MVS 
FREEMAIN macro has failed to execute successfully.

System Action: The Scanner or Builder is terminated.

User Response: Check the appropriate MVS manual for the 
meaning of return_code, which is the value of GPR 15 after the 
macro call. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing 
utility.

Destination: Console 
Module: CAULMS, CAUBLD, CAUBLDMR

DFHAU5014 INVALID PARM KEYWORD SPECIFIED. CORRECT 
AND RERUN.

Explanation: When invoking the Builder, a PARM field has been 
specified on the EXEC that contains an invalid keyword. The 
allowable keywords are MATCH, STATE, CONTEXT, and 
DSPSIZE.

System Action: The Builder is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing 
utility.

Destination: Console 
Module: CAUBLD

DFHAU5015 INVALID (MATCH | STATE | CONTEXT) VALUE 
SPECIFIED. CORRECT AND RERUN.

Explanation: When invoking the Builder, a PARM field has been 
specified on the EXEC that contains an invalid value for the 
keyword given.

Keyword | Allowed values
--------|-------------------
MATCH   | LUNAME and USERID
STATE   | ACTIVE and DORMANT
CONTEXT | plexname, one through eight characters

System Action: The Builder is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing 
utility.

Destination: Console 
Module: CAUBLD
DFHAU5016 DSPSIZE VALUE IS NOT NUMERIC. CORRECT AND RERUN.

Explanation: When invoking the Builder, a PARM field has been specified on the EXEC that contains an invalid value for keyword DSPSIZE. A character other than a digit in the range 0 through 9 was encountered. The value must be an integer in the range 2 through 2000.

System Action: The Builder is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUBLD

DFHAU5017 DSPSIZE IS INVALID. IT MUST BE BETWEEN 2 AND 2000.

Explanation: When invoking the Builder, a PARM field has been specified on the EXEC that contains an invalid value for keyword DSPSIZE. The value must be an integer in the range 2 through 2000.

System Action: The Builder is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUBLD

DFHAU5018 LOAD OF CAUTABM HAS FAILED. AC abcode RC reason_code

Explanation: The Builder attempted to load the table manager module (CAUTABM) but the MVS LOAD macro failed. The abcode is returned in GPR 1 and is the abend code that would have resulted had the task abended. The reason_code is returned in GPR 15 and is the reason code associated with the abend.

System Action: The Builder is terminated.

User Response: The MVS abcode and reason_code should indicate the cause of the error. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUBLD

DFHAU5019 DATASPACE IS TOO LARGE. NO STORAGE AVAILABLE.

Explanation: The Builder received a response from the table manager (CAUTABM) reporting that it was unable to obtain the amount of storage requested for the MVS dataspace because the MVS real storage manager does not have enough resources.

System Action: The Builder is terminated.

User Response: Decrease the dataspace size specified on the PARM field of the EXEC statement in the job, and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUBLD

DFHAU5020 DATASPACE IS TOO LARGE. IEFUSI LIMIT REACHED.

Explanation: The Builder received a response from the table manager (CAUTABM) that it was unable to obtain the amount of storage requested for the MVS dataspace, because MVS exit IEFUSI has imposed a limit on address space size.

System Action: The Builder is terminated.

User Response: Either decrease the dataspace size specified on the PARM field of the EXEC statement in the job, or ask your MVS system programmer to increase the IEFUSI limit. Rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUBLD

DFHAU5021 CAUTABM CREATE DATASPACE FAILED. REASON reason_code ERROR error_code

Explanation: The Builder received an invalid response when issuing a call to the table manager (CAUTABM) to create the MVS dataspace.

System Action: The Builder is terminated.

User Response: See the CICS Transaction Affinities Utility Guide for the meaning of the reason code.

If it is AUTM_DSPSERV_CREATE_ERROR, error_code is the value of GPR 0 after the MVS DSPSERV CREATE call.

If it is AUTM_ALESERV_ADD_ERROR, error_code is the value of GPR 15 after the MVS ALESERV ADD call. Use the appropriate MVS manual to find out the meaning of the error code.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUBLD

DFHAU5022 CAUTABM CREATE TABLE FAILED. REASON reason_code TABLE table_number

Explanation: The Builder received an invalid response when issuing a create table call to the table manager (CAUTABM) for table table_number.

System Action: The Builder is terminated.

User Response: See the CICS Transaction Affinities Utility Guide for the meaning of the reason code and the table number.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUBLD

DFHAU5023 KEYWORD keyword IS INVALID OR UNEXPECTED.

Explanation: When reading statements from its REPGRPS input stream, the Builder encountered a keyword it did not recognize, or a keyword that occurred in an unexpected place.

System Action: The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

User Response: Refer to the CICS Transaction Affinities Utility Guide to correct the statement, and rerun the job. A likely cause of this message is the omission of the terminating semicolon from the preceding statement.
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DFHAU5024 KEYWORD keyword IS MISSING.
Explanation: When reading statements from its REPGRPS input stream, the Builder encountered a statement in which the required keyword keyword was missing.
System Action: The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.
User Response: Refer to the CICS Transaction Affinities Utility Guide to correct the statement, and rerun the job.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: CAUBLDIN

DFHAU5025 A VALUE OF value IS INVALID FOR KEYWORD keyword.
Explanation: When reading statements from its REPGRPS input stream, the Builder encountered an invalid value for keyword keyword.
System Action: The Builder skips to the next keyword and continues, but terminates when the end of the input is encountered.
User Response: Refer to the CICS Transaction Affinities Utility Guide to correct the statement, and rerun the job.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: CAUBLDIN

DFHAU5026 INVALID CREATE TYPE.
Explanation: When reading statements from its REPGRPS input stream, the Builder encountered a CREATE statement. The only keywords that are allowed to follow immediately after the CREATE keyword are TRANGRP and DSTRINGRP.
System Action: The Builder skips to the next input statement and continues, but will terminate when the end of the input is encountered.
User Response: Refer to the CICS Transaction Affinities Utility Guide to correct the statement, and rerun the job.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: CAUBLDIN

DFHAU5027 INCORRECT NUMBER OF BRACKETS.
Explanation: When reading statements from its REPGRPS input stream the Builder encountered a keyword for which a corresponding value was expected. This value is invalid because it:
- Does not start with a bracket
- Does not end with a bracket
- Contains a bracket in the middle
- Spans input lines.

System Action: The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.
User Response: Refer to the CICS Transaction Affinities Utility Guide to correct the statement, and rerun the job.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: CAUBLDIN

DFHAU5028 MISSING SEMICOLON.
Explanation: When reading statements from its REPGRPS input stream the Builder encountered the end of the input in the middle of a statement, implying that a terminating semicolon is missing from the last statement.
System Action: The Builder is terminated.
User Response: Refer to the CICS Transaction Affinities Utility Guide to correct the statement, and rerun the job.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: CAUBLDIN

DFHAU5029 KEYWORD keyword IS DUPLICATED.
Explanation: When reading statements from its REPGRPS input stream the Builder encountered a keyword that occurred more than once in the same statement. Duplicate keywords are not allowed.
System Action: The Builder continues, but terminates when the end of the input is encountered.
User Response: Refer to the CICS Transaction Affinities Utility Guide to correct the statement, and rerun the job.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: CAUBLDIN

DFHAU5030 NO VALID STATEMENTS IN REPGRPS. PROCESSING TERMINATED.
Explanation: When reading statements from its REPGRPS input stream the Builder did not find a single complete statement.
System Action: The Builder is terminated.
User Response: The most likely cause of this message is an empty input file. Correct the problem and rerun the job.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: CAUBLDMR

DFHAU5031 CAUTABM ERROR function ELEMENT. TABLE table_number REASON reason_code MODULE progname
Explanation: Builder module progname received an unexpected response when issuing a call to the table manager (CAUTABM).
System Action: The Builder is terminated.
User Response: The function is the operation being performed. See the CICS Transaction Affinities Utility Guide for the meaning of the reason code and the table number.
DFHAU5032

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** CAUBLDMR, CAUBLDOT

DFHAU5032 NO HEADER RECORD FOUND. STATEMENT IGNORED.

**Explanation:** When reading statements from its REPGRPS input stream, the Builder encountered a CREATE statement. However, no HEADER statement had been encountered first. The HEADER statement is mandatory and must be the first statement in each data set in the REPGRPS concatenation.

**System Action:** The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

**User Response:** Ensure that each data set in the REPGRPS concatenation has a HEADER statement as the first statement in the data set. Correct the problem and rerun the job.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** CAUBLDMR

DFHAU5033 DUPLICATE TRANGRP NAME.

**Explanation:** When reading statements from its REPGRPS input stream, the Builder encountered a CREATE statement. However, the trangroup name supplied in the statement is not unique within the current input data set. Duplicate trangroup names are not allowed.

**System Action:** The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

**User Response:** Ensure that each CREATE TRANGRP statement within the data set specifies a unique trangroup name. If this is already the case, the probable cause of this message is that the HEADER statement is missing from the data set. Correct the problem and rerun the job.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** CAUBLDMR

DFHAU5034 TRANGRP DOES NOT ALREADY EXIST.

**Explanation:** When reading statements from its REPGRPS input stream, the Builder encountered a CREATE DTRINGRP statement. However, no corresponding valid CREATE TRANGRP statement for the trangroup in question was encountered.

**System Action:** The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

**User Response:** Either the CREATE TRANGRP statement was missing or was in error. Correct the problem and rerun the job.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** CAUBLDMR

DFHAU5035 AFFINITY DATA MAY BE INCOMPLETE BECAUSE OF {DETECTOR | UNKNOWN} ABEND.

**Explanation:** The control record on affinity control file CAUCNTL indicates that the Detector did not stop cleanly, for the reason given.

**DETECTOR** The Detector abended

UNKNOWN CICS terminated abnormally as a result of either a crash or EXEC CICS PERFORM SHUTDOWN IMMEDIATE

If this occurred during a Detector save, then the data on the affinity files may be incomplete.

**System Action:** The Reporter continues.

**User Response:** Incomplete data may be indicated by frequent appearance of message DFHAU5011. If this case, rerun the Detector to produce a more complete set of data.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** CAUREP

DFHAU5036 DATASPACE IS FULL.

**Explanation:** A Builder module received a reason code of AUTM_NO_STORAGE when issuing a call to the table manager (CAUTABM) to add an element to a table. The dataspace is full.

**System Action:** The Builder is terminated.

**User Response:** Increase the dataspace size specified on the PARM field of the EXEC statement in the job, and rerun the job.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** CAUBLDMR

DFHAU5037 NO VALID TRANSIDS IN REPGRPS. PROCESSING TERMINATED.

**Explanation:** When reading statements from its REPGRPS input stream, the Builder did not find a single valid CREATE DTRINGRP statement.

**System Action:** The Builder is terminated.

**User Response:** The most likely cause of this message is an input stream that contains valid CREATE TRANGRP statements, but no CREATE DTRINGRP statements. Correct the problem and rerun the job.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** CAUBLDMR

DFHAU5038 INVALID AFFLIFE FOR AFFINITY.

**Explanation:** When reading statements from its REPGRPS input stream, the Builder encountered a CREATE TRANGRP statement. However, the value specified for AFFLIFE is not one of those permitted given the value specified for AFFINITY.

**System Action:** The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

**User Response:** Refer to CICS Problem Determination Guide to correct the statement, and rerun the job.
DFHAU5042 INVALID PARM KEYWORD SPECIFIED. CORRECT AND RERUN.

Explanation: When invoking the Builder or Reporter, a PARM field has been specified on the EXEC that contains an invalid keyword. Duplicate keywords are not allowed.

System Action: The Builder or Reporter is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUREP

DFHAU5043 INVALID {WORSEN} VALUE SPECIFIED. CORRECT AND RERUN.

Explanation: When invoking the Reporter, a PARM field has been specified on the EXEC that contains an invalid value for the keyword given.

Keyword| Allowed values
---|---
WORSEN| YES and NO

System Action: The Reporter is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: CAUREP

DFHBAXxxx messages

DFHBA0001 applid An abend (code code) has occurred at offset X'offset' in module modname.

Explanation: An unexpected program check or abend occurred with code code.aaa/bbbb.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This may have been caused by corruption of CICS code or control blocks.

System Action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Modules: DFHBAAC, DFHBAAC1, DFHBAAC2, DFHBAAC3, DFHBAAC4, DFHBAAC5, DFHBAAC6, DFHBAAC7, DFHBAAC8

DFHBA0002 applid A severe error (code code) has occurred in module modname.

Explanation: The BA domain has received an unexpected error response from some other part of CICS. The operation requested by recovery manager is described by code X'code'.

For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System Action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

XMEOUT Parameters: applid, code, X'offset', module
| Message DFHME0116 is normally produced containing the symptom string for this problem. |
| User Response: Investigate the cause of the problem as follows: |
| 1. Determine if the problem can be explained by any previous messages issued from some other CICS component. |
| 2. Examine the symptom string. |
| 3. Examine the dump. |
| If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. |
| Destination: Console |
| Modules: DFHBAAC, DFHBAAC1, DFHBAAR1, DFHBAVR, DFHBACO1, DFHBACR, DFHBADM, DFHBALR1, DFHBAPR, DFHBAPT1, DFHBASP, DFHBATT, DFHBAUE, DFHBAXM |
| XMEOUT Parameters: applid, X'termid', module |

**DFHBA0101 date time applid An error has occurred while writing an auditlog record to log logname. Logging has been suspended.**

**Explanation:** The BA Write audit record request has failed.

**System Action:** Normal processing continues with logging of audit records to the specified log suspended.

**User Response:** Determine if the problem can be explained by any previous messages issued from some other CICS component.

If the log is successfully reconnected, audit logging will be resumed, see message DFHBA0102. If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CSBA

**Module:** DFHBAAR2

**XMEOUT Parameters:** date, time, applid, logname

**DFHBA0102 date time applid Audilog writing to log logname has been successfully resumed.**

**Explanation:** The BA Write audit record requests has resumed after being suspended.

**System Action:** Audit logging has resumed.

**User Response:** None.

**Destination:** Console and Transient Data Queue CSBA

**Module:** DFHBAAR2

**XMEOUT Parameters:** date, time, applid, logname

**DFHBA0103 date time applid terminal userid tranid processtype definition entry processtype has been deleted.**

**Explanation:** This is an audit log message indicating that Processtype entry processtype has been deleted using the DISCARD command Where:

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the transaction that completed the activity.
- **tranid** is the user identifier of the transaction that completed the activity.

**System Action:** The system continues normally.

| User Response: None. |
| Destination: CSBA |
| Module: DFHBATT |
| XMEOUT Parameters: date, time, userid, tranid, processtype |

**DFHBA0104 date time applid The root activity of process processname of processtype processtype has completed status ABENDED, code abendcode.**

**Explanation:** This indicates that the root activity of the process processname, of processtype processtype, has completed abnormally with abendcode.

- **transid** is the tranid of the activation that completed the activity.
- **userid** is the user identifier of the transaction that completed the activity.

**System Action:** The root activity is marked complete abended in the BTS repository in the normal way and the system continues normally.

**User Response:** None.

**Destination:** CSBA

**Module:** DFHBAAC

**XMEOUT Parameters:** date, time, applid, processname, processtype, abendcode, userid

**DFHBA0201 Module module load of DFHMEBM failed, reason code X'rcode' system code X'scode'.**

**Explanation:** The program has failed to load module DFHMEBM.

The message contains the name of the module that detected the error, the reason code and the system code from the failed load.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHATUP DFHBARUP

**DFHBA0202 Module module load of modname failed, reason code X'rcode' system code X'scode'.**

**Explanation:** The program has failed to load module DFHMEBM.

The message contains the name of the module that detected the error, the language table name, the reason code and the system code from the failed load.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

**Note:** This message cannot be changed with the message editing utility.
Chapter 1. DFH messages
DFHBA0211 Module: exec parameter error, invalid NATLANG field at position position.
Explanation: An exec parameter error has been detected.
A invalid natlang field has been found. The message contains the name of the module that detected the error and the position of the invalid field.
System Action: The program terminates with return code 12.
User Response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: Console
Modules: DFHATUP DFHBARUP

DFHBA0212 Module: exec parameter error, duplicate NATLANG keyword at position position.
Explanation: An exec parameter error has been detected.
A duplicate natlang keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.
System Action: The program terminates with return code 12.
User Response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: Console
Modules: DFHATUP DFHBARUP

DFHBA0213 Open of SYSIN failed in module module.
Explanation: An open of SYSIN failed.
The message contains the name of the module that detected the error.
System Action: The program terminates with return code 12.
User Response: Check if any additional system messages have been issued that may help you to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Modules: DFHATUP DFHBARUP

DFHBA0214 Module: invalid keyword at position position.
Explanation: A SYSIN parameter error has been detected.
A invalid keyword has been found. The message contains the name of the module that detected the error and the position of the invalid keyword.
System Action: The program terminates with return code 12 after all the SYSIN parameters have been processed.
User Response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Modules: DFHATUP DFHBARUP

DFHBA0215 Module: invalid keyword field length at position position.
Explanation: A sysin parameter error has been detected.
An invalid keyword field length has been detected. The message contains the name of the module that detected the error and the position of the invalid keyword.
System Action: The program terminates with return code 12 after all the sysin parameters have been processed.
User Response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Modules: DFHATUP DFHBARUP

DFHBA0216 Module: invalid keyword field at position position.
Explanation: A sysin parameter error has been detected.
An invalid keyword field has been found. The message contains the name of the module that detected the error and the position of the invalid keyword.
System Action: The program terminates with return code 12 after all the sysin parameters have been processed.
User Response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Modules: DFHATUP DFHBARUP

DFHBA0217 Module: unexpected keyword at position position.
Explanation: A sysin parameter error has been detected.
An unexpected keyword has been found. The message contains the name of the module that detected the error and the position of the unexpected keyword.
System Action: The program terminates with return code 12.
User Response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Modules: DFHATUP DFHBARUP

DFHBA0218 Module: duplicate auditlog keyword at position position.
Explanation: A sysin parameter error has been detected.
A duplicate auditlog keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.
System Action: The program terminates with return code 12 after all the sysin parameters have been processed.
User Response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Modules: DFHATUP DFHBARUP
DFHBA0219 Module module continuation not allowed.
Explanation: A sysin parameter error has been detected.
A parameter card contains an invalid continuation character. The message contains the name of the module that detected the error.
System Action: The program terminates with return code 12 after all the sysin parameters have been processed.
User Response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Modules: DFHATUP DFHBARUP

DFHBA0220 Module module unexpected end of file.
Explanation: A sysin parameter error has been detected.
The last sysin card read before end of file was reached has a continuation indicator. The message contains the name of the module that detected the error.
System Action: The program terminates with return code 12.
User Response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Modules: DFHATUP DFHBARUP

DFHBA0221 Error opening file in module module.
Explanation: An open of the auditlog has failed.
The message contains the name of the module that detected the error and the name of auditlog data set.
System Action: The program terminates with return code 12.
User Response: Check if any additional system messages have been issued that may help you to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Module: DFHATUP

DFHBA0222 Module module terminated because of errors, check SYSPRINT for details.
Explanation: The program has detected errors that have caused it to terminate.
Additional error messages have been output to SYSPRINT.
System Action: The program terminates with return code 12.
User Response: Use the additional messages output to SYSPRINT to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

DFHBA0223 Module module terminated because of errors, check previous console messages for details.
Explanation: The program has detected errors that have caused it to terminate.
Additional error message will have been issued at the console.
System Action: The program terminates with return code 12.
User Response: Use the additional messages issued at the console to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: Console
Modules: DFHATUP DFHBARUP

DFHBA0224 Gencb failed in module module. R15 = 'X'r15val' R0 = 'X'r0val'.
Explanation: A Vsam gencb macro call has failed.
The message contains the name of the module that issued the failed gencb and the register 15 and 0 values at the time of the error. At the time of the error register 15 contains the return code and register 0 contains the reason code. The reason code is only valid if the return code is 4.
System Action: The program terminates with return code 12.
User Response: Use the return code and reason code values to determine the cause of the problem.
Check if any additional system messages have been issued that may help you to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Module: DFHBARUP

DFHBA0225 Modcb failed in module module. R15 = 'X'r15val' R0 = 'X'r0val'.
Explanation: A Vsam modcb macro call has failed.
The message contains the name of the module that issued the failed modcb and the register 15 and 0 values at the time of the error. At the time of the error register 15 contains the return code and register 0 contains the reason code. The reason code is only valid if the return code value is 4.
System Action: The program terminates with return code 12.
User Response: Use the return code and reason code values to determine the cause of the problem.
Check if any additional system messages have been issued that may help you to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Module: DFHBARUP
DFHBA0226 Showcb failed in module module. R15 = X'r15val' R0 = X'r0val'.
Explanation: A Vsm showcb macro call has failed.
The message contains the name of the module that issued the failed showcb and the register 15 and 0 values at the time of the error. At the time of the error register 15 contains the return code and register 0 contains the reason code. The reason code is only valid if the return code value is 4.
System Action: The program terminates with return code 12.
User Response: Use the return code and reason code values to determine the cause of the problem.
Check if any additional system messages have been issued that may help you to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Module: DFHBARUP

DFHBA0227 Error opening file in module module. R15 = X'r15val'
reason code = X'reasval'.
Explanation: A Vsm open macro call has failed.
The message contains the name of the data set being opened, the name of the module issuing the open, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.
System Action: If the register 15 value is 4 the program continues. If the register 15 value is 8 or greater the program terminates with return code 12.
User Response: Use the return code and reason code values to determine the cause of the problem.
Check if any additional system messages have been issued that may help you to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Module: DFHBARUP

DFHBA0228 Error closing file in module module. R15 = X'r15val'
reason code = X'reasval'.
Explanation: A Vsm close macro call has failed.
The message contains the name of the data set being closed, the name of the module issuing the close, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.
System Action: The program continues. This may indicate a problem with the repository data set.
User Response: Use the return code and reason code values to determine the cause of the problem.
Check if any additional system messages have been issued that may help you to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.

DFHBA0229 Get for file failed in module module. R15 = X'r15val'
reason code = X'reasval'.
Explanation: A Vsm get macro call has failed.
The message contains the name of the data set that the get is being issued against, the name of the module issuing the get, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.
System Action: The program terminates with return code 12.
User Response: Use the return code and reason code values to determine the cause of the problem.
Check if any additional system messages have been issued that may help you to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Module: DFHBARUP

DFHBA0230 Point for file failed in module module. R15 = X'r15val'
reason code = X'reasval'.
Explanation: A Vsm point macro call has failed.
The message contains the name of the data set that the point failed on, the name of the module issuing the point, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.
System Action: The program terminates with return code 12.
User Response: Use the return code and reason code values to determine the cause of the problem.
Check if any additional system messages have been issued that may help you to determine the cause of the problem.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Module: DFHBARUP

DFHBA0231 The set of records associated with the activity or process being read are not complete.
Explanation: The set of process or activity records being read is incomplete.
System Action: The program continues processing with the next process or activity.
User Response: If the repository file is being accessed by a CICS region while the DFHBARUP job is running the CICS region or regions have deleted the set of records being processed by DFHBARUP.
If this is not the case then further investigation will be required.
If the problem cannot be determined and corrected, you will need further assistance from IBM.
Destination: SYSPRINT
Module: DFHBARUP
DFHBA0232 No records selected by module module.

Explanation: No records have been selected for printing.
The message contains the name of the module involved.
System Action: The program completes with return code 0.
User Response: Check that the selection parameters are correct
and the correct file is being processed.
If the problem cannot be determined and corrected, you will need
further assistance from IBM.
Destination: Console
Modules: DFHATUP DFHBARUP

DFHBA0233 Module module has completed processing.

Explanation: Processing has completed.
The message contains the name of the module involved.
System Action: The program completes with return code 0.
User Response: None
Destination: Console
Modules: DFHATUP DFHBARUP

DFHBA0234 Module module has a duplicate repository keyword
at position position.

Explanation: A sysin parameter error has been detected.
A duplicate repository keyword has been found. The message
contains the name of the module that detected the error and the
position of the duplicate keyword.
System Action: The program terminates with return code 12 after
all the sysin parameters have been processed.
User Response: Correct the error and submit the job again.
If the problem cannot be determined and corrected, you will need
further assistance from IBM.
Destination: SYSPRINT
Module: DFHBARUP

DFHBRxxxx Bridging to 3270 Transactions messages

DFHBR0201 date time applid Transaction tranid abend abcode in
bridge exit brexit bridge transaction bridge

Explanation: The Bridge exit brexit terminated abnormally with
abend code abcode.
abcode is either a CICS transaction abend code or a user abend
code generated by a CICS ABEND ABCODE(abcode) command.
This command is issued either by a user program or by an IBM
program (for example, a programming language library module).
Unless the abend occurred whilst the bridge exit was processing
the termination or abend call, this abend will also result in CICS
issuing a ABRQ abend. In this case a DFHAC2236 abend
message will follow this message. See that message for details
about recoverable resources.
System Action: Abend ABRQ will be issued unless the
transaction is calling the bridge exit for termination or abend
processing.
User Response: Use the abend code abcode to diagnose the
problem. If the abend is issued by an IBM program product other
than CICS, the code is documented in the library of that other
product.
Alternatively, there might be a logic error in the bridge exit program
brexit. For programming information about coding bridge exit
programs see the CICS Customization Guide.
Destination: CSMT
Module: DFHBRIC, DFHBRMS, DFHBRSP, DFHBRTC,
DFHBRXM, DFHBRRM
XMEOUT Parameters: date, time, applid, tranid, abcode, brexit,
bridge

DFHCAxxxx messages

DFHCA5100 S date time applid netname tranid Severe error in
module modname. Abend code: abcode

Explanation: An internal error has occurred in module modname,
when invoked by a CSD utility command.
System Action: Processing terminates abnormally with an
operating system dump and abend code abcode.
The CSD utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.
User Response: See the description of abend code abcode for
guidance.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid,
modname, abcode

DFHCA5101 I date time applid netname tranid command command
executed successfully.

Explanation: The execution of a CSD utility command command
completed successfully.
System Action: Normal processing continues.
User Response: None.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid,
command
Warning: message(s) issued while processing command.

Explanation: The CSD utility issued messages during syntax-checking and execution of the command.

System Action: Normal utility processing continues to the end of the job.

User Response: Review the warning messages to see how they have affected utility processing. Then decide whether you need to submit a further CSD utility job.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, command

Error(s) occurred while processing command.

Explanation: The CSD utility either found a syntax error in the utility command, or the command failed to execute correctly.

System Action: Utility command execution is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: If the command failed because of syntax errors, correct the command. If the command failed to execute correctly, this may have been caused by a previous error. In this case, an associated error message, such as DFHCA5275, should have been issued. Refer to these error messages for further guidance.

Correct all errors before trying to open the CSD file again.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, command

Subsequent commands (except LIST) are not executed because of error(s) above.

Explanation: After the CSD utility program encounters an error, it ceases to execute any further commands read from a data stream (as opposed to supplied by a put-message exit routine). However, it continues to check the syntax of subsequent commands. The exception is the LIST command, which is still executed if the primary CSD file can be opened.

System Action: Subsequent CSD utility commands (except LIST) are ignored.

User Response: Check for a syntax error in the commands used, and correct it. There should be associated error messages which identify the problem that caused DFHCSDUP to halt active processing. These messages should appear in the DFHCSDUP output before message DFHCA5104 is issued.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, command

Commands not executed after error(s):

Explanation: The CSD utility has completed input command processing. Commands giving warnings may or may not have been executed successfully.

System Action: Normal processing continues to the end of the job.

User Response: If any CSD utility commands in error were executed, decide if the results are what you want. If not, correct them and resubmit in another job. If any commands were not executed, you must resubmit them. (See message DFHCA5108.)

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, ns, nw, ne

Commands not executed because of previous error(s).

Explanation: If a syntax error (or an execution error) occurred in a command read from a data stream and processed earlier, no further commands (except for LIST commands) are executed. If the primary CSD file could not be opened, the LIST command is not executed either.

System Action: The CSD utility command is not executed.

User Response: Check for syntax errors or execution errors in commands processed earlier. Correct the invalid commands.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, command

Commands executed successfully:

Explanation: The CSD utility has completed input command processing.

System Action: Normal processing continues to the end of the job.

User Response: If any CSD utility commands in error were executed, decide if the results are what you want. If not, correct them and resubmit in another job.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, ns, nw, ne

Commands in error:

Explanation: The CSD utility has completed input command processing.

System Action: Normal processing continues to the end of the job.

User Response: Correct the commands in error and resubmit them in another job.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, nn
Chapter 1. DFH messages

DFHCA5109 I date time applid netname tranid End of DFHCSUDP utility job. Highest return code was: retcode

Explanation: The CSD utility job is complete.
System Action: Control returns to the invoker, that is, either to the operating system or to an invoking program.
User Response: None.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, retcode

DFHCA5110 W date time applid netname tranid Error found in XMEOUT Parameters: date, time, applid, netname, tranid, csdtype

Explanation: The value of the PARM parameter on the EXEC statement in the JCL to run the DFHCSUDP utility is incorrect.
System Action: The CSD is opened for read and write operations.
User Response: Correct the erroneous PARM value. The incorrect value can be found in the job control language used to execute DFHCSUDP.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5111 S date time applid netname tranid The csdtype CSD has not been initialized. Command not executed.

Explanation: The primary CSD file must be initialized before any CSD utility command (other than the INITIALIZE or SERVICE commands) can be processed. If a secondary CSD file is used, it must always be initialized before this command can be processed. CICS issues this message if you try to break either of these rules, or if an attempt to initialize a CSD file fails to complete successfully.
System Action: The CSD utility ignores the command.
User Response: Initialize the CSD file. You may first have to determine why a previous initialization attempt failed.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, csdtype

DFHCA5112 I date time applid netname tranid csdtype CSD opened; ddname: ddname

Explanation: The VSAM data set specified in the JCL has been successfully opened, and is identified as the primary or secondary CSD file. (All utility commands processed will use the same primary CSD file. Different secondary CSD files may be accessed by different utility commands.)
System Action: Normal processing continues.
User Response: None.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, csdtype, ddname

DFHCA5113 S date time applid netname tranid I/O error while opening csdtype CSD; ddname: ddname

Explanation: An I/O error occurred when reading or writing control records of the VSAM data set identified in the JCL as the primary or secondary CSD file.
System Action: The utility command is not executed.
User Response: Retry the utility command that failed. If the problem persists, restore the CSD file from your own backup procedures.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, csdtype, ddname

CICS Operations and Utilities Guide describes how to code the PARM parameter data on EXEC job step. This is already initialized. Command not executed.

Explanation: The CSD file remains uninitialized, and no utility commands are processed.
System Action: The CSD file remains uninitialized, and no utility commands are processed.
User Response: None.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
DFHCA5122 S  date time applid netname tranid VSAM error while opening csdtype CSD; ddname: ddname

Explanation: A VSAM error occurred when opening the data set identified in the JCL as a primary or secondary CSD file.

System Action: The utility command is not executed.

User Response: Refer to the VSAM diagnostics output in message DFHCA5179 for further information and guidance.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, csdtype, ddname

DFHCA5123 I  date time applid netname tranid csdtype CSD closed; ddname: ddname

Explanation: The VSAM data set used as the primary or secondary CSD file has been successfully closed, with control records updated if necessary. (The primary CSD file is closed after all the utility commands have been processed; the secondary CSD file is closed after the command for which it was opened.)

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, csdtype, ddname

DFHCA5124 S  date time applid netname tranid Processing terminated. Corrupted csdtype CSD control record detected while closing CSD; ddname: ddname

Explanation: A storage corruption is preventing the CSD control records from being updated when the CSD file is being closed.

System Action: No further CSD utility commands are processed.

User Response: Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the errors have occurred because they do not print and are therefore easily identifiable.

Using the information available, determine the cause of the errors and correct them.

If you cannot resolve the problem, or if the problem persists, you will need further help from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, csdtype, ddname

DFHCA5125 S  date time applid netname tranid Error occurred while closing csdtype CSD. File is full; ddname: ddname

Explanation: After processing the CSD utility commands, the CSD control records are updated before closing the data set.

Updating failed because data set ddname was full.

System Action: Utility command processing is terminated.

User Response: Initialize a new primary CSD file with a larger data set size. Then use the IDCAMS IMPORT and EXPORT commands to restore the CSD file onto a larger data set. If you have a recoverable CSD and you update it from CICS in RLS mode, there are extra steps required to ensure that any retained locks remain associated with the data set. These are explained in the CICS Recovery and Restart Guide.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, csdtype, ddname

DFHCA5126 S  date time applid netname tranid I/O error while closing csdtype CSD; ddname: ddname

Explanation: An I/O error occurred when reading or writing the control records of the CSD file before closing VSAM data set ddname.

System Action: No further utility commands are executed.

User Response: Resubmit the utility commands that failed. If the problem persists, restore the CSD file from your own backup procedures.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, csdtype, ddname

DFHCA5127 S  date time applid netname tranid VSAM error while closing csdtype CSD; ddname: ddname

Explanation: A VSAM error occurred when closing the data set ddname in the JCL as the primary or secondary CSD file.

System Action: No further CSD utility commands are executed.

User Response: Refer to the VSAM diagnostics output in message DFHCA5179 for further information and guidance.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, csdtype, ddname

DFHCA5128 S  date time applid netname tranid Processing terminated. csdtype CSD accessed by another user and could not be shared. ddname: ddname

Explanation: An attempt to open the CSD has returned an error from VSAM because the data set is not available for the type of processing requested.

This usually means that

- An attempt has been made to open the CSD in non-RLS access mode, but the CSD is already being accessed from elsewhere in RLS access mode.
• An attempt has been made to open the CSD in RLS access mode, but the CSD is already being accessed from elsewhere in non-RLS access mode.

• An attempt has been made to open the CSD in non-RLS access mode, and the CSD is already being accessed in non-RLS access mode, but the CSD cluster has been defined with SHAREOPTIONS that restrict its concurrent use.

System Action: The command is not executed.
User Response: You can change the access mode in which you are trying to open the CSD.
Note: You must specify PARM=CSD(READONLY) if you wish to open a recoverable CSD in RLS access mode from the DFHCSDUP utility program.

Alternatively, wait until the CSD file is no longer being accessed in the conflicting access mode, or until it becomes available again in accordance with the SHAREOPTIONS rules defined for the cluster.

If the conflict is due to SHAREOPTIONS and LIST is the only access mode, or until it becomes available again in accordance with the SHAREOPTIONS rules defined for the cluster.

User Response: None.
System Action: Redefine the data set and rerun the INITIALIZE command.
Explanation: The CEDA transaction was used to create a list while the INITIALIZE command was executing.

User Response: Ensure that the DFHCICS module is present in the library.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, listid

DFHCA5130 E date time applid netname tranid Unable to locate module DFHCICS. Primary CSD not initialized.

Explanation: The DFHCICS module is missing from the library.

System Action: Processing of the INITIALIZE command is terminated.

User Response: None.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5131 I date time applid netname tranid List listid created.

Explanation: The INITIALIZE command has created the header for an IBM-protected list.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, listid

DFHCA5132 S date time applid netname tranid Unable to create list listid

Explanation: The INITIALIZE command has failed when calling the CSD manager routing program, DFHDMP, to create a new list listid on the CSD file for the IBM-protected groups. The CSD file may be full or corrupt.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Check that the data set size for the CSD file is large enough. If it is not, allocate more space.

If there is ample space and you suspect that the CSD file is corrupt, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, listid

DFHCA5133 S date time applid netname tranid CSD contains one or more lists. No lists may be present on the CSD when the INITIALIZE command is issued.

Explanation: The CEDA transaction was used to create a list while the INITIALIZE command was executing.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Redefine the data set and rerun the INITIALIZE command.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5134 S date time applid netname tranid Error occurred while adding group gpname to list listid

Explanation: A call to the CSD manager routing program, DFHDMP, to write the definition of group gpname to the CSD file as a member of an IBM-protected list listid created an error. The CSD file may be full or corrupt.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Increase the data set size for the CSD file and repeat the INITIALIZE request. If this fails, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, gpname, listid

DFHCA5135 I date time applid netname tranid Group gpname added to list listid

Explanation: A group definition gpname has been satisfactorily created on the CSD file in list listid.

System Action: Processing continues.

User Response: None.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, gpname, listid

DFHCA5136 W date time applid netname tranid Group gpname is already a member of list listid

Explanation: Group gpname already exists in list listid. CICS does not create a duplicate entry.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT
Module: DFHCAP
**DFHCA5139 W**

**XMEOUT Parameters:** date, time, applid, netname, tranid, grpname, listid

**DFHCA5139 W date time applid netname tranid Consider implications of migrating TYPE=SHARED entries.**

**Explanation:** The CSD utility detected a migrate of a TST TYPE=SHARED entry. A DFHTST TYPE=SHARED entry is not directly migrated. Only when a TYPE=REMOTE macro that specifies a SYSIDNT that matches a SYSID in the corresponding TYPE=SHARED macro is a TSMODEL created.

**System Action:** The CSD utility continues processing of the MIGRATE command.

**User Response:** If SYSID is explicitly specified on the EXEC CICS request, or added by a global user exit program, and the intent of the SYSID is to direct the request to a SHARED TS pool, you must use the migrated TST in order to satisfy the request to use the pool. See the CICS Resource Definition Guide for more information.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

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**DFHCA5140 I date time applid netname tranid Total xxxxxxxx definitions created: nn**

**Explanation:** CICS issued this message after migrating a CICS table. nn definitions of type xxxxxxxx have been created on the CSD file.

**System Action:** Normal utility processing continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

---

**DFHCA5141 S date time applid netname tranid Unable to create new group grpname**

**Explanation:** The MIGRATE command failed when calling the CSD manager routing program, DFHDMP, to create a new group grpname on the CSD file for the data in the table being migrated. The CSD file may be full, corrupt, or not initialized. The group name may be invalid.

**System Action:** Processing of the MIGRATE command is terminated.

**User Response:** Check the group name in the TOGROUP parameter. Reinitialize the CSD file with the INITIALIZE command, providing a larger data set size if necessary.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

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**DFHCA5142 E date time applid netname tranid Command not executed. lgname was not updated because of a previous update failure.**

**Explanation:** The list or group lgname cannot be used because an operation to update it, using the DFHCSUDP offline utility, failed to execute to completion.

This has probably happened in a previous execution of DFHCSUDP.

**System Action:** The command is not executed, and the execution of subsequent DFHCSUDP commands in the job stream is suppressed.

**User Response:** Use the DFHCSUDP VERIFY command to remove the in-flight flag detected when this message is produced.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, lgname

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**DFHCA5143 I date time applid netname tranid Group grpname created.**

**Explanation:** A new CSD group, grpname, has been created for the data in the table being migrated.

**System Action:** Migration continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, grpname

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**DFHCA5145 E date time applid netname tranid Command not executed. lgname has been locked by applid: applid opid to prevent updating.**

**Explanation:** The list or group lgname cannot be used because a user of the CEDA or CEDB transaction has enforced a LOCK command to prevent updating by other users.

**System Action:** The command is not executed.

If commands are being read from a SYSTIN data stream, subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, the DFHCSUDP utility attempts to process subsequent commands.

**User Response:** Negotiate with the user with the specified OPID and APPLID, or create a new group or list by taking a copy of the definitions in the locked one.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, lgname, applid, opid
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DFHCA5146 E date time applid netname tranid Command not executed. Ignname is currently being updated by applid: applid opid: opid

Explanation: The list or group Ignname cannot be used because:

- A user of the CEDA or CEDB transaction is currently running a command to update it
- A previous operation to update it using CEDA or CEDB failed to execute to completion.

System Action: The command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

User Response: Resubmit the utility job to retry the command that failed. Perform the subsequent commands that were suppressed.

If this fails to resolve the problem, run the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, Ignname

DFHCA5147 E date time applid netname tranid Command not executed. Ignname already exists as a group-or-list

Explanation: The name chosen for the target group (or list) duplicates that of an existing group or list on the CSD file.

System Action: Processing of the utility command is terminated.

User Response: Choose a different name for the target group.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, Ignname, group-or-list

DFHCA5148 E date time applid netname tranid Unable to get storage for tabletype table named table

Explanation: There is insufficient storage to satisfy a GETMAIN request for table table.

System Action: The system action depends on the table specified as follows:

LD (language definition table)
- The CSD utility cannot process any commands, and terminates with a dump. The MVS user abend code is 0327.

FCT and RDT
- The CSD utility cannot migrate the table, and terminates processing of the utility command.

User Response: Allocate additional storage. If your TCT assembly and link-editing is successful, the RDT should be in the library. The LD is in the load library of the supplied regenerated CICS system.

Destination: CSMT
Module: DFHCAP

DFHCA5149 E date time applid netname tranid Command not executed. xxxxxxxx is IBM-protected.

Explanation: A user attempted to add a definition to an IBM-supplied group or list (groups or lists beginning with DFH). This is not allowed.

System Action: The CSD utility does not create a definition.

User Response: Change the input command or TCT source data to name a target group or list whose name does not begin with DFH.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxxx

DFHCA5150 W date time applid netname tranid tdqueue xxxxxxxx has same name as an IBM-supplied definition in group grpname

Explanation: The name of the migrated table entry, xxxxxxxx, matches the name of an IBM-supplied resource in IBM-protected group grpname, created by the INITIALIZE command.

System Action: CICS migrates this entry normally.

User Response: If necessary, rename the resource, using the CEDA transaction.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, tdqueue, xxxxxxxx, grpname

DFHCA5151 W date time applid netname tranid TDqueue xxxxxxxx did not migrate. Its properties match an IBM-supplied definition in group grpname

Explanation: The properties of the resource defined in the user’s table entry are the same as those of the IBM-supplied resource of the same name contained in IBM-protected group grpname.

System Action: The entry for the user’s resource is not migrated.

User Response: None.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, TDqueue, xxxxxxxx, grpname

DFHCA5152 I date time applid netname tranid resource object defined in group grpname

Explanation: The CSD utility has successfully added a resource definition to a group, where:

- resource is the type of resource (CONNECTION, FILE, JOURNALMODEL, LSRRPOOL, MAPSET, PARTITIONSET, PARTNER, PROFILE, PROGRAM, SESSION, TDQUEUE, TERMINAL, TRANCLASS, TRANSACTION, or TYPETERM).

- object is the name of the object.

- grpname is the name of the group.

System Action: Normal utility processing continues.

User Response: None.
**DFHCA5161 S**

**Explanation:** After loading the table table, the migration routine checks if it has been linked with AMODE(24) RMODE(24) for migration purposes.

**System Action:** The MIGRATE command is not processed.

**User Response:** Re-link the table with the correct attributes.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, resource, object, grpname

**DFHCA5164 W**

**Explanation:** The CSD utility detected a CSD record with a matching key before adding the definition to the CSD file where:

- resource is the type of resource,
- object is the name of the object,
- grpname is the name of the group.

**System Action:** The CSD utility does not process the MIGRATE command.

**User Response:** Use the CEDA transaction to define the resource with a valid name.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, table

**DFHCA5165 S**

**Explanation:** An error occurred when writing resource object to the CSD.

**System Action:** If the CSD is full, the CSD utility issues message DFHCA5176, and then terminates with a return code of 12 in message DFHCA5109.

If the CSD is not full, the CSD utility terminates abnormally with message DFHCA5175, usually accompanied by one or more of the explanatory messages, DFHCA5177, DFHCA5178, and DFHCA5179.

**User Response:** Use the additional messages to determine the cause of the error and the appropriate user action required.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, resource, object, grpname

**DFHCA5166 E**

**Explanation:** The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file because of an invalid character, or the resource name for the migrated table entry may be invalid. resource is the type of resource, and object is the name of the object.

**System Action:** A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

**User Response:** Use the CEDA transaction to define the resource with a valid name.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, resource, object

**DFHCA5167 S**

**Explanation:** While processing a MIGRATE command, the CSD utility has detected that the CSECTs in table table are in the wrong order. Input to the linkage editor omitted a control statement to order the CSECTs.

**System Action:** The CSD utility does not process the MIGRATE command.

**User Response:** Use the IBM-supplied procedure, DFHAUPLK, to assemble and link-edit CICS tables. This procedure ensures the correct ordering of CSECTs within the tables.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, table

**DFHCA5168 S**

**Explanation:** After loading the table table, the migration routine checks the VMNAME field in the DFHVM expansion of the data area following the load point. This message is produced if VMNAME is not that of a valid table.

**System Action:** The MIGRATE command is not processed.

**User Response:**

1. Ensure that the correct table is present in the library, and that the TABLE parameter of the MIGRATE command is correct.
2. Ensure that an ORDER statement was present in the JCL of the link-editing of the table.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, table, tabletype

**DFHCA5169 S**

**Explanation:** After loading the table table, the migration routine checks the VMVERS field in the DFHVM expansion of the data area following the load point. This field indicates the CICS release (rr) for which the table was assembled, and is invalid for the CICS system (release ss) that is running.

**System Action:** The MIGRATE command is not processed.
User Response: Reassemble the table for the correct release of CICS.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, table, rr, sss

**DFHCA5171 E** date time applid netname tranid No definition for file DFHCSD created. The CSD should be defined in the SIT.

Explanation: The CSD utility detected an attempt to migrate a definition of the CSD to the CSD.

System Action: The CSD utility creates no definition for DFHCSD. Normal utility processing continues with the utility return code set to 8.

User Response: Remove the definition of the CSD from the FCT. Ensure that your definition of the CSD is added to the SIT.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

**DFHCA5172 W** date time applid netname tranid No definition for file file created. BDAM files are not supported by RDO.

Explanation: The CSD utility detected an attempt to migrate a definition of a BDAM data set to the CSD. BDAM data sets are not supported by RDO.

System Action: The migration request is ignored. A definition for the named BDAM data set is not created. Normal utility processing continues, but the utility return code will be set to 4.

User Response: BDAM data sets should be defined to CICS using the FCT. Reassemble your FCT with MIGRATION=COMPLETE on the TYPE=INITIAL macro after all VSAM data sets have been migrated. Use the generated FCT as you would in a non-RDO environment.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

**DFHCA5173 W** date time applid netname tranid SERVREQ=REUSE is ignored in the definition of file filename because it is not supported by RDO.

Explanation: The CSD utility detected an attempt to migrate to the CSD the definition of VSAM file filename with SERVREQ=REUSE specified. RDO does not support files with the SERVREQ=REUSE attribute.

System Action: The SERVREQ=REUSE attribute of the file is ignored, and the file is migrated to the CSD without it. Normal utility processing continues, but the utility return code is set to 4.

CICS Transaction Server for OS/390 Release 3 supports the concept of empty files without the need to specify a separate FCT entry with SERVREQ=REUSE in order to load the data set. The SET FILE EMPTY command can be used for a file allocated to a data set defined as reusable. It specifies that the data set is set empty the next time the file is opened.

User Response: Eliminate use of SERVREQ=REUSE files from your installation.

**DFHCA5174 S** date time applid netname tranid Processing is terminated. Command cannot be executed because 'PARM=CSD(READONLY)' was specified.

Explanation: This command requires the CSD to be opened for read-write access. Your job step specified read-only access for the CSD in the DFHCSDUP utility job stream.

System Action: This command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. If the primary CSD file cannot be opened, LIST is not processed either.

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Amend the JCL to specify 'PARM=CSD(READWRITE)'.

Note: If the CSD is recoverable and you are accessing it in RLS mode, you cannot specify READWRITE access. In order to perform the command, you need to access the CSD in non-RLS mode.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

**DFHCA5175 S** date time applid netname tranid Processing is terminated. Unexpected response from function in CSD manager.

Explanation: An invocation of the CSD manager, DFHDMP, has resulted in an error. The name of the function that failed is function.

System Action: DFHCSDUP issues additional messages, then:

- Terminates normally for CSD open/close errors, and the CSD-full condition, or
- Terminates abnormally for all other situations.

User Response: Ensure that you have set up your CSD file correctly. If you have migrated your CSD file from a previous release, note that you should have increased your block size to 500. If necessary, use the diagnostics in the additional messages.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, function

**DFHCA5176 S** date time applid netname tranid Processing is terminated. CSD is full.

Explanation: The VSAM data set containing the CSD file is full.

System Action: Execution of the CSD utility command is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If the primary CSD file cannot be opened, the LIST command is not processed either.

If commands are being read from a get-command exit, the DFHCSDUP utility attempts to process subsequent commands.
The DFHCSDUP utility leaves a system lock on the group being created at the time of failure. This lock prevents processing of the group by the CSD utility or the CEDA transaction.

**User Response:** First, use the DFHCSDUP VERIFY process to remove the system lock on the party-created group. Normal RDO processing of the group should then be possible, enabling the group (or any unwanted definitions) to be deleted.

To recover the contents of the CSD file, define a larger data set and use the AMS REPRO command. Usually, you will be able to REPRO from the CSD file that became full. If you are unable to do this, use a backup copy.

If your CSD is a recoverable data set and you update it from CICS in RLS mode, there are additional steps to be taken when using REPRO to ensure that any retained locks remain associated with the data set. These are explained in the CICS Recovery and Restart Guide.

You may be able to transfer definitions from the CSD file that filled up by using the DFHCSDUP COPY command with the FROMMCSD option.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** `date, time, applid, netname, tranid`  
**DFHCA5177 S date time applid netname tranid Processing is terminated. CSD I/O error occurred.**

**Explanation:** An I/O error occurred when executing a READ or WRITE of a CSD record on the primary or secondary CSD file.

**System Action:** DFHCSDUP issues additional messages and terminates abnormally.

**User Response:** Restore the CSD file to a new data set from your own backup, or create the new CSD file by using the INITIALIZE, COPY, and APPEND commands to restore existing definitions.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** `date, time, applid, netname, tranid`  
**DFHCA5178 S date time applid netname tranid Processing is terminated. Severe CSD error occurred.**

**Explanation:** An error occurred during execution of the CSD manager, DFHDMP, to access the primary or secondary CSD file.

**System Action:** DFHCSDUP issues additional messages and terminates abnormally.

**User Response:** See the VSAM diagnostics given in message DFHCA5179.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** `date, time, applid, netname, tranid`  
**DFHCA5179 S date time applid netname tranid VSAM error.**

**Return code = nn Error code = ddd(yy) Control block type = type**

**Explanation:** VSAM returned the following diagnostics when an error occurred, where:

- `nn` is the hexadecimal VSAM return code
- `yy` is the hexadecimal VSAM error code (`ddd` is its decimal equivalent)

**DFHCA5180 S date time applid netname tranid Processing is terminated. Error occurred while CSD was being read by function subfunction**

**Explanation:** When the LIST command invoked DFHDMP to scan the objects on the CSD file, an error occurred during execution of the DFHDMP function.

**System Action:** The CSD utility terminates with an MVS abend 0325.

**User Response:** This error should be reported. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** `date, time, applid, netname, tranid, function, subfunction`
DFHCA5181 W date time applid netname tranid No match found for generic group-or-list identifier xxxxxxxx

**Explanation:** The LIST command was executed with a generic group or list name, but no qualifying group or list exists on the CSD file.

**System Action:** Normal processing continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, group-or-list, xxxxxxxx

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DFHCA5182 W date time applid netname tranid group-or-list xxxxxxxx does not exist.

**Explanation:** The LIST command or the DELETE command was executed using the name of a group or list that does not exist on the primary CSD file.

**System Action:** The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

**User Response:** Correct the LIST command or the DELETE command to use a valid group or list name.

If a CSD upgrade is being performed, no user action is required.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, group-or-list, xxxxxxxx

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DFHCA5183 W date time applid netname tranid group-or-list xxxxxxxx exists as a list-or-group name.

**Explanation:** The LIST command or the DELETE command was executed using a group name that is already in use as a list name, or using a list name that is already in use as a group name.

**System Action:** The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

**User Response:** Correct the LIST command or the DELETE command to use a valid group or list name.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, group-or-list, xxxxxxxx, list-or-group

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DFHCA5184 S date time applid netname tranid Processing is terminated. Invalid output from DFHPUP. Cannot format data for utility listing.

**Explanation:** There has been an internal logic error in the DFHCSDUP utility program. The data in the back-translated output buffer is invalid. The length code may be out of range or the data fields in the wrong sequence. One or more of the data fields may be invalid.

**System Action:** The CSD utility terminates with an MVS abend 0326.

**User Response:** This error must be reported.

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Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where the error(s) have occurred because they do not print and are therefore easily identifiable.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

---

DFHCA5185 W date time applid netname tranid No objects defined in grpname listid

**Explanation:** In executing a LIST command, the CSD utility has found a group or list header on the CSD file for which no corresponding group or list elements exist.

**System Action:** The utility continues to process the LIST command, but will not tabulate elements of the group or list named in the message.

**User Response:** Run the DFHCSDUP VERIFY utility.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, objects, grpname, listid

---

DFHCA5186 I date time applid netname tranid resource is locked, but is not the name of a group or list.

**Explanation:** The CSD utility detected a locked resource that is not a group or list. The reason is that an interrupt or failure occurred during a CEDA transaction or a previous utility job. A lock had been created but not the associated group or list.

**System Action:** The utility continues normal processing of the VERIFY command.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, resource

---

DFHCA5187 I date time applid netname tranid object-type name is now available for use.

**Explanation:** The VERIFY command discovered that the resource was not available for the CEDA transaction or offline commands. The restriction on its availability, which was due to the failure of some previous command affecting it, has now been removed.

**System Action:** Normal processing of the VERIFY command continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, object-type, name
DFHCA5189 I  

**Explanation:** The VERIFY command has been processed successfully, and any internal locks associated with groups and lists on the CSD file have been removed.

**System Action:** Normal processing continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

---

DFHCA5190 S  

**Explanation:** There is insufficient storage available to load the service module progname, that is to be loaded and executed by DFHCSDUP.

**System Action:** Utility command execution is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User Response:** Ensure that there is sufficient storage allocated to load module progname.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, progname

---

DFHCA5191 I  

**Explanation:** The service module progname has been loaded correctly. Execution of the module has started.

**System Action:** Normal processing continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, progname

---

DFHCA5192 S  

**Explanation:** Either the LEVEL parameter specified in the SERVICE command is wrong, or an incorrect version of the CSD file is being used as the secondary (input) CSD file.

**System Action:** The SERVICE command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User Response:** The SERVICE command may upgrade the service level of the CSD file only in increments of one. Check that the input CSD file is the intended one, and that the LEVEL parameter takes the value one higher than the current service level of the CSD file.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, ttt, sss

---

DFHCA5193 S  

**Explanation:** The LEVEL parameter specified in the SERVICE command is incompatible with the status of the service module progname being applied to the CSD file.

**System Action:** The SERVICE command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User Response:** Ensure that the service module progname, being applied, is correctly updated with the service fix supplied by IBM. (It should have been amended so as to be able to process SERVICE commands at the target level ttt.)

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, progname, ttt

---

DFHCA5194 I  

**Explanation:** The loaded service module is performing the required upgrade of the CSD file from service level sss to service level ttt.

**System Action:** Normal processing continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, sss, ttt

---

DFHCA5195 I  

**Explanation:** The loaded service program progname has run to completion. Control is being transferred back to the CSD offline utility program, DFHCSDUP.

**System Action:** Normal processing continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, progname
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DFHCA5196 S date time applid netname tranid Command is terminated. Error occurred while reading control secondary CSD record.

Explanation: An I/O error has occurred on the specified CSD file.
System Action: The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Retry the command, ensuring that a sufficiently large data set size is specified for the output (primary) CSD file.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5197 S date time applid netname tranid Command is terminated. Unrecognized control record encountered while secondary CSD was being read.

Explanation: The contents of a control record of the secondary input CSD are invalid.
System Action: The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the OLDCSD parameter in the SERVICE utility command.

If the problem persists, you will need further help from IBM. First, obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a printout of the CSD using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where the errors have occurred because they do not print and are therefore easily identifiable. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5198 I date time applid netname tranid CSD record modified for resource-type resource-name, group-or-list group-or-list-name

Explanation: The specified modification to a record on the CSD file has taken place.
System Action: Normal processing continues. If the modified record is an element in a GROUP or LIST, its date-and-time field is updated when copied to the output (primary) CSD file.

DFHCA5199 W date time applid netname tranid Invalid field encountered in existing record for resource-type: resource-name group-or-list: group-or-list-name

Explanation: An unexpected value was found in one of the fields of a CSD record that was to be modified for element resource-name of type resource-type.
System Action: Normal processing continues, and the invalid record is left unchanged on the new (primary) CSD file.

User Response: None.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource-type, resource-name, group-or-list, group-or-list-name

DFHCA5200 S date time applid netname tranid Command not executed. No valid language table was loaded.

Explanation: The utility found that the RDO language table had not been loaded correctly, or that it contained invalid data.
System Action: The utility terminates because it cannot process any commands.
User Response: Check that the correct version of the RDO language table (DFHEITSP) is in the program library.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5201 S date time applid netname tranid 'command' command is not valid. Command not executed.

Explanation: The CSD utility does not recognize the command.
System Action: The utility ignores the command.
User Response: Correct the command.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, command

DFHCA5202 S date time applid netname tranid Incorrect syntax for 'command' command. Command not executed.

Explanation: The syntax of the command is incorrect.
System Action: The CSD utility ignores the command.
User Response: Correct the command.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, command
**DFHCA5203** E date time applid netname tranid Right parenthesis assumed after the value of 'xxxx'.

**Explanation:** The syntax of the command was incorrect. Either a right parenthesis has been omitted or a keyword value in excess of 256 bytes has been specified.

**System Action:** The utility executes the command as if the right parenthesis was present.

**User Response:** Confirm that the correction applied by the utility generated the required command.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxx

**DFHCA5204** E date time applid netname tranid Command not executed. 'xxxx' keyword is not valid.

**Explanation:** The keyword xxxx is not valid on this command.

**System Action:** The utility command is ignored.

**User Response:** Correct the command.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxx

**DFHCA5205** E date time applid netname tranid Command not executed. No value was specified for 'xxxx'.

**Explanation:** The option xxxx is incomplete, possibly because a value has been omitted.

**System Action:** The utility command is ignored.

**User Response:** Correct the command.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxx

**DFHCA5206** E date time applid netname tranid Command not executed. Duplicate specification of 'xxxx'.

**Explanation:** Option xxxx appears twice on a single utility command.

**System Action:** The utility ignores the command.

**User Response:** Correct the command.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxx

**DFHCA5207** E date time applid netname tranid Command not executed. 'xxxxxxx' does not require a value.

**Explanation:** The utility detected an input command coded with a value for option xxxxxxxx when no value was required.

**System Action:** The utility does not process the command.

**User Response:** Correct the command.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxxxxxx

**DFHCA5208** E date time applid netname tranid Command not executed. Invalid value was specified for 'xxxx'.

**Explanation:** The utility detected an input command coded with an invalid value for option xxxx.

**System Action:** The utility does not process the command.

**User Response:** Correct the value.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxx

**DFHCA5209** E date time applid netname tranid Command not executed. Operand delimiter ' ' was misplaced.

**Explanation:** The utility has detected an input command coded with a misplaced option delimiter x.

**System Action:** The utility does not process the command.

**User Response:** Place the delimiter correctly.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** date, time, applid, netname, tranid, x

**DFHCA5210** E date time applid netname tranid Command not executed. Operand delimiter ' ' was misplaced.

**Explanation:** The utility has detected an input command coded with a misplaced option delimiter 'x'.

**System Action:** The utility ignores the command.

**User Response:** Correct the value.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** date, time, applid, netname, tranid, x

**DFHCA5211** E date time applid netname tranid Command not executed. comctype 'string' is not uniquely identifiable.

**Explanation:** An ambiguous DFHCSDUP or CREATE command has been specified.

- **comptype** is the command component type
- **string** is the actual component.

**System Action:** The command is not executed. For DFHCSDUP, if commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User Response:** Correct the command syntax and retry. See accompanying message DFHCA5213 for further details of the command failure.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** date, time, applid, netname, tranid, comctype, string

**DFHCA5212** E date time applid netname tranid Command not executed. Specified input could be interpreted as match1 or match2

**Explanation:** An ambiguous DFHCSDUP or CREATE command has been specified.

- **input** is the ambiguous character string
- **match1** and **match2** are two possible interpretations of input.

**System Action:** The command is not executed. For DFHCSDUP, if commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

**User Response:** Correct the command syntax and retry.

**Destination:** CSMT
**Module:** DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, input, match1, match2

DFHCA5214 W date time applid netname tranid keyword is an obsolete keyword. It is ignored.
Explanation: The utility has detected an input command coded with an obsolete keyword. The keyword specifies an option not valid for this release of CICS.
System Action: The utility ignores the keyword.
User Response: Confirm that the resulting utility command is correct for this release of CICS.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, keyword

DFHCA5215 E date time applid netname tranid Command not executed. A closing parenthesis has been omitted from a null value specified on an ALTER command.
Explanation: A closing parenthesis was not added when a null value was specified for a keyword on an ALTER command. A closing parenthesis is automatically added for keyword values other than nulls.
System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.
User Response: Correct the command syntax and retry.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5216 E date time applid netname tranid restype resname is not in group group
Explanation: A nonexistent resource of type restype and name resname, has been specified on an ALTER command.
System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.
User Response: Correct the command syntax and retry.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, restype, resname, group

DFHCA5217 E date time applid netname tranid Command not executed. A closing bracket has been omitted from a xxxx keyword.
Explanation: A closing bracket has been omitted from the xxxx keyword on a CREATE or DFHCSDUP DEFINE command.
System Action: The command is not executed.
User Response: Correct the command syntax and retry.
Destination: CSMT

Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxx

DFHCA5218 I date time applid netname tranid Altering Resourcetype Resourcename in group Groupname
Explanation: During the execution of a generic ALTER command, the CSD batch update utility scans the CSD file for matches to the specified generic resource name and/or GROUP keyword. For every match, the utility processes the request and informs the user of the resulting resourcename and/or groupname respectively.
System Action: Normal processing continues.
User Response: None.
Destination: CSMT
Module: DFHCSDUP
XMEOUT Parameters: date, time, applid, netname, tranid, Restype, Resourcename, Groupname

DFHCA5219 W date time applid netname tranid No match found on CSD file for Resourcetype Resourcename group Groupname
Explanation: The ALTER command was executed with a generic resource and/or group name, but no qualifying resource and/or group exist on the CSD file.
System Action: Normal processing continues.
User Response: None.
Destination: CSMT
Module: DFHCSDUP
XMEOUT Parameters: date, time, applid, netname, tranid, Restype, Resourcename, Groupname

DFHCA5220 S date time applid netname tranid Command not executed. ‘xxxxx’ must be the first command.
Explanation: The CSD utility found an INITIALIZE command after other commands.
System Action: The CSD utility ignores the command.
User Response: Confirm that the INITIALIZE command was misplaced.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx

DFHCA5222 E date time applid netname tranid Command not executed. ‘xxxxx’ keyword was omitted or specified incorrectly.
Explanation: A required keyword xxxxxxxx was omitted from a CSD utility command.
System Action: The utility ignores the command.
User Response: Specify keyword xxxxxxxx.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxxx

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DFHCA5223 E date time applid netname tranid Command not executed. 'xxxxxxxx' keyword conflicts with 'xxxxxxxx' keyword.

Explanation: The syntax of the command is incorrect. Conflicting keywords have been specified.

System Action: The utility command is ignored.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxxx, xxxxxxxx

DFHCA5224 E date time applid netname tranid Command not executed. The value of operand is outside the valid range for keyword.

Explanation: A numeric value of operand was detected, which is outside the permitted range of values for the keyword operand.

System Action: The command is not executed.

User Response: Correct the value.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, operand, keyword

DFHCA5225 E date time applid netname tranid Command not executed. Same name specified for 'xxxxxxxx' and 'xxxxxxxx'.

Explanation: This message is issued for one of the following reasons:
1. The utility COPY command has been coded with the same group name for the source and target group.
2. The APPEND command has been coded with the same list name for the source and target list.
3. The ADD command has been coded with the same group name and list name.

System Action: The CSD utility or CICS ignores the command.

User Response: Correct the name (or names) in error.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxxx, xxxxxxxx

DFHCA5227 E date time applid netname tranid Command not executed. Use of generic name conflicts with 'xxxxxxxx' option.

Explanation: A CSD utility command used a generic name; that is, one containing asterisk (*) or plus sign (+) characters, in conjunction with an option that conflicted with the use of generic names.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

DFHCA5228 E date time applid netname tranid Command not executed. Only one resource-type keyword may be specified.

Explanation: The CSD utility detected an input command coded with more than one resource-type keyword.

System Action: The utility does not process the command.

User Response: Correct the command to refer to only one resource-type keyword.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5229 E date time applid netname tranid Command not executed. 'xxxxxxxx' is invalid because a resource-type keyword was specified.

Explanation: The CSD utility detected an input command coded with a resource-type keyword (for example, PROGRAM, TRANSACTION) in a situation where a resource-type keyword is invalid.

System Action: The utility does not process the command.

User Response: Correct the command and resubmit.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxxx

DFHCA5230 I date time applid netname tranid ERASE command is obsolete. Use the DELETE command.

Explanation: The CSD utility detected the obsolete ERASE command in its input.

System Action: The utility processes the command as a DELETE command.

User Response: In future, use the DELETE command instead of the ERASE command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5231 E date time applid netname tranid Command not executed. 'xxxxxxxx' is incompatible with the MIGRATE command for tabletype tables.

Explanation: An attempt has been made to execute the MIGRATE command with an invalid table type and (or) an invalid keyword specified.

System Action: The CSD utility terminates.

User Response: Correct the command syntax and resubmit the job.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxxx, tabletype
DFHCA5232  E  date time applid netname tranid Command not executed. 'xxxxxxxx' parameter must not begin with 'DFH'.

Explanation: In a CSD utility MIGRATE command, the xxxxxxx parameter contained an invalid table name or group name.

System Action: The utility does not process the command.

User Response: Resubmit with a valid table name or group name.

Destination:  CSMT

Module:  DFHCAP

XMEOUT Parameters:  date, time, applid, netname, tranid, xxxxxxx

DFHCA5233  E  date time applid netname tranid Command not executed. 'tabletype' table type is not supported by RDO.

Explanation: The CSD utility detected a TABLE parameter that referred to a CICS table type not supported by RDO.

RDO supports:
- Program, transaction, and terminal definitions (RDT)
- Files (FCT)
- Transient data queues (DCT).

System Action: The utility does not process the command.

User Response: Correct the command.

Destination:  CSMT

Module:  DFHCAP

XMEOUT Parameters:  date, time, applid, netname, tranid, tabletype

DFHCA5234  E  date time applid netname tranid Command not executed. 'command' command is not supported.

Explanation: The CSD utility detected a command command in its input which is not supported by RDO.

System Action: The utility does not process the command.

User Response: Correct the command.

Destination:  CSMT

Module:  DFHCAP

XMEOUT Parameters:  date, time, applid, netname, tranid, command

DFHCA5235  E  date time applid netname tranid Command not executed. Group or list must be specified.

Explanation: A CSD utility EXTRACT command has been submitted. A GROUP or LIST name must be specified with an EXTRACT command.

System Action: The utility command is not executed. This message is followed by DFHCA5104.

User Response: Correct the invalid command by adding a valid GROUP or LIST name and rerun the utility job.

Destination:  CSMT

Module:  DFHCAP

XMEOUT Parameters:  date, time, applid, netname, tranid

DFHCA5236  I  date time applid netname tranid A user-exit program has been specified on the entry linkage and on the userprogram keyword. The program specified on the entry linkage has been ignored.

Explanation: An EXTRACT user-exit program has been specified via the entry parameter list and on the USERPROGRAM keyword of the EXTRACT command.

System Action: The program specified on the USERPROGRAM keyword is used.

User Response: Ensure that the user program used is the one intended.

Destination:  CSMT

Module:  DFHCAP

XMEOUT Parameters:  date, time, applid, netname, tranid

DFHCA5240  S  date time applid netname tranid Processing terminated. Error occurred while input utility command was being read.

Explanation: The environment adaptor GETCARD utility cannot read an input utility command.

System Action: The CSD utility terminates abnormally without processing the input commands.

User Response: Check that the utility commands are prepared correctly and located correctly in the JCL. Check also that the DD statement defining the output data set startup job stream is correct. For JCL examples, refer to the CICS Operations and Utilities Guide.

Destination:  CSMT

Module:  DFHCAP

XMEOUT Parameters:  date, time, applid, netname, tranid

DFHCA5241  S  date time applid netname tranid Processing terminated. Invalid record length on utility command data stream.

Explanation: The CSD utility detected incorrectly formatted input in the SYSIN data stream.

System Action: The CSD utility cannot process any commands. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: Ensure that the output data set data stream is formatted with fixed length 80-byte records.

Destination:  CSMT

Module:  DFHCAP

XMEOUT Parameters:  date, time, applid, netname, tranid

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DFHCA5242  E  date time applid netname tranid Command not processed. Too many continuation records for input utility command.

Explanation: The CSD utility detected an input command that was too long and extended over too many records.

System Action: The utility does not process the command.

User Response: This message may be caused by an error in the rejected command or in the preceding or subsequent commands in the input stream. Correct the commands in error.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5251  I  date time applid netname tranid resource object in group grpname is replaced.

Explanation: A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the definition in the target group with that from the source group.

- resource is the type of the resource
- object is the name of the object
- grpname is the name of the group.

System Action: Normal utility processing continues.

User Response: None.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource, object, grpname

DFHCA5252  I  date time applid netname tranid resource object copied to group grpname

Explanation: The CSD utility has correctly copied a resource definition to the specified group, where:

- resource is the type of resource
- object is the name of the object
- grpname is the name of the group.

System Action: Normal utility processing continues.

User Response: None.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource, object, grpname

DFHCA5253  E  date time applid netname tranid Group grpname not found in CSD file - ddname: ddname

Explanation: The CSD utility has detected a command that attempted to retrieve definitions from the non-existent group, grpname, in the CSD specified in DDNAME ddname.

System Action: The utility does not process the command.

User Response: Either correct the group name in the command, or make sure that the specified CSD file is the correct one.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, grpname, ddname

DFHCA5254  E  date time applid netname tranid resource object already exists in the target group.

Explanation: The CSD utility detected a command that attempted to add a definition to a group that already contained a definition of an object with the same name, where:

- resource is the type of resource
- object is the name of the object.

System Action: The CSD utility does not process the command.

User Response: Change the name in the command, or alter the name of the existing definition.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource, object

DFHCA5255  E  date time applid netname tranid List xxxxxxxx not found in CSD file - ddname: ddname

Explanation: The CSD utility detected an APPEND or REMOVE command that referred to a nonexistent list in the CSD file specified in DDNAME ddname.

System Action: The utility does not process the command.

User Response: Either correct the list name in the command, or make sure that the specified CSD file is the correct one.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource, object, xxxxxxxx, ddname

DFHCA5256  E  date time applid netname tranid No resources defined in group grpname

Explanation: In executing a LIST command, the CSD utility has found a group header on the CSD file for which no group elements exist.

System Action: The CSD utility continues to process the LIST command, but will not list elements of the named group.

User Response: Run the DFHCSDUP VERIFY utility to verify the group.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource, object, grpname

DFHCA5257  E  date time applid netname tranid Length of 'TO' prefix must be less than or equal to length of 'GROUP' prefix.

Explanation: During the execution of a generic COPY command, the batch update utility found the length of the prefix of the generic group specified in the TO keyword to be greater than the length of the prefix of the generic GROUP keyword.

System Action: The utility ignores the command to prevent truncation of the TO group name.

User Response: Correct the command.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
**DFHCA5258** I date time applid netname tranid Copying group grpname1 to grpname2

**Explanation:** During the execution of a generic COPY command, the CSD batch update utility scans the CSD file for matches to the generic GROUP keyword. For every match, the utility resolves the generic TO keyword, and informs the user of the resulting grpname1 and grpname2 respectively.

**System Action:** Normal processing continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, grpname1, grpname2

---

**DFHCA5259** I date time applid netname tranid Unrecognized resource type found in the CSD file and has been ignored.

**Explanation:** CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

**System Action:** The resource is ignored and the operation continues.

**User Response:** Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies. Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, grpname1, grpname2

---

**DFHCA5261** W date time applid netname tranid RDT is empty. No VTAM resources in assembled table.

**Explanation:** The CSD utility detected an attempt to migrate a TCT that either contains no RDO-supported terminal or sessions definitions, or whose TYPE=INITIAL entry specifies MIGRATE=COMPLETE.

**System Action:** The utility does not create any CSD definitions.

**User Response:** Check the TCT source code to see if it contains any RDO-supported definitions. If it does, ensure that it has been correctly assembled (MIGRATE=YES specified) and link-edited.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

---

**DFHCA5262** S date time applid netname tranid Insufficient storage to build types-matching chain.

**Explanation:** During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of lack of storage for TYPETERM definitions.

**System Action:** The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

In any of the above cases, definitions that have already been migrated remain on the CSD.

**User Response:**

1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Allocate a larger region size in the utility JCL, and retry the command.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

---

**DFHCA5263** S date time applid netname tranid Error in input RDT. Incorrect sequence of commands.

**Explanation:** During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of abnormal data in the assembled table.

**System Action:** The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

Definitions that have already been migrated remain on the CSD. The MVS user abend code is 0308.

**User Response:**

1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Keep the assembly listing for the failing table and keep the DFHCSDUP dump, if available.
4. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

---
DFHCA5264  W date time applid netname tranid Resource object not defined. Group grpname not available.

Explanation: During the migration of a TCT, the CSD utility could not define a resource object because the target group grpname was not available. The utility has issued a previous message indicating the reason.

System Action: The utility creates no definition for resource object. Normal utility processing continues.

User Response: Review the original message. If necessary, recode the TYPE=GROUP macro in the TCT source to name a suitable group.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, object, grpname

---

DFHCA5265  W date time applid netname tranid Action required to find a suitable typeterm for terminal termid.

Explanation: While migrating a TCT, the CSD utility found a terminal definition for which it could not create a corresponding TYPETERM definition.

System Action: The utility adds the terminal definition to the CSD file, but it refers to a TYPETERM that may be unsuitable for this device.

User Response: Use the CEDA transaction to define a suitable TYPETERM and alter the TERMINAL definition to refer to the new TYPETERM.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, termid

---

DFHCA5266  W date time applid netname tranid Sessions sessions not defined, because of error in associated connection.

Explanation: An error has been detected during the migration of a TCT. When migrating a session, DFHCSUDP checks that the associated CONNECTION has been defined successfully. If it has not, DFHCSUDP abnormally terminates the session definition.

System Action: The specified SESSIONS resource is not migrated to the CSD. DFHCSUDP continues with the migration of subsequent TCT entries.

User Response: Use the diagnostic information in the output listing from the MIGRATE utility to determine why the CONNECTION definition has failed. You can then use RDO to DEFINE the CONNECTION and the SESSIONS to the CSD.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, sessions

---

DFHCA5267  E date time applid netname tranid resource Not migrated. Group grpname is locked to applid: applid opid and cannot be updated at present.

Explanation: It is not possible to put the resource resource into group grpname, because the group is currently locked to APPLID applid and OPID opid. The group will be unlocked again when the other user's operation is complete.

System Action: The utility does not create definitions for the resources named in the DFHCA5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Resubmit the job later, or choose a different name for the target group. If the group remains locked, consult with the user identified by APPLID and OPID. If the lock remains set for no apparent reason, issue the VERIFY command and resubmit.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource, grpname, applid, opid

---

DFHCA5268  E date time applid netname tranid resource not migrated. Group grpname already exists as a list.

Explanation: The name chosen for the target GROUP duplicates that of an existing LIST on the CSD.

System Action: The utility does not create definitions for the resources named in the DFHCA5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Choose a different name for the target group and change the appropriate TYPE=GROUP macro in the FCT source.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource, grpname

---

DFHCA5269  E date time applid netname tranid resource not migrated. Group grpname is IBM-protected.

Explanation: An attempt was made to add a definition to an IBM supplied group (groups beginning with "DFH").

System Action: The utility creates no definition for the resources named in the DFHCA5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Change the input source to name a different target group whose name does not begin with "DFH".

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource, grpname
DFHCA5270  I date time applid netname tranid group-or-list  
xxxxxx deleted from the CSD .

Explanation: The CSD utility has successfully deleted a group or list from the primary CSD file.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, 
group-or-list, xxxxxxx

DFHCA5271  S date time applid netname tranid Unable to delete  
group-or-list xxxxxxx from the CSD .

Explanation: During CSD utility processing, an error in accessing the CSD file caused a delete operation to fail.

System Action: The utility does not process the DELETE command. The group or list to be deleted remains on the CSD file.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, 
group-or-list, xxxxxxx

DFHCA5272  I date time applid netname tranid resource object  
deleted from group grpname

Explanation: The CSD utility successfully deleted the named resource, where:

- resource is the type of resource
- object is the name of the object.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, 
resource, object, grpname

DFHCA5273  W date time applid netname tranid resource object is  
not in group grpname

Explanation: The CSD utility detected an attempt to delete a resource which did not exist in the named group, where:

- resource is the type of resource
- object is the name of the object
- grpname is the name of the group.

System Action: The utility does not process the DELETE command.

User Response: Check that you have coded the group and resource names correctly.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, 
resource, object, grpname

DFHCA5274  W date time applid netname tranid resource object not  
defined. Group grpname not available.

Explanation: During the migration of an FCT or RCT, the CSD utility could not define the resource resource because the target group groupname was not available. The utility has already issued a message indicating the reason.

System Action: The utility creates no definition for the resource named object. Normal utility processing continues.

User Response: Review the original message. If necessary, recode the TYPE=GROUP macro in the FCT or RCT source to name a suitable group.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, 
resource, object, grpname

DFHCA5275  E date time applid netname tranid Group grpname is  
not a member of list listname

Explanation: The REMOVE command being executed names a GROUP that is not a member of LIST listname.

System Action: The command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command and resubmit a DFHCSDUP job to execute the failing command and any subsequent commands that were suppressed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, 
grpname, listname

DFHCA5276  I date time applid netname tranid Group grpname  
removed from list listname

Explanation: The REMOVE command has successfully removed group grpname from LIST listname.

System Action: Normal execution continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, 
grpname, listname

DFHCA5277  I date time applid netname tranid List list deleted  
from CSD .

Explanation: The final group has been removed from list listname. The list has therefore been deleted.

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, list
DFHCA5280  I date time applid netname tranid Processing
definitions from library member xxxxxxxx

Explanation: The CSD utility has successfully loaded data from
the named library member.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid,
xxxxxxxx

DFHCA5281  S date time applid netname tranid Data loaded from
library member xxxxxxxx is invalid

Explanation: The CSD utility has found an error in data loaded
from the named library member.

System Action: The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: You need further assistance from IBM to resolve
this problem. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid,
xxxxxxxx

DFHCA5282  E date time applid netname tranid Unable to get
storage for library member xxxxxxxx

Explanation: There is insufficient storage available to load the
library member xxxxxxxx.

System Action: The utility terminates processing of the command
that required access to the named library member.

User Response: Allocate a larger region size in the utility JCL
and resubmit the job.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid,
xxxxxxxx

DFHCA5283  S date time applid netname tranid RDL subcommand
exceeds 1024 bytes: xxxxxxxxxx...

Explanation: The CSD utility found an internal error in the data
loaded while processing the indicated (truncated) UPGRADE,
INITIALIZE, or MIGRATE command.

System Action: The CSD utility terminates abnormally.

User Response: You need further assistance from IBM to resolve
this problem. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid,
xxxxxxxx

DFHCA5284  E date time applid netname tranid Error analyzing
RDL subcommand: xxxxxxxxxx...

Explanation: The CSD utility found an internal error in the data
loaded while processing the indicated (truncated) UPGRADE,
INITIALIZE, or MIGRATE command.

System Action: The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: You need further assistance from IBM to resolve
this problem. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid,
xxxxxxxx

DFHCA5285  E date time applid netname tranid Invalid verb in
RDL subcommand: xxxxxxxxxx...

Explanation: The CSD utility found an internal error in the data
loaded while processing the indicated (truncated) UPGRADE,
INITIALIZE, or MIGRATE command.

System Action: The utility attempts to:
1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: You need further assistance from IBM to resolve
this problem. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid,
xxxxxxxx

DFHCA5286  E date time applid netname tranid Unable to create
resource definition on CSD file: xxxxxxxxxx...

Explanation: This message is issued during the processing of the
indicated (truncated) command for one of the following reasons:
1. The CSD is full (in which case, messages DFHCA5175 and
DFHCA5176 accompanies this one)
2. The CSD was defined as read-only (in which case, message
DFHCA5174 accompanies this message)
3. The TCT being migrated contained a terminal entry with a
name unacceptable to RDO (in which case, message
DFHCA5165 accompanies this one)
4. A list or group cannot be used due to the failure of a previous
update operation (in which case, message DFHCA5142
accompanies this one)
5. The resource definition list being used to INITIALIZE or
UPGRADE the CSD file contained a definition with an invalid
resource name or group name
6. A logic error occurred in DFHCSDUP or an internal error was detected in the data contained in the loaded table.

**System Action:** The system action depends on the reason the message is issued, as follows.

1. Migration of the TCT table is terminated immediately.
2. Processing of the UPGRADE or INITIALIZE command is terminated.
3. The utility attempts to:
   a. Close any files previously opened internally.
   b. Unload any extract exit routines that were dynamically loaded.
   c. Invoke the termination exit routine (if supplied).
   d. Return control to the invoker of the utility.
4. The command is not executed, and execution of further DFHCSDUP commands in the job stream is suppressed.
5. As in (3) above.
6. As in (3) above.

   In ALL cases, all the definitions created by this command up to the point of failure remain on the CSD.

**User Response:** The user response depends on the reason the message is issued, as follows.

1. See message DFHCA5175 and DFHCA5176.
2. See message DFHCA5174.
3. Change the name of the terminal and all references to it. Also refer to the user response for message DFHCA5165.
4. See message DFHCA5142.
5. This is a CICS logic error. See instruction for 6 below.
6. This is a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. A CICS background trace of the failure may aid them in problem diagnosis.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxx, xxxx

---

**DFHCA5290** *W Table tabtype macro mactype=value is not supported. Value is changed to newvalue.*

**Explanation:** During a table tabtype migration for macro mactype, value is not supported. value has been migrated as newvalue.

**System Action:** The utility creates the definition for the resource with the changed value. Normal utility processing continues.

**User Response:** Review the object definition to ensure that the modified definition is acceptable.

**Destination:** SYSPRINT
**Module:** DFHCSDUP

---

**DFHCA5291** *E Unable to define object object in group group. Migration is terminated.*

**Explanation:** The DFHCSDUP migration utility could not define object in the group specified. The migration cannot continue.

**System Action:** The utility terminates the migration of the table.

**User Response:** Verify that the specified group is the correct group and review prior errors to determine why the migration utility could not create the definition in the group.

**Destination:** SYSPRINT
**Module:** DFHCSDUP

---

**DFHCA5292** *W Object object not defined for table item name due to previous error. Migration continues.*

**Explanation:** The DFHCSDUP migration utility could not define object for the table item name. The migration continues.

During the migration of an RCT, the migration utility issues this message for all DB2TRAN definitions that refer to a DB2ENTRY definition that failed.

**System Action:** The utility continues the table migration without defining the object.

**User Response:** Correct the prior errors and manually define the skipped objects.

**Destination:** SYSPRINT
**Module:** DFHCSDUP

---

**DFHCA5293** *W Total object definitions skipped due to error: number*

**Explanation:** CICS issues this message after migrating a CICS table. number definitions of type object were not migrated. See one or more DFHCA5292 messages issued prior to this message.

**System Action:** Utility processing continues.

**User Response:** Correct the prior errors and manually define the skipped objects.

**Destination:** SYSPRINT
**Module:** DFHCSDUP

---

**DFHCA5294** *E number object-1 were not matched with a corresponding object-2.*

**Explanation:** CICS issues this message if there are object-1 table definitions that have not been defined because the table was not defined correctly. object-1 table definitions must refer to a object-2 in the table.

**System Action:** The migration of the table ends.

**User Response:** Reassemble the table with the current release macro source.

---

**DFHCA5287** *E date time applid netname tranid Extract terminated at user's request. RC=retcode*

**Explanation:** A batch job has issued a CSD utility EXTRACT command. The EXTRACT command has been terminated because of a nonzero value in register 15 on return from a user exit program. Subsequent messages indicate any further problems encountered by the utility.

**System Action:** Execution of the utility command is terminated. This message is followed by DFHCA5104.

**User Response:** Determine the cause of the error detected by the user exit program, using the return code retcode provided and the relevant documentation of the user exit program.

**Destination:** CSMT
**Module:** DFHCAP
**XMEOUT Parameters:** date, time, applid, netname, tranid, retcode
DFHCA5296 W Table tabtype TYPE=mactype parameter does not support multiple values.

Explanation: Multiple values were specified for TYPE=mactype parameter. The migration of the tabtype table supports only one value.

System Action: The migration utility ignores the additional values. The migration continues.

User Response: Review the migrated definition to ensure that the new single value is acceptable.

Destination: SYSPRINT
Module: DFHCSDUP

DFHCA5501 E date time applid netname tranid Command not executed. key word must be specified.

Explanation: A keyword keyword, which is required in the command, has been omitted or was incorrectly specified. An earlier message identifies if the latter case is applicable.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT
Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, keyword

DFHCA5502 W date time applid netname tranid xxxx xxx implied yyyy.

Explanation: The value xxxx specified in a DEFINE or CREATE command has caused another value yyyy to be assumed.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT
Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5503 E date time applid netname tranid Command not executed. xxxx option conflicts with yyyy option and is ignored.

Explanation: Two options, xxxx and yyyy, that are mutually exclusive have been specified.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT
Module: DFHCAP

DFHCA5504 E date time applid netname tranid Command not executed. Use of xxxx option implies yyyy option must be specified.

Explanation: Option xxxx requires another value, yyyy.

System Action: The utility ignores the command.

User Response: Specify yyyy.

Destination: CSMT
Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxx, yyyy

DFHCA5505 W date time applid netname tranid Program DFHMSP requires a TWASIZE of at least 528.

Explanation: A DEFINE or CREATE TRANSACTION command for the message switching program, DFHMSP, has given it a TWASIZE of less than 528 bytes. If it is to be a definition for the CICS-supplied program of that name, it will not execute correctly.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is acceptable.

Destination: CSMT
Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5506 E date time applid netname tranid Command not executed. For xxxx many options, including yyyy, are meaningless.

Explanation: A keyword or value has been specified that is not consistent with another.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT
Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxx, yyyy

DFHCA5507 E date time applid netname tranid Command not executed. xxxx value must be greater than yyyy value.

Explanation: A value has been specified that is not consistent with another. xxxx must be greater than yyyy.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT
Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxx, yyyy
DFHCA5508  E  date time applid netname tranid Command not executed. xxxxxxx value must be less than or equal to yyyyyyy value.

Explanation: A value has been specified that is not consistent with another. The value xxxxxxx must be less than or equal to yyyyyyy.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx, yyyyyyy

DFHCA5509  E  date time applid netname tranid Command not executed. xxxxxxx name must not be the same as yyyyyyy name.

Explanation: Some values in DEFINE or CREATE commands must not be the same as the name of the resource. xxxxxxx must not have the same name as yyyyyyy.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx, yyyyyyy

DFHCA5510  W  date time applid netname tranid x x x x x x x names beginning with yyyyyyy are reserved and may be redefined by CICS.

Explanation: CICS supplies standard programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx, yyyyyyy

DFHCA5511  W  date time applid netname tranid xxxxxxx name yyyyyyy is reserved and may be redefined by CICS.

Explanation: CICS supplies standard programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx, yyyyyyy

DFHCA5512  W  date time applid netname tranid Program name begins with 'DFH' but transaction name does not begin with 'C'.

Explanation: CICS supplies standard programs and transactions whose naming conventions you should avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5513  E  date time applid netname tranid Command not executed. The second value of xxxxxxx must not be greater than the first.

Explanation: Some keywords take pairs of values which are essentially maximum and minimum values.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx

DFHCA5514  E  date time applid netname tranid Command not executed. With SESSNAME there can only be one COUNT and its value must be 1.

Explanation: The use of SESSNAME in a DEFINE or CREATE SESSIONS command means that a single-session, either for sending or receiving, is required.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5515  W  date time applid netname tranid AUTOPAGE(NO) has been specified for a 3270 print device.

Explanation: A DEFINE or CREATE TYPETERM command has AUTOPAGE(NO) and DEVICE(3270P) or DEVICE(LUTYPE3).

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5516  W  date time applid netname tranid The values of DEVICE and SESSIONTYPE are equivalent to DEVICE(devtype) and have been replaced.

Explanation: A DEFINE or CREATE TYPETERM command has a valid but obsolete DEVICE and SESSIONTYPE combination. This DEVICE and SESSIONTYPE combination has been replaced by a simpler equivalent indicated by devtype.

System Action: Normal utility processing continues.
User Response: Check that the resulting resource definition is as you expect. The CICS Resource Definition Guide provides further information about device equivalents.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, devtype

DFHCA5517 E date time applid netname tranid Command not executed. prefix and COUNT together make more than four characters.

Explanation: In a SESSIONS definition, the prefix parameter (SENDPFX or RECEIVEPFX) is used to generate session names by adding numeric suffixes up to the corresponding count value (SENDCOUNT or RECEIVECOUNT). Since the session names cannot be longer than four characters, when the count of sessions exceeds 99 the prefix can only be one character.

System Action: The command is not executed.
User Response: Correct the command.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, prefix

DFHCA5518 W date time applid netname tranid XTRANIDS xxxxxxx are reserved and may be redefined by CICS.

Explanation: CICS supplies programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.
User Response: Check that the resulting resource definition is as you expect.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx

DFHCA5519 E date time applid netname tranid Command not executed. xxxxxxx value contains an invalid y.

Explanation: All character values in CREATE and DFHCSDUP commands are subject to rules which, depending on the value, disallow certain characters.

System Action: The utility ignores the command.
User Response: Correct the command.
The CICS Resource Definition Guide provides further information about these rules under the individual attributes for the syntax of the DFHCSDUP command.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx, y

DFHCA5520 W date time applid netname tranid The value of DEVICE is equivalent to xxxxxxx and has been replaced.

Explanation: A DEFINE or CREATE TYPETERM command has a valid but obsolete DEVICE value which has been replaced by a simpler equivalent.

System Action: Normal utility processing continues.
User Response: Check that the resulting resource definition is as you expect.
The CICS Resource Definition Guide provides further information about these simpler equivalent devices.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx

DFHCA5521 E date time applid netname tranid Command not executed. xxxxxxx value yyyyyyy is invalid.

Explanation: A value yyyyyyy has been specified for keyword xxxxxxx which is not valid. It may for instance be non-numeric.

System Action: The utility ignores the command.
User Response: Correct the command.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx, yyyyyyy

DFHCA5522 E date time applid netname tranid Command not executed. Length of xxxxxxx value is more than allowed.

Explanation: A character value in a DEFINE or CREATE command is too long.

System Action: The utility ignores the command.
User Response: Correct the command.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxxx

DFHCA5523 E date time applid netname tranid Command not executed. File DFHCSD must be defined in the SIT and not the CSD.

Explanation: DFHCSD has been defined in the CSD rather than in the SIT. This is not allowed.

System Action: The utility ignores the command.
User Response: Correct the command. Define DFHCSD in the SIT.
Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
**DFHCA5524 W** date time applid netname tranid BMS route for console may cause unpredictable results if maps or TEXT(ACCUM) used on device.

**Explanation:** The routing of multiline maps or accumulated text to the console is not supported.

**System Action:** Normal processing continues.

**User Response:** Ensure that the unsupported console operations are disabled.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

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**DFHCA5525 W** date time applid netname tranid xxxxxxxx value is not valid, yyyyyyyyy has been assumed.

**Explanation:** The value xxxxxxxx is not valid. The value yyyyyyyyy has been assumed.

**System Action:** The utility ignores the command.

**User Response:** Correct the command.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxxxxxx, yyyyyyyyy

---

**DFHCA5526 E** date time applid netname tranid xxxxxxxx must have rows and columns specified.

**Explanation:** xxxxxxxx must have rows and columns specified.

**System Action:** The utility ignores the command.

**User Response:** Correct the command.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, xxxxxxxx

---

**DFHCA5527 E** date time applid netname tranid Command not executed. Remote options are ignored for programs starting with DFH.

**Explanation:** CICS supplies standard programs which are not allowed to have remote attributes.

**System Action:** The command is ignored.

**User Response:** Correct the command by deleting the remote attributes from the program definition.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid

---

**DFHCA5528 E** date time applid netname tranid Command not executed. Value of keyword is out of valid range.

**Explanation:** An invalid value has been supplied for the specified keyword.

**System Action:** The utility ignores the command.

**User Response:** Supply a valid keyword value and retry.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, keyword

---

**DFHCA5529 E** date time applid netname tranid keyword or keyword must be specified.

**Explanation:** Neither of the indicated keywords has been specified. When defining a resource, you must specify one of these keywords.

**System Action:** The utility ignores the command.

**User Response:** Supply one of the indicated keywords and retry.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, keyword, keyword

---

**DFHCA5530 W** date time applid netname tranid XTRANIDS ending with string are reserved and may be redefined by CICS.

**Explanation:** CICS supplies programs and transactions whose names you should usually avoid in resource definitions.

**System Action:** Normal utility processing continues.

**User Response:** Check that the resulting resource definition is as you expect.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, string

---

**DFHCA5531 W** date time applid netname tranid XTRANIDS beginning with string are reserved and may be redefined by CICS.

**Explanation:** CICS supplies programs and transactions whose names you should usually avoid in resource definitions.

**System Action:** Normal utility processing continues.

**User Response:** Check that the resulting resource definition is as you expect.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, string

---

**DFHCA5532 E** date time applid netname tranid Command not executed. An invalid combination of rows and columns has been specified for ALTSCREEN.

**Explanation:** One of the specified values is zero and the other is nonzero. This is an invalid combination.

**System Action:** The utility ignores the command.

**User Response:** Ensure that a valid combination of ALTSCREEN rows and columns is specified. See the CICS Resource Definition Guide for details of valid combinations.

**Destination:** CSMT

**Module:** DFHCAP

**XMEOUT Parameters:** date, time, applid, netname, tranid, ALTSCREEN

---
DFHCA5533 W date time applid netname tranid Specified keyword1 value is less than keyword2 value. The default value has been assumed.

Explanation: A value has been specified for keyword1 that is incompatible with the value for keyword2.

System Action: The utility assumes the default value for keyword1 and processes the command.

User Response: Ensure that the resulting resource definition is acceptable.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, keyword1, keyword2

DFHCA5534 W date time applid netname tranid When you change the value of DEVICE many other values may be changed for you.

Explanation: When ALTERing the DEVICE in a TYPETERM resource definition, the batch update utility changes forced values that are incompatible with the new DEVICE. However, dependent default values are not changed, and may now be incompatible.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect. See the CICS Resource Definition Guide for more guidance.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5535 E date time applid netname tranid Command not executed. restype name resname is reserved by CICS.

Explanation: The user specified a resource name resname for resource type restype which is reserved for use by CICS.

System Action: The utility ignores the command.

User Response: Specify a different resource name.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5536 W date time applid netname tranid keyword1 and keyword2 attributes are inconsistent if definition is being shared with a back-level release.

Explanation: keyword1 has been preceded by keyword2. However, keyword1 has been kept for compatibility reasons. After updating or creating the resource, the value specified for keyword1 has become inconsistent with the value specified for keyword2.

System Action: The resource is created or updated.

User Response: If sharing the resource with a back level release, ensure that the resulting resource definition is acceptable. Otherwise, ignore the message.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, keyword1, keyword2

DFHCA5537 W date time applid netname tranid Prefix allowed to default. Use of defaults is recommended for MRO sessions only.

Explanation: A null value has been accepted for a send or receive prefix for an LU6.1 or MRO session. The default value ‘>’ is supplied by CICS for send sessions and ‘<’ for receive sessions. These values are the default prefixes for MRO session names. The use of these prefixes is allowed for LU6.1 sessions, but is not recommended if MRO session names with the same prefixes are in use, because duplicate names may occur if large numbers of sessions are defined.

System Action: CICS generates session names using these prefixes.

User Response: If this is an LU6.1 session, it is recommended that a different prefix should be chosen.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5538 W date time applid netname tranid resource names starting with x may conflict with system sessions names.

Explanation: The resource resource has been given a name starting with the character x, which might be used for system-generated SESSIONS names.

System Action: The definition is created or updated.

User Response: Ensure there is no conflict with the name given to the resource and SESSIONS names.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource, x

DFHCA5539 S date time applid netname tranid keyword is not valid because it starts with the reserved character or string string.

Explanation: The name you have given to keyword is not valid because it starts with the reserved character or string such as “C” or “DFH”.

System Action: The definition is not created.

User Response: Change the name of the keyword.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, resource, x, keyword, string

DFHCA5540 W date time applid xxxxxxxx value is greater than yyyy yyyy value. The lower value takes precedence.

Explanation: A value has been specified that is not consistent with another. The value xxxxxxxx is greater than value yyyy yyyy. Value yyyy yyyy takes precedence and overrides the higher value.

System Action: The definition is created or updated with the two values as specified.

User Response: Ensure that the two values are defined as you expect. You may decide to leave the values as specified and dynamically change the values online once the resource has been installed in the CICS system.
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DFHCA5542 E date time applid netname tranid Command not executed. xxxxxx and yyyyyyy must be the same length.

Explanation: Two options, xxxxxx and yyyyyyy, have been specified but the length of the respective operands must be the same.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, xxxxxx, yyyyyyy

DFHCA5543 E date time applid netname tranid Command not executed. Generic characters must be in the same position in xxxxxx and yyyyyyy.

Explanation: Two options, xxxxxx and yyyyyyy, have been specified containing generic characters. The generic characters must be placed in the same position for both keywords.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxx, yyyyyyy

DFHCA5600 E date time applid netname tranid Unable to get storage for module DFHCICS. Primary CSD not initialized.

Explanation: There is insufficient storage to load module DFHCICS.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Ensure that there is sufficient storage to load the DFHCICS module.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxx, yyyyyyy

DFHCA5601 E date time applid netname tranid Unable to load the tabletype table named table.

Explanation: Table table cannot be loaded.

System Action: The system action depends on the type of table.

LD
DFHCS Dup cannot process the command. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoer of the utility.

FCT or RDT
The CSD utility cannot locate the table, and terminates the processing of the utility command.

User Response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, tabletype, table

DFHCA5602 E date time applid netname tranid Unable to unload the tabletype table named table.

Explanation: Table table cannot be unloaded.

System Action: The system action depends on the type of table.

LD
DFHCS Dup cannot process the command. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoer of the utility.

FCT or RDT
The CSD utility cannot unload the table, and terminates the processing of the utility command.

User Response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, tabletype, table

DFHCA5603 E date time applid netname tranid Unable to locate the tabletype table named table.

Explanation: Table table cannot be located.

System Action: The system action depends on the type of table specified.

LD
DFHCS Dup cannot process the command. The utility attempts to:
1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoer of the utility.

FCT, RDT or DCT
The CSD utility cannot locate the table, and terminates the processing of the utility command.

User Response: Determine the reason for the failure.

If your FCT, TCT or DCT assembly and link-editing is successful, the FCT, RDT or DCT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, tabletype, table

DFHCA5544 E date time applid netname tranid Command not executed. xxxxxx and yyyyyyy must be the same length.

Explanation: Two options, xxxxxx and yyyyyyy, have been specified but the length of the respective operands must be the same.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, xxxxxx, yyyyyyy

DFHCA5545 E date time applid netname tranid Command not executed. Generic characters must be in the same position in xxxxxx and yyyyyyy.

Explanation: Two options, xxxxxx and yyyyyyy, have been specified containing generic characters. The generic characters must be placed in the same position for both keywords.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, xxxxxx, yyyyyyy

DFHCA5546 E date time applid netname tranid Command not executed. Table table specified has incorrect tabletype.

Explanation: Table table has incorrect tabletype.

System Action: Processing of the utility command is terminated.

User Response: Correct the command.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, tabletabletypes, tabletabletypes
Destination: CSMT  
Module: DFHCAP  
XMEOUT Parameters: date, time, applid, netname, tranid, table

DFHCA5604 E date time applid netname tranid Unable to obtain storage for the cross-reference table named table.  
Explanation: DFHCSDUP was unable to obtain storage for table table.  
System Action: DFHCSDUP cannot process the command.  
If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)  
If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.  
User Response: Increase the region size and retry the command.  
Destination: CSMT  
Module: DFHCAP  
XMEOUT Parameters: date, time, applid, netname, tranid, table

DFHCA5605 E date time applid netname tranid Disallowed character in group or list name object.  
Explanation: The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file. This is because the group or list name contains an invalid character.  
System Action: A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)  
User Response: Use the CEDA transaction to define the resource with a valid name.  
Destination: CSMT  
Module: DFHCAP  
XMEOUT Parameters: date, time, applid, netname, tranid, object

DFHCA5606 S date time applid netname tranid Command is not executed. Unable to load the service module programe.  
Explanation: The service module, programe, cannot be loaded due to insufficient storage.  
System Action: Utility command execution is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.  
User Response: Retry the utility command with an increased region size.  
Destination: CSMT  
Module: DFHCAP  
XMEOUT Parameters: date, time, applid, netname, tranid, programe

DFHCA5607 S date time applid netname tranid Command is terminated. An error occurred while reading the first secondary CSD record.  
Explanation: An I/O error has occurred on the secondary CSD file.  
System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.  
User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.  
Destination: CSMT  
Module: DFHCAP  
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5608 S date time applid netname tranid Command is terminated. Error occurred while reading a secondary CSD record.  
Explanation: An I/O error has occurred on the secondary CSD file.  
System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.  
User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command. If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where errors have occurred because they will not print and are therefore easily identifiable.  
Destination: CSMT  
Module: DFHCAP  
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5609 S date time applid netname tranid Command is terminated. Error occurred while writing a primary CSD record.  
Explanation: An I/O error has occurred on the primary CSD file.  
System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.  
User Response: Retry the command, ensuring that a sufficiently large data set is specified for the output (primary) CSD file.  
Destination: CSMT  
Module: DFHCAP  
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5611 E date time applid netname tranid Command not executed. 'parameter' parameter must begin with 'DFH'.  
Explanation: In a CSD utility MIGRATE command, the specified parameter contained an invalid table name or group name.  
System Action: The utility does not process the command.  
User Response: Resubmit the MIGRATE command with a valid table name or group name.
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DFHCA5617 S date time applid netname tranid Command is terminated. Unrecognised type of record encountered while secondary CSD was being read.

Explanation: The record-type field of an input CSD record is invalid.

System Action: The SERVICE command is terminated. If subsequent commands are being read from a SYSIN data stream by the utility, subsequence commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST parameter indicates where errors have occurred because they will not print and are therefore easily identifiable.

DFHCA5618 I date time applid netname tranid An attention interrupt was requested during DFHCSDUP execution.

Explanation: An attention interrupt has been requested while DFHCSDUP is executing in a TSO environment.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5619 W date time applid netname tranid An invalid value of the PAGESIZE parameter has been specified. The default value of 60 lines per page will be used.

Explanation: A value of the PAGESIZE parameter outside the allowed range (4–9999) has been specified.

System Action: The default value of 60 lines per page is taken.

User Response: Ensure that a valid PAGESIZE value is specified in future.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

DFHCA5620 E date time applid netname tranid An illegal return code (RC=ret-code) has been returned from the exit.

Explanation: The specified user-exit routine has returned a disallowed return code.

System Action: Processing of the utility command is terminated. The exit is not disabled.

User Response: Investigate the specified exit routine for the cause of the return code.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid, ret-code, exit

DFHCA5621 E date time applid netname tranid A non-zero return code has been returned from the put-message exit.

Explanation: The put-message exit routine has returned a disallowed return code.

System Action: Processing of the utility command is terminated and the put-message exit is disabled.

User Response: Investigate the put-message exit routine for the cause of the return code.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid
The secondary CSD has been closed during clean-up processing following the interception of an abend.

Explanation: An abend has occurred during DFHCSDUP processing. The secondary CSD has been closed during post-ABEND cleanup processing.

System Action: Processing of the utility command is terminated.

User Response: Refer to prior messages for further information regarding this problem.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

The primary CSD has been closed during clean-up processing following the interception of an abend.

Explanation: An abend has occurred during DFHCSDUP processing. The primary CSD has been closed during post-ABEND cleanup processing.

System Action: Processing of the utility command is terminated.

User Response: Refer to prior messages for further information regarding this problem.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, netname, tranid

The extract exit program has been unloaded during clean-up processing following the interception of an abend.

Explanation: An abend has occurred during the processing of an EXTRACT command. The extract exit program specified on the USERPROGRAM keyword of the EXTRACT utility command has been unloaded during post-ABEND cleanup processing.

System Action: The EXTRACT command is terminated.

User Response: Refer to prior messages for further information regarding the problem.

Destination: CSMT
Module: DFHCAP
XMEOUT Parameters: date, time, applid, resourcetype, resourcename

No IBM supplied definition found for resourcetype resourcename.

Explanation: While performing a SCAN command, the named resource type was not found in the CSD file on any of the IBM supplied groups. Note that compatibility groups are not used for the SCAN command.

System Action: The utility continues.

User Response: None.

Destination: CSMT
Module: DFHCSDUP
XMEOUT Parameters: date, time, applid, resourcetype, resourcename, groupname

No IBM supplied definition found in group groupname1 matches the IBM supplied definition in group groupname2.

Explanation: While performing a SCAN command, the resource resourcetype name resourcename was found in group groupname1 and it matches the IBM supplied definition in group groupname2.

System Action: The utility continues.

User Response: None.

Destination: CSMT
Module: DFHCSDUP
XMEOUT Parameters: date, time, applid, resourcetype, resourcename, groupname1, groupname2

No IBM supplied definition found in group groupname.

Explanation: While performing a SCAN command, the resource resourcetype name resourcename was not found in any user groups.

System Action: The utility continues.

User Response: None.

Destination: CSMT
Module: DFHCSDUP
XMEOUT Parameters: date, time, applid, resourcetype, resourcename, groupname

No IBM supplied definition found in user groups.

Explanation: While performing a SCAN command, the resource resourcetype name resourcename was not found in any user groups.

System Action: The utility continues.

User Response: None.

Destination: CSMT
Module: DFHCSDUP
XMEOUT Parameters: date, time, applid, resourcetype, resourcename
DFHCCxxxx messages

DFHCC0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in the (local / global) catalog, module modname

Explanation: An abnormal end (abend) or program check has occurred in module modname and will have occurred in either the local (DFHLCD) or the global (DFHGCD) catalog domains. This implies that there may be an error in CICS code. Alternatively,

- Unexpected data has been input, or
- Storage has been overwritten.

The code aaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: An exception entry is made in the trace table, provided that trace is available at this time. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHCCDM, DFHCCC

XMEOUT Parameters: applid, {1=local, 2=global}, X'offset', modname

DFHCC0100 applid Global Catalog initialization failure.

{GENERATE ACB | OPEN ACB | GENERATE RPL | OPEN, SHOWCB.} R15 = X'yy' VSAM error code = X'zz'

Explanation: A VSAM error has occurred during global catalog initialization.

The VSAM codes given are explained in the VSAM Programmer’s Guide, GC26-3838.

The possible versions of this message include the text

- “GENERATE ACB”.
- “GENERATE RPL”.

The GENCB failed with the R15 condition given in X‘yy’. The X’zz’ code is only meaningful if X‘yy’ is X‘04’ when: X‘zz’ is the error code returned by VSAM Register 0 in response to a GENCB macro.

- “OPEN ACB”.

OPEN has failed with the R15 condition code X‘yy’. This was followed by a successful SHOWCB which has placed the OPEN error code into X‘zz’. Also see the message that VSAM writes to the operator console and programmer’s listing.

- “OPEN, SHOWCB”.

OPEN has failed with the R15 condition code X‘yy’. This was followed by a SHOWCB which failed, and the R0 return code from the SHOWCB is given in X‘zz’. Also see the message that VSAM writes to the operator console and programmer’s listing.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: A system dump is produced, then CICS is terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Look up the error codes in the VSAM Programmer’s Guide, correct it then retry.

If this fails, notify the system programmer. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

DFHCC0004 applid A possible loop has been detected in the [local / global] catalog at offset X'offset' in module modname

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X‘offset’ . This is the offset of the instruction which was executing at the time the error was detected.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: An exception entry is made in the trace table.

A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHCCDM

XMEOUT Parameters: applid, \{1=GENERATE ACB, 2=OPEN ACB, 3=GENERATE RPL, 4=OPEN, SHOWCB,\} yy, zz

DFHCC0101 LOCAL CATALOG INITIALIZATION ERROR.
\{GENERATE ACB | OPEN ACB | GENERATE RPL | OPEN, SHOWCB,\} R15 = X'yy' VSAM ERROR CODE = X'zz'

Explanation: A VSAM error has occurred during local catalog initialization.
The VSAM codes given are explained in the VSAM Programmer's Guide, GC26-3838.
The possible versions of this message include the text
- "GENERATE ACB".
- "GENERATE RPL".
The GENCB failed with the R15 condition given in X'yy'.
The X'zz' code is only meaningful when X'yy' is X'04';
when: X'zz' is the error code returned by VSAM Register 0 in response to a GENCB macro.
- "OPEN ACB".
OPEN has failed with the R15 condition code X'yy'. This was followed by a successful SHOWCB which has placed the
OPEN error code into X'zz'. Also see the message that VSAM writes to the operator console and programmer's listing.
- "OPEN, SHOWCB".
OPEN has failed with the R15 condition code X'yy'. This was followed by a SHOWCB which failed, and the R0
return code from the SHOWCB is given in X'zz'. Also see the
message that VSAM writes to the operator console and programmer's listing.

System Action: A system dump is produced, then CICS is terminated.

User Response: Look up the error codes in the VSAM Programmer's Guide, correct it then retry. If this fails, notify the
system programmer.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCCDM

DFHCC0102 applid Global catalog data set is already in use.

Explanation: The VSAM error reported in the previous
DFHCC0100 message suggests that the global catalog is already
being used, possibly by another CICS region. The global catalog
data set cannot be shared.

System Action: CICS is terminated.

User Response: Ensure that the DFHGCDD DD statement for this
CICS specifies a different global catalog data set from any CICS
job that is already running.

If CICS still fails, notify the system programmer. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem
Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHCCDM

XMEOUT Parameter: applid

DFHCC0103 LOCAL CATALOG DATA SET IS ALREADY IN USE.

Explanation: The VSAM error reported in the previous
DFHCC0101 message suggests that the local catalog is already
being used, possibly by another CICS region. The local catalog
data set cannot be shared.

System Action: CICS is terminated.

User Response: Ensure that the DFHLCDD DD statement for this
CICS specifies a different local catalog data set from any CICS job
that is already running.

If CICS still fails, notify the system programmer. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem
Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing
utility.

Destination: Console

Module: DFHCCDM

DFHCC0104 AN ABEND HAS OCCURRED DURING INITIALIZATION OF CATALOG DOMAIN IN MODULE DFHCCDM.

Explanation: DFHCCDM's recovery routine received control
during pre-initialization of the local catalog (CC) domain.

System Action: A system dump with dump code KERNDUMP is
taken and CICS terminates.

User Response: You need further assistance from IBM to resolve
this problem. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing
utility.

Destination: Console

Module: DFHCCDM

DFHCC0200 applid VSAM error on the \{local | global\} catalog data set. VSAM return code in R15 = X'yy'
RPL-FDBK=X'zz'.

Explanation: A catalog VSAM operation has produced the VSAM
error given.
An exception trace, code CC 2B60 or GC 2B60 has also been made.

System Action: A system dump is produced, then CICS is terminated. This is a critical error and CICS is terminated, even if
you have specified in the dump table that CICS should not terminate.
Message DFHME0116 is normally produced containing the
symptom string for this problem.

User Response: If possible, correct the VSAM error and restart
CICS. For the meaning of the return codes, refer to the VSAM Programmer's Guide GC26-3838.
Inform the system programmer because this indicates a possible
error in CICS code. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem
Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHCCDM
Chapter 1. DFH messages

DFHCC0201

DFHCC0201 VSAM ERROR ON THE LOCAL CATALOG DATA SET. VSAM RETURN CODE IN R15 = X'yy'
FDBK=X'zz'.

Explanation: A local catalog VSAM operation has produced the VSAM error given.

An exception trace, code CC 2B60 or GC 2B60 has also been made.

System Action: A system dump is produced then CICS is terminated. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

User Response: If possible correct the VSAM error and restart CICS. For the meaning of the return codes, refer to the VSAM Programmer's Guide GC26-3838.

Inform the system programmer as this indicates a possible error in CICS code. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCCCC

DFHCC0202 applid The {local | global} catalog has started to use new secondary space allocation.

Explanation: Secondary space may be specified when the catalog data sets DFHLCD and DFHGCD are defined. This message is issued when the catalog starts using an additional space allocation.

See the CICS System Definition Guide for more information on controlling CICS storage.

System Action: An exception entry is made in the trace table, provided that trace is available at this time.

User Response: There are two possibilities.

- The system is in a loop which involves calls to the catalog to write onto the catalog data set. This is the most likely cause if the system suddenly starts to produce this message repeatedly.
- Insufficient primary space was allocated for the catalog when it was defined. This is the most likely cause if this message is produced either:
  - during or shortly after CICS initialization, or
  - this message is only produced infrequently (and only a few are ever produced).

Look for any other symptoms of possible looping, and act accordingly. If looping has occurred then the system programmer should redefine the catalog during the next CICS initial start.

If CICS was not looping then notify the system programmer, who should increase the primary space allocated for this data set during the next CICS initial start.

Destination: Console

Module: DFHCCCC

DFHCC0203 applid The {local | global} catalog is full.

Explanation: The specified catalog data set (DFHLCD or DFHGCD) is full. There are two possible reasons for this error:

- The system is in a loop which involves calls to the catalog to write onto the catalog data set.
- Insufficient primary space was allocated for the catalog when it was defined. This is the most likely cause if this message is issued during or shortly after CICS initialization.

System Action: If the error occurs during initialization, a system dump is produced then CICS is terminated. If the error occurs after initialization, the domain invoking the catalog services will decide what action is appropriate.

User Response: Check for any other symptoms of looping and act accordingly.

If CICS is not looping, notify the system programmer who should increase the primary space allocated for this data set during the next CICS initial start.

If CICS is looping, this indicates an error in CICS code. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHCCCC

XMEOUT Parameters: applid, {1=local, 2=global}

DFHCC0300 DFHCCUTL ERROR REPORT. ERROR {OPENING DFHLCD.|WRITING TO DFHLCD. R15 = X'yy' VSAM RPL FEEDBACK CODE = X'zz'.}

Explanation: The initialization of the local catalog data set, DFHLCD, has failed for the reasons given in the resulting job output.

System Action: Job terminates.

User Response: For the meaning of the VSAM codes, refer to the VSAM Programmer's Guide GC26-3838.

Correct cause of error indicated and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCCUTL

DFHCExxxx messages

DFHCE3500 Unable to interpret keyword data. Sign-on is terminated.

Explanation: The keyword data supplied when invoking the sign on transaction is invalid.

System Action: Signon terminates.

User Response: Use the correct format to invoke the sign on transaction. The correct format is:

```
CESN USERID=userid, GROUPID=groupid,
PS=password, NEMPW=new_password,
LANGUAGE=language_code
```

See the CICS Supplied Transactions manual.

Destination: Terminal End User
DFHCE3501
Module: DFHSNP
DFHCE3501 Invalid keyword. Sign-on is terminated.
Explanation: The keyword which was entered was invalid.
System Action: The sign on transaction terminates.
User Response: Use a valid character keyword within the range 1-8.
Destination: Terminal End User
Module: DFHSNP

DFHCE3502 Your userid must be 1-8 characters. Sign-on is terminated.
Explanation: The value of the USERID keyword has less than 1 or more than 8 characters.
System Action: Sign on terminates.
User Response: Use a valid userid.
Destination: Terminal End User
Module: DFHSNP

DFHCE3503 Your password must be 1-8 characters. Sign-on is terminated.
Explanation: The value of the PS keyword has less than 1 or more than 8 characters.
System Action: Sign on terminates.
User Response: Use a valid password.
Destination: Terminal End User
Module: DFHSNP

DFHCE3504 Your new password must be 1-8 characters. Sign-on is terminated.
Explanation: The value of the NEWPS keyword has less than 1 or more than 8 characters.
System Action: Signon terminates.
User Response: Use a valid new password.
Destination: Terminal End User
Module: DFHSNP

DFHCE3506 Your groupid must be 1-8 characters. Sign-on is terminated.
Explanation: The value of the GROUPID keyword has less than 1 or more than 8 characters.
System Action: Signon terminates.
User Response: Use a valid group name.
Destination: Terminal End User
Module: DFHSNP

DFHCE3507 Your language code must be three characters. Sign-on is terminated.
Explanation: The value of the LANGUAGE keyword is not a three-letter code.
System Action: Signon terminates.
User Response: Use a valid language code.
Destination: Terminal End User
Module: DFHSNP
DFHCE3526 Your password has expired. Please type your new password===>@@@@@@@@
Explanation: The system requests a new password.
@@@@@@@@ represents a character string provided by CICS to prevent the new password being seen.
System Action: The system waits for a response.
User Response: Enter a new password.
Destination: Terminal End User
Module: DFHSNP

DFHCE3527 Use your magnetic (OPID) card or press ENTER to cancel.
Explanation: A magnetic card is required.
System Action: The system waits for an OPID (magnetic) card.
User Response: Supply badge or terminate transaction.
Destination: Terminal End User
Module: DFHSNP

DFHCE3528 Signon failed during SECLABEL checking.
Explanation: The signon request has failed because the external security manager (ESM) detected a critical error.
System Action: The signon transaction terminates.
User Response: Refer to message DFHSD1108 on the CSCS log for the information and actions necessary to resolve this problem.
Destination: Terminal End User
Module: DFHSNP

DFHCE3529 The ESM is currently not accepting signons. Please try later.
Explanation: The signon request has failed because the external security manager (ESM) was in a tranquil state. When in a tranquil state, only signons from special users are accepted.
System Action: The signon transaction terminates.
User Response: The ESM has probably been put into a tranquil state to allow for ESM database maintenance. Determine whether maintenance is currently occurring and how long it will take. When maintenance is finished the tranquil state should be removed from the ESM which will allow you to log on to CICS. If the ESM has not been put into a tranquil state then, refer to message DFHSD1108 on the CSCS log for the information and actions necessary to resolve this problem.
Destination: Terminal End User
Module: DFHSNP

DFHCE3530 Your userid is invalid. Please retype.
Explanation: Your userid is invalid.
The system requests a userid.
System Action: The system waits for a response.
User Response: Enter a valid userid.
Destination: Terminal End User
Module: DFHSNP

DFHCE3531 Your userid is invalid. Please retype===>
Explanation: Your userid is invalid.
The system requests a userid.
System Action: The system waits for a response.
User Response: Enter a valid userid.
Destination: Terminal End User
Module: DFHSNP

DFHCE3532 Your password is invalid. Please retype.
Explanation: The password entered was invalid.
System Action: The system waits for a response.
User Response: Enter a valid password.
Destination: Terminal End User
Module: DFHSNP

DFHCE3533 Your password is invalid. Please retype===>@@@@@@@@
Explanation: The password entered was invalid.
System Action: The system waits for a response.
User Response: Enter a valid password.
Destination: Terminal End User
Module: DFHSNP

DFHCE3534 Your new password is invalid. Please retype.
Explanation: The new password entered was invalid.
System Action: None.
User Response: Enter a valid password.
Destination: Terminal End User
Module: DFHSNP

DFHCE3535 Your new password is invalid. Please retype===>@@@@@@@@
Explanation: The new password entered was invalid.
System Action: The system waits for a response.
User Response: Enter a valid password.
Destination: Terminal End User
Module: DFHSNP

DFHCE3536 Invalid OPID. Please enter a valid card or press ENTER to cancel.
Explanation: The OPID entered is invalid.
System Action: The system waits for a response.
User Response: Enter a valid card or press ENTER to cancel the signon.
Destination: Terminal End User
Module: DFHSNP
DFHCE3537 Language is invalid. Please retype.
Explanation: The language code entered is invalid.
System Action: The system waits for a response.
User Response: Enter a valid language code.
Destination: Terminal End User
Module: DFHSNP

DFHCE3538 Language is invalid. Please retype.==>
Explanation: The language code entered is invalid.
System Action: The system waits for a response.
User Response: Enter a valid language code.
Destination: Terminal End User
Module: DFHSNP

DFHCE3539 Please reenter the new password for verification.
Explanation: You have entered a new password in the new
password field and you are now being prompted to reenter the
same password to assure yourself of the new password data.
System Action: The system waits for a response.
User Response: Reenter the new password in the password field.
Destination: Terminal End User
Module: DFHSNP

DFHCE3541 Security interface error (rc). Sign-on is terminated.
Explanation: An error has been detected in an external security
manager. rc is the return code from the external security manager.
System Action: Signon terminates.
User Response: For a RACF signon, rc is the return code from
the RACINIT macro. See the appropriate RACF manual for details
of the macro return codes. The return codes are macro specific.
Destination: Terminal End User
Module: DFHSNP

DFHCE3542 Sign-on is not allowed at this terminal. Your
sign-on is ignored.
Explanation: The sign on transaction cannot be executed at the
current terminal for one of the following reasons:
  • The terminal is defined with a preset userid that cannot be
    changed by signing on
  • The terminal is a surrogate of a terminal in another CICS
    region, but the sign on transaction is not executing within a
    session established by the CRTE transaction.
System Action: The sign on transaction terminates.
User Response: Do not use the sign on transaction at this
terminal.
Destination: Terminal End User
Module: DFHSNP

DFHCE3543 You have cancelled your sign-on request. Sign-on
is terminated.
Explanation: The user has pressed ENTER when an OPID card
was requested or has entered PF3 on a 3270 terminal device.
System Action: The sign on transaction terminates.
User Response: Retry the sign on procedure.
Destination: Terminal End User
Module: DFHSNP

DFHCE3544 Terminal authorization failed. Sign-on is terminated.
Explanation: RACF has responded to a security request with
'Terminal not authorized' and RACF response code X'30'.
System Action: The sign on transaction terminates.
User Response: Inform the systems programmer, who should
refer to message DFHSN1118 on the CSCS log for the relevant
information and actions necessary to resolve this problem.
Destination: Terminal End User
Module: DFHSNP

DFHCE3545 Application authorization failed. Sign-on is
terminated.
Explanation: RACF has responded to a security request with
'Application not authorized' and RACF response code X'34'.
System Action: The sign on transaction terminates.
User Response: Inform the systems programmer, who should
refer to message DFHSN1119 on the CSCS log for the relevant
information and actions necessary to resolve this problem.
Destination: Terminal End User
Module: DFHSNP

DFHCE3546 Your signon (userid / group access) has been
revoked. Signon is terminated.
Explanation: The response from RACF indicates that either the
userid that you use to signon to CICS, or your access to the RACF
group that contains it, has been revoked by the system.
System Action: The signon transaction terminates.
User Response: Contact your RACF administrator, who can
re-authorize the revoked user ID.
Destination: Terminal End User
Module: DFHSNP

DFHCE3547 Security is not active. Sign-on cannot be
performed.
Explanation: A request to sign on to the CICS system was
rejected because the CICS security system was not active.
A user can only sign on to CICS when CICS security is active.
The CICS security system is activated using the system
initialization parameter SEC=YES.
System Action: The sign on transaction terminates.
User Response: None.
Destination: Terminal End User
Module: DFHSNP
DFHCE3548 date time applid Critical error has occurred in DFHSNP. Codes: 1,2,3,4,5.

Explanation: The sign on program, DFHSNP, is abnormally terminated due to a critical error.

The five codes indicate the cause of the error and where the error occurred.

Code 1 is an abend code. It can be one of ASNA, ASNB or ASNC. Codes 2, 3, 4 and 5 are codes which help IBM to identify the source of the error. They are id_location, EIBFRCODE, EIBRESP and EIBRESP2.

System Action: DFHSNP is abnormally terminated with a transaction dump. Message DFHAC2206 is normally issued, but if no terminal is associated with the task, DFHAC2236 may be issued instead.

User Response: Refer to message DFHAC2206 or DFHAC2236. If DFHAC2236 has been issued, the absence of a terminal is probably the reason for the abend.

Use the abend code given in the message to determine the reason for the error and the course of action to take. This enables you to determine whether the abend was caused by user error or by an error in CICS code. (An error in CICS code is signalled by abend code ASNA.)

If you suspect an error in CICS code, you need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT
Module: DFHSNP
XMEOUT Parameters: date, time, applid, 1, 2, 3, 4, 5

DFHCE3549 Sign-on is complete (Language language).

Explanation: The user has successfully signed on to the CICS system.

System Action: CICS is ready to receive user transactions.

User Response: Use terminal as required for CICS transactions.

Destination: Terminal End User
Module: DFHSNP

DFHCE3550 Sign-off option must be LOGOFF or GOODNIGHT. Sign-off is ignored.

Explanation: An option other than LOGOFF|GOODNIGHT was detected.

System Action: The sign-off transaction terminates.

User Response: Specify the correct option when invoking sign-off.

Destination: Terminal End User
Module: DFHSFP

DFHCE3551 date time applid termid DFHSNP has detected an invalid COMMAREA. It has been ignored. The data is lost.

Explanation: While processing a CESN transaction DFHSNP was passed a commarea that was not its own. This may be the result of an application issuing the EXEC CICS RETURN TRANSID(...) COMMAREA(...) with a transid of nulls ('X'00000000'). This could be because the pointer to the transid is incorrectly set up or may be part of the system design.

System Action: DFHSNP continues with CESN transaction processing.

User Response: Investigate whether this message is issued validly as part of the system design, in which case the message can be ignored, or is an error. Investigate the previous transaction at this terminal.

Destination: CSMT
Module: DFHSNP
XMEOUT Parameters: date, time, applid, termid

DFHCE3560 Sign-off is not allowed at this terminal. Sign-off is ignored.

Explanation: The sign-off transaction cannot be executed at the current terminal for one of the following reasons:

- The terminal is defined with a preset userid that cannot be changed by signing off
- The terminal is a surrogate of a terminal in another CICS region, but the sign-off transaction is not executing within a session established by the CRTE transaction.

System Action: The sign-off transaction terminates.

User Response: Do not use the sign-off transaction at this terminal.

Destination: Terminal End User
Module: DFHSFP

DFHCE3570 Your groupid is invalid. Please retype.

Explanation: Your group identifier is invalid.

The system requests a group identifier.

System Action: The system waits for a response.

User Response: Enter a valid group identifier.

Destination: Terminal End User
Module: DFHSNP

DFHCE3571 Your groupid is invalid. Please retype==>

Explanation: Your group identifier is invalid.

The system requests a group identifier.

System Action: The system waits for a response.

User Response: Enter a valid group identifier.

Destination: Terminal End User
Module: DFHSNP

DFHCE3587 You cannot signon at this terminal at this time.

Explanation: You cannot signon at this terminal at this time. The SNSCOPE initialization parameter disallows signon to more than one terminal at a time. An internal failure during SNSCOPE checking means that CICS is unable to confirm if the user is already signed on elsewhere. The failure has occurred because the limit of concurrent MVS ENQ requests has been reached.

System Action: The signon transaction terminates. Message DFHUS0120 will have been written to the console. See the explanation of this message for further information.

User Response: Please report this problem to your CICS systems programmer.

Destination: Terminal End User
Module: DFHSNP
DFHCE3588 You are already signed on at another terminal. Signon cannot be performed.

**Explanation:** You cannot sign on at the current terminal because you are already signed on at another terminal. The SNSCOPE initialization parameter for the CICS system does not allow you to sign on to more than one terminal at a time.

**System Action:** The sign on transaction terminates.

**User Response:** Sign off from the other terminal before you attempt to sign on again.

**Destination:** Terminal End User

**Module:** DFHSNP

DFHCE3589 The external security manager is inactive. Signon cannot be performed.

**Explanation:** You cannot sign on because the external security manager is not active.

**System Action:** The sign on transaction terminates.

**User Response:** Wait until the external security manager has been reactivated before attempting to sign on again.

**Destination:** Terminal End User

**Module:** DFHSNP

DFHCE3590 Sign-off is complete.

**Explanation:** If the user issued a CESN to sign on to the system, then sign-off has been successful. If the user was not signed on, and CICS security was active (SEC=YES system initialization parameter) then message DFHSN1213 is written to the CSCS log to indicate that the user has logged off but has not been allowed to sign off.

**System Action:** Other processing continues.

**User Response:** Use the terminal as required for CICS transactions.

**Destination:** Terminal End User

**Module:** DFHSNP

DFHCE3591 Sign-off is complete. LOGOFF option is invalid when using CRTE.

**Explanation:** The terminal is now signed off. The LOGOFF option which was specified has been ignored as it is invalid when using CRTE.

**System Action:** The CICS system, to which the user has connected via CRTE, has been signed off.

**User Response:** Do not use the LOGOFF option when signing off via CRTE.

**Destination:** Terminal End User

**Module:** DFHSFP

DFHCE3592 Sign-off is complete. GOODNIGHT option is invalid when using CRTE.

**Explanation:** The terminal is now signed off. The GOODNIGHT option which was specified has been ignored as it is invalid when using CRTE.

**System Action:** The CICS system, to which the user has connected via CRTE, has been signed off.

**User Response:** Do not use the GOODNIGHT option when signing off via CRTE.

**Destination:** Terminal End User

**Module:** DFHSFP

DFHCE3598 Critical error has occurred in DFHSFP. Codes: 1,2,3,4,5.

**Explanation:** The signoff program, DFHSFP, will abnormally terminate due to a critical error.

The five codes indicate the cause of the error and where the error occurred.

Code 1 is an abend code. It can be ASFA, ASFB or ASFC.

Codes 2, 3, 4 and 5 are codes which help IBM to identify the source of the error. They are id_location (in hexadecimal), EIBFRCODE, EIBRESP and EIBRESP2.

**System Action:** DFHSFP is abnormally terminated with a transaction dump. Message DFHAC2206 is normally issued, but if no terminal is associated with the task, DFHAC2236 may be issued instead.

**User Response:** Refer to message DFHAC2206 or DFHAC2236. If DFHAC2236 has been issued, the absence of a terminal is probably the reason for the abend.

Use the abend code given in the message to determine the reason for the error and the course of action to take. This will enable you to determine whether the abend was caused by user error or by an error in CICS code. (An error in CICS code is signalled by abend code ASFA.)

If you suspect an error in CICS code, you need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSMT

**Module:** DFHSFP

**XMEOUT Parameters:** date, time, applid, 1, 2, 3, 4, 5

DFHCFxxxx messages

DFHCF0101I CF data table server initialization is in progress.

**Explanation:** The coupling facility data table server program has started execution.

**System Action:** Initialization continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFMN

DFHCF0102I CF data table server for pool poolname is now active.

**Explanation:** The coupling facility data table server for the named pool has completed initialization and is now ready to accept connections.

**System Action:** The server waits for connection requests or operator commands.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.
DFHCF0103 CF data table server initialization failed because the POOLNAME parameter was not specified.

**Explanation:** The coupling facility data table server program needs to know the name of the associated coupling facility data table pool in order to complete initialization, but no pool name was specified in the SYSIN or PARM field parameters.

**System Action:** The server is terminated.

**User Response:** Ensure that the parameter POOLNAME=name is specified either in the SYSIN parameters or in the PARM field of the JCL for the server.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFMN

DFHCF0104 CF data table server initialization failed because program DFHCFMN is not APF authorized.

**Explanation:** The coupling facility data table server main program DFHCFMN cannot complete initialization because it is not running with APF authorization.

**System Action:** The server is terminated.

**User Response:** Ensure that the coupling facility data table server program DFHCFMN is loaded from an APF authorized library and has been link-edited with the option AC(1).

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFMN

DFHCF0111I CF data table server for pool poolname is terminating.

**Explanation:** The coupling facility data table server has started termination processing, so no further requests will be processed.

**System Action:** Termination continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFMN

DFHCF0112I CF data table server has terminated, return code retcode, reason code rsncode.

**Explanation:** The coupling facility data table server has completed termination processing. For normal termination, the return code and reason code are both zero. If the termination was caused by an error, the return code will be 8 and the reason code will be the number of the previous DFHCFnnnn message giving the reason for termination.

**System Action:** The coupling facility data table server program returns control (via the AXM termination routines) to MVS for job step termination.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFMN

DFHCF0113 CF data table server completion code is cmpcode, reason code rsncode.

**Explanation:** The coupling facility data table server has terminated after intercepting an abnormal termination (ABEND) request. If the completion code is a system completion code, it is shown as three hexadecimal digits, otherwise it is shown as four decimal digits for a user completion code. Any associated reason code is shown as a four byte hexadecimal value, which will be zero if no reason code was provided.

**System Action:** The coupling facility data table server program returns control (via the AXM termination routines) to MVS for job step termination.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFMN

DFHCF0201I Processing type parameters

**Explanation:** The coupling facility data table server parameter processing routine is interpreting the specified parameter string. The first word gives the type of parameter (SYSIN/PARM/SET/DISPLAY/PRINT) and the rest is the specified parameters optionally followed by descriptive comment text after one or more spaces. If the parameters start with an asterisk or a space, the whole line is taken as descriptive comments.

**System Action:** Any specified parameters will be processed.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCFPR

DFHCF0202 Unknown parameter keyword: keyword

**Explanation:** This parameter keyword did not match any of the defined parameter keywords for the coupling facility data table server.

**System Action:** Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFPR
DFHCF0203 Value value for parameter keyword is incorrect. It must be a name of up to 8 characters.

Explanation: The value of this parameter should have been specified as a name containing not more than 8 characters.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initial parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0204 Value value for parameter keyword is incorrect. It must be a decimal number.

Explanation: The value of this parameter should have been specified as a decimal number but was not in a valid format. (Numeric parameters can optionally be followed by the letter K, M or G to denote the appropriate powers of 1024).

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initial parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0205 Value value for parameter keyword is greater than the maximum allowed value maximum.

Explanation: The value of this parameter exceeded the maximum allowed value, given in the message.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initial parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0206 Value value for parameter keyword is less than the minimum allowed value minimum.

Explanation: The value of this parameter was less than the minimum allowed value, given in the message.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initial parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0207 Value value for parameter keyword is incorrect. It should be a time hh:mm:ss or hh:mm or a number of seconds.

Explanation: The value of this parameter did not conform to the correct syntax for a time interval.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initial parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0208 Parameter keyword keyword is not supported for command.

Explanation: A parameter was specified in a context where it is not valid, such as an attempt to SET a parameter which can only be specified at initialization time, or to specify at initialization time a parameter which is only valid on DISPLAY.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initial parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: If the error occurred at initialization, remove the incorrect parameter and restart the server. If it occurred on a server command, check that the command and parameter were correctly entered.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR
**DFHCF0209**

Parameter text contains invalid character: *text*

**Explanation:** The coupling facility data table server parameter processing routine found some unexpected text when attempting to process parameters.

**System Action:** Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Correct the parameters (or remove the incorrect parameter) and reenter the command or restart the server.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFPR

---

**DFHCF0210**

Parameter keyword *keyword* should not have a value for *command*.

**Explanation:** A coupling facility data table server parameter keyword was specified in the form *keyword=value* in a context where it was not expected, for example on a DISPLAY command.

**System Action:** Processing of the current line of parameters is terminated.

**User Response:** Reenter the command without specifying a value for the parameter to be displayed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFPR

---

**DFHCF0211**

Parameter value: *keyword=value*

**Explanation:** This message is issued to show the current value of a coupling facility data table server parameter setting in response to a DISPLAY or PRINT command.

**System Action:** Processing continues normally.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFPR

---

**DFHCF0212**

Value *value* for parameter *keyword* is incorrect. It must be one of *validlist*.

**Explanation:** The value of this coupling facility data table server parameter was not recognized. It should have been specified as one of the indicated list of values.

**System Action:** Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Correct the parameter value and reenter the command or restart the server.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFPR

---

**DFHCF0213**

Value *value* for parameter *keyword* is missing. The correct form is *keyword=value*.

**Explanation:** A parameter keyword was specified without an associated parameter value on a coupling facility data table server SET command or in a SYSIN or PARM parameter string. Note that the only character which should appear between the parameter keyword and its intended value is the equals sign, without any extra spaces.

**System Action:** Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Reenter the parameter specification in the correct form *keyword=value*.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFPR

---

**DFHCF0214**

Value *value* for parameter *keyword* is incorrect. Pattern matching is not supported in this context.

**Explanation:** A parameter value containing one of the pattern matching (wild card) characters '*', '%' or '?' was specified in a context where only a single identifier is supported.

**System Action:** Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Correct the parameter value and reenter the command.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFPR

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**DFHCF0215**

Value *value* for applid.uowid parameter *keyword* is incorrect. The APPLID part should be a name of up to 8 characters.

**Explanation:** The value of this coupling facility data table server parameter did not conform to the correct syntax for the APPLID part of a unit of work identifier.

**System Action:** Processing of the current line of parameters is terminated.

**User Response:** Correct the parameter value and reenter the command.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFPR
DFHCF0216

DFHCF0216 Value value for applid.uowid parameter keyword is incorrect. The UOWID part should be 16 hexadecimal digits or "**".

Explanation: The value of this coupling facility data table server parameter did not conform to the correct syntax for a unit of work identifier.

System Action: Processing of the current line of parameters is terminated.

User Response: Correct the parameter value and reenter the command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFPR

DFHCF0217 Parameter keyword keyword requires a table name. It should be preceded by TABLE=name in the same command line.

Explanation: This coupling facility data table server parameter can only be set for a specific table, but it was not preceded by a TABLE=name parameter in the same command line.

System Action: Processing of the current line of parameters is terminated.

User Response: Insert the parameter TABLE=name before the specified keyword and reenter the command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFPR

DFHCF0218 TABLE=table was specified without any table-related parameter.

Explanation: A coupling facility data table server SET command was issued including a parameter of the form TABLE=table name to select a specific table, but it was not followed by any table-related parameter within the same command.

System Action: The table name parameter is ignored.

User Response: If a table-related parameter was to be set, ensure that it is included on the same SET command as the table name.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFPR

DFHCF0301I Console operator consname issued command: command

Explanation: A coupling facility data table server operator command has been issued via the MVS MODIFY or STOP command. This message identifies the console name (or TSO userid) from which the command was issued and the text of the command.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFOP

DFHCF0302I command command ignored because no valid parameters were given.

Explanation: A coupling facility data table server command was issued which had no valid parameters on it but was otherwise syntactically valid. The command has had no effect.

System Action: Processing continues normally.

User Response: Ensure that the command was entered correctly.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFOP

DFHCF0303I command command has been processed.

Explanation: A coupling facility data table server command has been processed successfully.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFOP

DFHCF0304I STOP command is waiting for connections to be closed. Number of active connections = connections.

Explanation: A coupling facility data table server STOP command has been issued (either via an MVS MODIFY command or via an MVS MODIFY command with the text STOP) but there are still active connections to the server, so the STOP command has not yet taken effect.

System Action: The server rejects any further attempts to establish new connections, but continues processing requests for existing connections. Each time a connection is terminated, this message will be repeated as long as there are more active connections.

User Response: Further information about the connections which are still active may be obtained using the command DISPLAY CONNECTIONS.

If the server needs to be shut down without waiting for connections to be closed, issue the server CANCEL command. Note that this will immediately terminate any active connections, causing any further requests for that server to be given a SYSIDERR indication. (The MVS CANCEL command can also be used, but should preferably be avoided because it will prevent the server from producing its normal closedown statistics and reports).

Note that if a CICS region is abnormally terminated while server connect or disconnect processing is in progress, or is terminated without going through end of task processing (for example using the FORCE command) there is a slight chance that the server will not be notified that the connection has been terminated. In this case the server will not be able to be closed down with the server STOP command, but only with the server CANCEL command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFOP
**DFHCF0305I** STOP command has been processed.

Explanation: Processing of a coupling facility data table server STOP command has now been successfully completed. This means that there are no longer any active connections and the server is ready to close down.

System Action: The coupling facility data table server starts termination processing.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOP

---

**DFHCF0306 CF data table server does not support this command = command**

Explanation: An operator command was addressed to the coupling facility data table server using the MVS MODIFY command, but the first word of the MODIFY parameter text is not a recognized server command (SET, DISPLAY, PRINT, STOP, CANCEL or an accepted abbreviation for one of these).

System Action: The command is ignored.

User Response: Correct and reenter the command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOP

---

**DFHCF0307I CANCEL command has been processed. Number of active connections = connections.**

Explanation: A coupling facility data table server CANCEL command has been issued, either from an operator console or internally by the server in response to a severe error such as coupling facility failure. This message includes the number of active connections which may be affected by this command.

System Action: The server terminates immediately, without waiting to close connections.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOP

---

**DFHCF0308 CF data table server does not support CICS commands. To close it down, you can use the STOP command.**

Explanation: An operator command which appears to be a CICS command (a four-character transaction code of the form 'CExx') was addressed to the coupling facility data table server using the MVS MODIFY command.

System Action: The command is ignored.

User Response: Correct and reenter the command. If the intention is to close down the server, use the server STOP or CANCEL command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOP

---

**DFHCF0321 Pool state error, reason code reason, processing request request for table table, key key, task task, region region.**

Explanation: Integrity checks during coupling facility data table request processing found that data or control information in the pool list structure was in a state that should not be possible in normal processing. The reason codes are based on the response codes returned by the internal coupling facility interface.

- Reason codes:
  1. Entry exceeds maximum data length.
  2. Entry not found.
  3. Wrong version.
  4. Wrong list authority.
  5. Maximum number of entries in list reached.
  6. No space left in structure.

All of these conditions can also occur in normal processing. This message is only issued if the condition occurs in a case where it should not occur, or when the normal retry action following the condition cannot be performed. For example, a wrong version response from the coupling facility interface normally simply indicates that an entry has changed, causing the entry to be read again, and this is only treated as a pool state error if the data or control information in the changed entry is not consistent with the expected state of the record.

System Action: The request is terminated with a pool state error exception.

User Response: This indicates that some data in the pool has become inconsistent or corrupted. There is no known way that this can happen unless a program other than the coupling facility data table server is used to access the pool. If this error occurs for data records in a particular table, it may be necessary to delete the table to clear up the problem. If it occurs for other control information, it may be necessary to recreate the pool.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOP

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**DFHCF0331I Table table maximum records limit now set to maxrec (was oldmax). Current number of records is records.**

Explanation: The maximum number of records allowed to be stored in the specified table has been successfully modified in response to a coupling facility data table server SET TABLE command with the MAXRECS parameter. The previous maximum number is shown, and the current number of records. The new or previous maximum number may also be shown as NOLIMIT for the special value indicating that no limit applies. (For a recoverable table with uncommitted updates, this number includes the original versions of changed records, as these are retained until syncpoint time to allow for possible backout).

System Action: Processing continues using the new value for the maximum number of records. If the current number of records already exceeds this value, no further records can be added (or, for a recoverable table, updated) until enough records have been deleted to bring the current number below the limit.

User Response: None.
**DFHCF0332I** Pool state error, reason code reason, processing SET command for table table.  
**Explanation:** The status of the table specified on a coupling facility data table server SET TABLE command could not be modified because the control information in the list structure was in a state that should not be possible in normal processing. The reason codes are based on the response codes returned by the internal coupling facility interface.  
- Reason codes:  
  - 2  Entry exceeds maximum data length.  
  - 3  Entry not found.  
  - 4  Wrong version.  
  - 5  Wrong list authority.  
  - 6  Limit number of entries in list reached.  
  - 7  No space left in structure.  

All of these conditions can also occur in normal processing. This message is only issued if the condition occurs in a case where it should not occur, or when the normal retry action following the command cannot be performed.  
**System Action:** The command is ignored.  
**User Response:** This indicates that some data in the pool has become inconsistent or corrupted. There is no known way that this can happen unless a program other than the coupling facility data table server is used to access the pool. If this error occurs for attempts to modify a particular table, it may be necessary to delete the table to clear up the problem. If it occurs for other control information, it may be necessary to recreate the pool.  
**Note:** This message cannot be changed with the message editing utility.  
**Destination:** Console and SYSPRINT  
**Module:** DFHCFOC

**DFHCF0334I** Table table status could not be modified, CF access error.  
**Explanation:** During processing of a coupling facility data table server SET TABLE command, an unexpected error response was received. This message is preceded by message DFHCF0441 giving the details of the coupling facility access error.  
**System Action:** The command is ignored.  
**User Response:** Check the system log for a preceding DFHCF0441 message and see the explanation of that message.  
**Note:** This message cannot be changed with the message editing utility.  
**Destination:** Console and SYSPRINT  
**Module:** DFHCFOC

**DFHCF0335I** Table table is now marked as available.  
**Explanation:** The state of the specified table has been changed from unavailable to available in response to a coupling facility data table server SET TABLE command with the option AVAILABLE=YES.  
**System Action:** Processing continues. New OPEN requests for the table will now be allowed.  
**User Response:** None.  
**Note:** This message cannot be changed with the message editing utility.  
**Destination:** Console and SYSPRINT  
**Module:** DFHCFOC

**DFHCF0336I** Table table is now marked as unavailable.  
**Explanation:** The state of the specified table has been changed from available to unavailable in response to a coupling facility data table server SET TABLE command with the option AVAILABLE=NO.  
**System Action:** Processing continues. New OPEN requests for the table will be rejected with an indication that the table is unavailable.  
**User Response:** None.  
**Note:** This message cannot be changed with the message editing utility.  
**Destination:** Console and SYSPRINT  
**Module:** DFHCFOC

**DFHCF0337I** Table table was already marked as available.  
**Explanation:** This is a response to the coupling facility data table server SET TABLE command with the parameter AVAILABLE=YES when the table is already marked as available.  
**System Action:** Processing continues.  
**User Response:** None.  
**Note:** This message cannot be changed with the message editing utility.  
**Destination:** Console and SYSPRINT  
**Module:** DFHCFOC
**DFHCF0338I** Table table was already marked as unavailable.

**Explanation:** This is a response to the coupling facility data table server SET TABLE command with the parameter AVAILABLE=NO when the table is already marked as unavailable.

**System Action:** Processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCN

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**DFHCF0341I** Server request statistics for table table:

**Explanation:** This message gives table access statistics for the current coupling facility data table server, listing the total number of requests of each type handled since the previous statistics reset. It is issued in response to a DISPLAY or PRINT command which includes the TABLESTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output. Note that this message is suppressed if all statistics are zero.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Table: Open Close Set Attr Delete Stats</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record: Point Highest Read Read Del Unlock</td>
</tr>
<tr>
<td>Load Write Rewrite Delete Del Mult</td>
</tr>
</tbody>
</table>

**System Action:** Processing continues.

**User Response:** The statistics are described in detail in the DFHCFS8D data area. The individual fields have the following meanings:

- **Table requests:**
  - **Open** Number of successful OPEN requests for the table
  - **Close** Number of successful CLOSE requests for the table
  - **Set Attr** Number of times new table status was set
  - **Delete** Number of times the table of that name was deleted
  - **Extract** Number of times table access statistics were extracted

- **Record requests:**
  - **Point** Number of POINT requests
  - **Highest** Number of requests for current highest key
  - **Read** Number of READ requests (including those for UPDATE)
  - **Read Del** Number of combined READ and DELETE requests
  - **Unlock** Number of UNLOCK requests
  - **Loads** Number of records written by initial load requests
  - **Write** Number of WRITE requests for new records
  - **Rewrite** Number of REWRITE requests
  - **Delete** Number of DELETE requests
  - **Del Mult** Number of multiple (generic) delete requests

The coupling facility architecture supports some options and types of request such as combined READ and DELETE which are not currently supported by CICS File Control, but the server supports them for completeness. Server request counts for such options and request types are always zero.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCN

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**DFHCF0342I** Server request statistics for all tables:

**Explanation:** This message gives overall request statistics for the current coupling facility data table server, listing the total number of requests of each type handled since the previous statistics reset. It is issued in response to a DISPLAY or PRINT command which includes the TABLESTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Table: Open Close Set Attr Delete Stats Inquire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record: Point Highest Read Read Del Unlock</td>
</tr>
<tr>
<td>Load Write Rewrite Delete Del Mult</td>
</tr>
<tr>
<td>UOW: Prepare Retain Commit Backout Inquire Restart</td>
</tr>
</tbody>
</table>

**System Action:** Processing continues.

**User Response:** The statistics are described in detail in the DFHCFS8D data area. The individual fields have the following meanings:

- **Table requests:**
  - **Open** Number of successful OPEN requests for the table
  - **Close** Number of successful CLOSE requests for the table
  - **Set Attr** Number of times new table status was set
  - **Delete** Number of times the table of that name was deleted
  - **Inquire** Number of inquire table requests

- **Record requests:**
  - **Point** Number of POINT requests
  - **Highest** Number of requests for current highest key
  - **Read** Number of READ requests (including those for UPDATE)
  - **Read Del** Number of combined READ and DELETE requests
  - **Unlock** Number of UNLOCK requests
  - **Loads** Number of records written by initial load requests
  - **Write** Number of WRITE requests for new records
  - **Rewrite** Number of REWRITE requests
  - **Delete** Number of DELETE requests
  - **Del Mult** Number of multiple (generic) delete requests

- **UOW requests:**
  - **Prepare** Number of units of work prepared
  - **Retain** Number of units of work whose locks were retained
  - **Commit** Number of units of work committed

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Chapter 1. DFH messages 145
DFHCF0343I

The number of recently accessed tables matching table is number.

Explanation: This gives the number of tables matching the specified name expression which were accessed via this coupling facility data table server within the current statistics interval. This is shown at the end of the response to a DISPLAY TABLESTATS=tablename command, following any DFHCF0341I messages for matching tables and a DFHCF0342I message if all tables were selected.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHFCFCN

DFHCF0351I Connection: Job jobname Applid applid Idle idletime

Explanation: This describes a single connection from a CICS region to the coupling facility data table server, in response to the server command DISPLAY CONNECTIONS or PRINT CONNECTIONS. The information shows the job name, the generic APPLID and the time in hours, minutes and seconds since the most recent table request or inquire call was issued using the connection.

System Action: A message in this form is issued for each active connection to the current server, then message DFHCF0352I is issued to show the total number of active connections.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHFCFCN

DFHCF0352I Total connections to this server: connections.

Explanation: This describes the total number of active connections from CICS regions to the coupling facility data table server, in response to the server command DISPLAY CONNECTIONS or PRINT CONNECTIONS.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHFCFCN

DFHCF0361I Table names: table1 table2 table3 table4 table5

Explanation: This message lists up to five table names in response to the coupling facility data table server command DISPLAY TABLES or PRINT TABLES.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFIQ

DFHCF0362I The total number of tables in the pool is tables.

Explanation: This describes the total number of tables within the pool, in response to the coupling facility data table server command DISPLAY (or PRINT) TABLES or TABLEUSERS.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFIQ

DFHCF0363I Details for table table:

Explanation: This message shows table details in response to the coupling facility data table server command DISPLAY TABLE=tablename or PRINT TABLE=tablename.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Attributes:</th>
<th>Recsize</th>
<th>Keylength</th>
<th>Max recs</th>
<th>Upd Model</th>
<th>Init Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status:</td>
<td>Available</td>
<td>Open mode</td>
<td>Access</td>
<td>Sharing</td>
<td>Loaded</td>
</tr>
<tr>
<td></td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Statistics:</td>
<td>Users</td>
<td>Servers</td>
<td>Opens</td>
<td>Records</td>
<td></td>
</tr>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td></td>
</tr>
</tbody>
</table>

System Action: Processing continues.

User Response: The individual fields have the following meanings:

- **Attributes:**
  - **Recsize:** Record size specified when table was created.
  - **Keylength:** Key length specified when table was created.
  - **Max recs:** Indicates the current limit value if any which has been set on the number of records in the table, or 'NO' if there is no current limit value.
  - **Upd model:** Indicates the update model being used: 'CONT' or 'CONT+' for the contention model, 'LOCK' for the non-recoverable locking model or 'RECOV' for the recoverable locking model. For a contention model table where the maximum record size is 63 or less, this usually shows 'CONT+', which indicates that access has been further optimized by storing the record data in the coupling facility entry adjunct area, instead of using separate data elements.
  - **Init Load:** Indicates whether initial load was required: 'YES' or 'NO'.
Chapter 1. DFH messages

DFHCF0364 The number of tables in the pool matching *table* is *tables*.

| Explanation: This indicates the number of matching tables within the pool for which information was displayed in response to the coupling facility data table server command DISPLAY (or PRINT) TABLES=’name’ or TABLEUSERS=’name’ where the table name contained one or more wild card characters. |
| System Action: Processing continues. |
| User Response: None. |
| Note: This message cannot be changed with the message editing utility. |
| Destination: Console and SYSPRINT |
| Module: DFHCFIQ |

DFHCF0366 Table *table users*: region1 region2 region3 region4

| Explanation: This message lists the names (normally the CICS APPLIDs) of up to four regions which are currently using the named coupling facility data table, in response to the coupling facility data table server command DISPLAY (or PRINT) TABLEUSERS. A region is considered to be using a table if it has one or more files open for the table, or if it has one or more unresolved units of work which have made recoverable updates to the table. |
| System Action: This message is issued as many times as is necessary to list all regions which are currently using the table (sorted by name). If one of the regions was in the process of loading the table, message DFHCF0367I is issued to identify that region. Finally, message DFHCF0368I is issued to show the total number of users. |
| User Response: None. |
| Note: This message cannot be changed with the message editing utility. |
| Destination: Console and SYSPRINT |
| Module: DFHCFIQ |

DFHCF0367 Table *table* is being loaded by region *region*.

| Explanation: If a table specified on the coupling facility data table server command DISPLAY (or PRINT) TABLEUSERS is currently open for loading, this message is issued to identify the name (normally the CICS APPLID) of the region which is loading it. This name also appears in the list of regions using the table. |
| System Action: Processing continues. |
| User Response: None. |
| Note: This message cannot be changed with the message editing utility. |
| Destination: Console and SYSPRINT |
| Module: DFHCFIQ |

DFHCF0368 The number of regions using table *table* is *users*.

| Explanation: This indicates the total number of regions which are currently using the table specified on the coupling facility data table server command DISPLAY (or PRINT) TABLEUSERS. |
| System Action: Processing continues. |
| User Response: None. |
| Note: This message cannot be changed with the message editing utility. |
| Destination: Console and SYSPRINT |
| Module: DFHCFIQ |
DFHCF0371I

**Module:** DFHCFIQ

**Explanation:** The specified table was successfully deleted in response to a coupling facility data table server `DELETE TABLE=table` command.

**System Action:** Processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFOC

**DFHCF0371I Table table has now been deleted.**

**Explanation:** The table specified on a coupling facility data table server `DELETE TABLE=table` command was not found in the pool.

**System Action:** The command is ignored.

**User Response:** Ensure that the correct table name was entered correctly, and that the command was addressed to the correct pool server.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFOC

**DFHCF0371I Table table was not found.**

**Explanation:** The table specified on a coupling facility data table server `DELETE TABLE=table` command is currently open for access, so it cannot be deleted.

**System Action:** The command is ignored.

**User Response:** Check that the correct table name was entered.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFOC

**DFHCF0371I Table table cannot be deleted because it is in use.**

**Explanation:** The table specified on a coupling facility data table server `DELETE TABLE=table` command is currently open for access, so it cannot be deleted.

**System Action:** The command is ignored.

**User Response:** Check that the correct table name was entered.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFOC

**DFHCF0374I Table table could not be deleted, CF access error.**

**Explanation:** During processing of a coupling facility data table server `DELETE TABLE=table` command, an unexpected error response was received. This message is preceded by message DFHCFO441 giving the details of the coupling facility access error.

**System Action:** The command is ignored.

**User Response:** Check the system log for a preceding DFHCFO441 message and see the explanation of that message.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFOC

**DFHCF0371I APPLID applid is connected on system.**

**Explanation:** This message is issued in response to a successful coupling facility data table server `DISPLAY APPLID` command.

**System Action:** Processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFOC

**DFHCF0371I APPLID applid is not currently connected.**

**Explanation:** This message is issued in response to a coupling facility data table server `DISPLAY APPLID` command for a single APPLID when the given APPLID does not match any active recoverable connection.

**System Action:** Processing continues.

**User Response:** Check that the correct APPLID was entered.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFOC

**DFHCF0381I APPLID applid is total connections: applids.**

**Explanation:** This message is issued at the end of the responses to a coupling facility data table server `DISPLAY APPLIDs` command to summarize the total number of connections listed.

**System Action:** Processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFOC

**DFHCF0384I APPLID applid UOW status: indoubts in doubt, commits in commit, backouts in backout, active on system**

**Explanation:** This message is issued in response to a coupling facility data table server `DISPLAY UOWID` command where the APPLID identifies a CICS region that has an active recoverable connection to the pool on the indicated MVS system. If UOWID details were requested, this message follows the details for the individual units of work. The `indoubts` count represents units of works which have been prepared for commit but have not yet been scheduled to be committed or backed out. The `commits` count represents units of work for which commit processing is in progress. The `backouts` count represents units of work for which backout processing is in progress.

**System Action:** Processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT
Chapter 1. DFH messages

DFHCF0385I APPLID applid UOW status: indoubts in doubt, commits in commit, backouts in backout, not active

Explanation: This message is issued in response to a coupling facility data table server DISPLAY UOWID command for an APPLID which identifies a CICS region that previously established a recoverable connection to the pool and has recoverable work pending, but is not currently connected to the pool. If UOWID details were requested, this message follows the details for the individual units of work. The indoubts count represents units of work which have been prepared for commit but have not been scheduled to be committed nor backed out. These will normally be resolved by resynchronization processing when the connection is restarted. The commits count represents units of work for which commit processing has been started, and will be completed when the connection is restarted. The backouts count represents units of work for which backout processing has been started, and will be completed when the connection is restarted.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0386I UOWID applid.uowid is in doubt.

Explanation: This message is issued in response to a coupling facility data table server DISPLAY UOWID command. The unit of work has been prepared for commit, but has not been committed nor backed out. If the APPLID is currently inactive, the backout process will be completed the next time it is restarted.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0387I UOWID applid.uowid is being committed.

Explanation: This message is issued in response to a coupling facility data table server DISPLAY UOWID command. The unit of work has started the commit process. If the APPLID is currently inactive, the commit process will be completed the next time it is restarted.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0388I UOWID applid.uowid is being backed out.

Explanation: This message is issued in response to a coupling facility data table server DISPLAY UOWID command. The unit of work has started to be backed out. If the APPLID is currently inactive, the backout process will be completed the next time it is restarted.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0389I UOWID applid.uowid was not found.

Explanation: This message is issued in response to a coupling facility data table server DISPLAY UOWID command.

System Action: Processing continues.

User Response: Check that the correct UOWID was entered.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0390I UOWID applid.uowid total matching entries: uowids

Explanation: This message is issued at the end of the responses to a coupling facility data table server DISPLAY UOWIDs command to summarize the total number of units of work listed.

The total is zero if no matching units of work were found.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0391I APPLID applid does not have any unresolved units of work.

Explanation: This message is issued in response to a coupling facility data table server SET command which attempted to modify the recovery status for the given APPLID. There are no unresolved units of work in the pool which match the given APPLID.

System Action: The requested function is ignored.

User Response: Check that the correct APPLID was entered.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP
DFHCF0392

<table>
<thead>
<tr>
<th>DFHCF0392</th>
<th>APPLID applid recovery status cannot be modified while it is connected.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This message is issued in response to a coupling facility data table server <strong>SET</strong> command which attempted to modify recovery status for the given APPLID. This is not possible if the APPLID is already connected to the pool, on this server or another server.</td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>The requested function is ignored.</td>
</tr>
<tr>
<td><strong>User Response:</strong></td>
<td>Check whether the correct APPLID was entered.</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>This message cannot be changed with the message editing utility.</td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>Console and SYSPRINT</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFHCFSF</td>
</tr>
</tbody>
</table>

DFHCF0393

<table>
<thead>
<tr>
<th>DFHCF0393</th>
<th>APPLID applid recovery status cannot be modified because connection restart failed with reason code reason.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This message is issued in response to a coupling facility data table server <strong>SET</strong> command which attempted to modify recovery status for the given APPLID. The attempt failed because the server was unable to establish a recoverable connection on behalf of that APPLID. The reason code from the failing internal FCCU RESTART function is included.</td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>The requested function is ignored.</td>
</tr>
<tr>
<td><strong>User Response:</strong></td>
<td>See the server trace file and job log for further details about the failure.</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>This message cannot be changed with the message editing utility.</td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>Console and SYSPRINT</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFHCFSF</td>
</tr>
</tbody>
</table>

DFHCF0394

<table>
<thead>
<tr>
<th>DFHCF0394</th>
<th>UOWID uowid is not in doubt.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This message is issued in response to a coupling facility data table server <strong>SET</strong> command which attempted to modify the recovery status of a specific unit of work. The APPLID had one or more unresolved units of work and was successfully restarted, but the UOWID did not match any in-doubt unit of work owned by that APPLID after restart completed. Note that if the unit of work was previously in the process of being committed or backed out, restart processing will have resolved it.</td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>The requested function is ignored. A further message will appear indicating whether any units of work remain unresolved after the successful restart.</td>
</tr>
<tr>
<td><strong>User Response:</strong></td>
<td>Check that the correct APPLID and UOWID were entered.</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>This message cannot be changed with the message editing utility.</td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>Console and SYSPRINT</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFHCFSF</td>
</tr>
</tbody>
</table>

DFHCF0395

<table>
<thead>
<tr>
<th>DFHCF0395</th>
<th>APPLID applid now has no unresolved units of work.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This message is issued in response to a successful coupling facility data table server <strong>SET</strong> command to perform restart processing. All units of work associated with the APPLID were resolved by restart processing (which means that they must have been in commit or backout processing).</td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>Processing continues.</td>
</tr>
<tr>
<td><strong>User Response:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>This message cannot be changed with the message editing utility.</td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>Console and SYSPRINT</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFHCFSF</td>
</tr>
</tbody>
</table>

DFHCF0396

<table>
<thead>
<tr>
<th>DFHCF0396</th>
<th>APPLID applid units of work remaining in doubt: indoubts.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This message is issued in response to a successful coupling facility data table server <strong>SET</strong> command to perform restart processing. One or more units of work remain in doubt.</td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>Processing continues.</td>
</tr>
<tr>
<td><strong>User Response:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>This message cannot be changed with the message editing utility.</td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>Console and SYSPRINT</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFHCFSF</td>
</tr>
</tbody>
</table>

DFHCF0397

<table>
<thead>
<tr>
<th>DFHCF0397</th>
<th>APPLID applid units of work now committed: commits.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This message is issued in response to a successful coupling facility data table server <strong>SET</strong> command which committed one or more units of work.</td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>Processing continues.</td>
</tr>
<tr>
<td><strong>User Response:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>This message cannot be changed with the message editing utility.</td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>Console and SYSPRINT</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFHCFSF</td>
</tr>
</tbody>
</table>

DFHCF0398

<table>
<thead>
<tr>
<th>DFHCF0398</th>
<th>APPLID applid units of work now backed out: backouts.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>This message is issued in response to a successful coupling facility data table server <strong>SET</strong> command which backed out one or more units of work.</td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>Processing continues.</td>
</tr>
<tr>
<td><strong>User Response:</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>This message cannot be changed with the message editing utility.</td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>Console and SYSPRINT</td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFHCFSF</td>
</tr>
</tbody>
</table>
DFHCF0399 UOWID applid.uowid syncpoint failed, reason code reason.

Explanation: This message is issued in response to a coupling facility data table server SET command which attempted to commit or backout the given UOWID but failed. The reason code from the failing internal FCCU COMMIT or BACKOUT function is included.

System Action: The requested function is ignored.

User Response: See the server trace file and job log for further details about the failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0401I Connected to CF structure strname.

Explanation: The coupling facility data table server has successfully established a connection to the coupling facility list structure for the table pool, using the IXLCONN macro.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0402I CF structure strname was allocated by this connection.

Explanation: The coupling facility data table pool list structure did not previously exist and was allocated as part of the connection process.

System Action: List structure initialization will be performed if necessary.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0403 Connection to CF structure strname failed, IXLCONN return code retcode, reason code rsncode.

Explanation: The IXLCONN macro to connect the coupling facility data table server to its pool list structure failed.

System Action: The coupling facility data table server is terminated.

User Response: See the documentation of the IXLCONN macro in OS/390 MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code. If the reason code is of the form xxxx0C08, indicating structure allocation failure, this message will be followed by message DFHCF0409 giving the facility reason code for each coupling facility in which allocation was attempted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0404 CF structure strname cannot be used because it has been allocated with attribute attribute.

Explanation: The coupling facility data table server has successfully connected to its pool list structure but has found that the structure has been allocated using an IXLCONN structure attribute keyword which is not supported by the server.

System Action: The server is terminated.

User Response: Correct the attribute keyword.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0405 CF structure strname element size elemsize is incorrect. It should be a power of 2 in the range 256 to 4096.

Explanation: The list structure element size specified in the ELEMSIZE initialization parameter for the coupling facility data table server is not a power of two, or is outside the range supported by the coupling facility interface.

System Action: The server is terminated (without attempting to connect to the list structure).

User Response: Correct the ELEMSIZE parameter and restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0406 Initialization failed for CF structure strname with response response.

Explanation: Coupling facility data table server processing to initialize the pool list structure failed with an abnormal internal response code.

System Action: The server is terminated.

User Response: If the response code is 8 (I/O error), it indicates that an IXLLIST macro gave an abnormal return code, in which case a previous DFHCF0441 message will have been issued giving the IXLLIST return code and reason code. If this response code is any other value, this indicates that the list structure is in a state which should not occur, probably indicating that it was allocated or modified by a program other than the coupling facility data table server. In this case the structure may need to be deleted (using the MVS SETXCF FORCE command) so that it will be reallocated when the server is restarted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF
DFHCF0407 CF structure strname is not available for shared use.

**Explanation:** The coupling facility data table pool is currently locked for exclusive use by some other job such as a pool unload or reload job. (This serialization uses an MVS ENQ with scope SYSTEMS, major name 'SYSZDFH' and minor name equal to the structure name, 'DFHCFLS_poolname').

**System Action:** The server is terminated.

**User Response:** Check whether a pool maintenance job is currently running. If it is, wait until it has finished before trying to start the server again. You can find out what jobs are currently using the pool using this MVS command:

```
DISPLAY GRS, RES=(SYSZDFH, 'DFHCFLS_poolname')
```

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

---

DFHCF0408 CF structure strname is not available for exclusive use.

**Explanation:** The current coupling facility data table unload or reload job requires exclusive use of the pool, but some other job is running which already has shared or exclusive use of the pool. (This serialization uses an MVS ENQ with scope SYSTEMS, major name 'SYSZDFH' and minor name equal to the structure name, 'DFHCFLS_poolname').

**System Action:** The server is terminated.

**User Response:** Check whether a coupling facility data table server or maintenance job is currently running. If it is, wait until it has finished before trying to run the current job again. You can find out what jobs are currently using the pool using this MVS command:

```
DISPLAY GRS, RES=(SYSZDFH, 'DFHCFLS_poolname')
```

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

---

DFHCF0409 CF structure strname could not be allocated in facility chname, reason code rsncode.

**Explanation:** If a previous coupling facility data table server message DFHCF0403 indicated an IXLCONN failure because the structure could not be allocated, this message is issued for each coupling facility in which allocation was attempted to show the facility reason code indicating why structure allocation failed. If the reason code is known to the server, the name of the reason code is given (as defined in the MVS macro IXLYCONA, but without the 'ConaRsn' prefix), otherwise its decimal value is shown.

If the response indicates InvalidStructureSize, this means that the initial list structure size (specified on the server POOLSIZE parameter or in the CFRM policy INITIALIZE parameter) is not large enough to contain the required structure control information. The size of the control information is affected by the number of list headers (determined by the server MAXTABLES parameter) and by the maximum structure size specified in the CFRM policy.

**System Action:** The server is terminated.

**User Response:** If further details are required, see the descriptions of the reason codes in the source of the MVS macro IXLYCONA which maps the connect answer area.

If the response was InvalidStructureSize, increase the initial structure size specification in the server POOLSIZE parameter or the CFRM policy INITIALIZE parameter to ensure that there is enough space for data in addition to the structure control information. Also, check that the server MAXTABLES parameter and the maximum structure size specified in the CFRM policy are not unnecessarily large. See the CICS System Definition Guide for more information on how to estimate pool sizes.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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DFHCF0410 CF structure strname cannot be used, coupling facility maintenance level is too low.

**Explanation:** Initialization test routines executed against the allocated list structure gave incorrect results, indicating that the coupling facility control code does not include all maintenance necessary to support coupling facility data tables.

**System Action:** The server is terminated.

**User Response:** Ensure that the required level of coupling facility maintenance is applied.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** console and SYSPRINT

**Module:** DFHCFCF

---

DFHCF0411 CF structure strname now has percentage% of entries in use.

**Explanation:** This message is issued by the coupling facility data table server when the percentage of list entries in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after a structure alter request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio. The percentage is calculated using information that is returned by successful coupling facility access requests, so if the message was triggered by structure alter completion and the current server has not processed any successful requests recently, the information may not be accurate.

**System Action:** The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing. If the structure usage is increasing and the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User Response:** Note that the structure may soon become full, preventing tables from being created. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately.

**Note:** This message cannot be changed with the message editing utility.
**DFHCF0412I CF structure strname now has percentage% of elements in use.**

**Explanation:** This message is issued by the coupling facility data table server when the percentage of list data elements in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after a structure alter request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio. The percentage is calculated using information that is returned by successful coupling facility access requests, so if the message was triggered by structure alter completion and the current server has not processed any successful requests recently, the information may not be accurate.

**System Action:** The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing. If the structure usage is increasing and the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User Response:** Note that the structure may soon become full, preventing tables from being created. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be altered dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHCF0414I Alter request successfully started for CF structure strname.**

**Explanation:** The coupling facility data table server has successfully started a structure alter request to change the entry to element ratio for the list structure.

**System Action:** The server event exit will be notified by MVS when the structure alter request completes and a further message will then be issued.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHCF0415I Alter request rejected for CF structure strname, another alter request for this structure is already active.**

**Explanation:** The coupling facility data table server attempted to start a structure alter request using IXLALTER to change the entry to element ratio for the list structure, but this was rejected by the system because another structure alter request was already active.

**System Action:** The server event exit will be notified by MVS when the structure alter request completes and a further message will then be issued.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHCF0416 Alter request failed for CF structure strname, IXLALTER return code retcode, reason code rsncode.**

**Explanation:** The coupling facility data table server attempted to start a structure alter request to change the entry to element ratio for the list structure, but this was rejected by the system with an unexpected return code.

**System Action:** The current structure alter attempt is abandoned. Another attempt may be made when the minimum alter interval has expired.

**User Response:** See the documentation of the IXLALTER macro in OS/390 MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHCF0417I Alter request completed normally for CF structure strname.**

**Explanation:** The coupling facility data table server has been notified by the system that a structure alter request has completed normally.

**System Action:** New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHCF0411 and DFHCF0412 to indicate the new usage percentages.
DFHCF0418I

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0418I Alter request ended abnormally for CF structure strname with status status.

Explanation: The coupling facility data table server has been notified by the system that a structure alter request has ended abnormally. The two bytes of status information in this message are taken from EEPLALTERENDSTATEFLAGS in the event exit parameter list (defined in the MVS macro IXLYEELP).

System Action: No action is taken as a result of this notification, but any problem which caused the alter request to fail may result in other related problems.

User Response: If further information is required, look for MVS messages on the system log indicating the reason for the structure alter request failure. For further information about the status flags, see the source of the MVS macro IXLYEELP.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0419I Alter request ended normally for CF structure strname but target was not attained.

Explanation: The coupling facility data table server has been notified by the system that a structure alter request has ended normally but that the target ratio or target size was not attained.

System Action: New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHCF0411 and DFHCF0412 to indicate the new usage percentages.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0424 Connectivity has been lost to CF structure strname. The CF data table server cannot continue.

Explanation: The coupling facility data table server has been notified by the system that connectivity has been lost to the coupling facility containing the pool list structure.

System Action: The server issues an internal CANCEL command to terminate itself immediately.

User Response: Restart the server when connectivity to the coupling facility from the current system has been reestablished. If connectivity is still available from other systems, CICS transactions which require access to the affected pool should be diverted to those systems if possible.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0425 CF structure strname has failed. The CF data table server cannot continue.

Explanation: The coupling facility data table server has been notified by the system that the pool list structure has been lost due to coupling facility structure failure. All tables and data records in the pool have been lost.

System Action: Each server for the affected pool issues an internal CANCEL command to terminate itself immediately.

User Response: If another coupling facility is available and is included in the CFRM preference list for the failed structure, restart the servers to cause a fresh copy of the list structure to be allocated on the alternate coupling facility. If no other coupling facility is available, wait until the original coupling facility has been made available again before restarting the servers.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0431I Access statistics for CF structure strname:

Explanation: This message gives a summary of coupling facility access statistics. It is issued in response to a coupling facility data table server DISPLAY or PRINT command which includes the CFSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

Requests: Reads Writes Rewrites Deletes
Table data records n n n n
Data list controls n n n n
Table index list n n n n
UOW index list n n n n
APPLID index list n n n n
Lock release msgs n n
Responses: Asynch Normal Len err Not fnd Vers chk
 n n n n n
 List chk List full Str full I/O err
 n n n n n
System Action: Processing continues.

User Response: The statistics are described in detail in the DFHCFCS6D data area. The individual fields have the following meanings:

- Table data record request counts:
  - Reads Number of data entry reads.
  - Writes Number of data entry writes.
  - Rewrites Number of data entry rewrites.
  - Deletes Number of data entry deletes.

- Data list controls request counts:
  - Reads Number of reads to check list usage (open or inquire).
  - Writes Number of times a new data list was allocated.
  - Rewrites Number of times data list controls were modified.
  - Deletes Number of times a data list was deleted for reuse.

- Table index list request counts:
  - Reads Number of table index reads.
  - Writes Number of table index writes to create new tables.
  - Rewrites Number of table index writes to update table status.
DFHCF0432I Table pool statistics for CF structure stname:

**Explanation:** This message gives a summary of the usage statistics for the table pool list structure. It is issued in response to a coupling facility data table server DISPLAY or PRINT command which includes the POOLSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

- **Structure:**
  - Size: Current allocated size of the list structure.
  - Max size: Maximum size to which this structure could be altered.
  - Elem size: Data element size used for the structure.
- **Tables:**
  - Current: Number of tables currently in existence.
  - Highest: Highest number of tables at any time (since last reset).
- **Lists:**
  - Total: Maximum number of list headers in the structure.
  - In Use: Number currently in use.
  - Max Used: Maximum number in use (since last reset).
- **Entries:**
  - Total: Total entries in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).
  - In Use: Number of entries currently in use.
  - Max Used: Maximum number in use (since last reset).
  - Free: Number of entries currently free (total minus used).
  - Min Free: Minimum number of free entries (since last reset).
  - Reserve: Number of entries reserved for rewrites and server use.
- **Elements:**
  - Total: Total data elements in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).
  - In Use: Number of elements currently in use.
  - Max Used: Maximum number in use (since last reset).
  - Free: Number of elements currently free (total minus used).
  - Min Free: Minimum number of free elements (since last reset).
  - Reserve: Number of elements reserved for rewrites and server use.

**System Action:** Processing continues.

**User Response:** The statistics are described in detail in the DFHCFS6D data area. Pool usage statistics are calculated from information returned by recent coupling facility requests, and are not always very accurate, especially if the relevant information has not been accessed recently by the current server. The number of tables and the number of lists are updated each time the server opens or closes a table, but are not reliably updated at other times. The element and entry counts are updated on successful completion of most types of coupling facility access request.

The individual fields have the following meanings:

- **Structure:**
  - Size: Current allocated size of the list structure.
  - Max size: Maximum size to which this structure could be altered.
  - Elem size: Data element size used for the structure.
- **Tables:**
  - Current: Number of tables currently in existence.
  - Highest: Highest number of tables at any time (since last reset).
- **Lists:**
  - Total: Maximum number of list headers in the structure.
  - In Use: Number currently in use.
  - Max Used: Maximum number in use (since last reset).
  - Data: Number of lists in use for control information.
  - Control: Number of lists in use for control information.
  - Data: Number of lists in use for table data.
- **Entries:**
  - Total: Total entries in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).
  - In Use: Number of entries currently in use.
  - Max Used: Maximum number in use (since last reset).
  - Free: Number of entries currently free (total minus used).
  - Min Free: Minimum number of free entries (since last reset).
  - Reserve: Number of entries reserved for rewrites and server use.
- **Elements:**
  - Total: Total data elements in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).
  - In Use: Number of elements currently in use.
  - Max Used: Maximum number in use (since last reset).
  - Free: Number of elements currently free (total minus used).
  - Min Free: Minimum number of free elements (since last reset).
  - Reserve: Number of elements reserved for rewrites and server use.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF
**DFHCF0441 CF structure strname request failed, IXLLIST return code retnode, reason code rsncode.**

**Explanation:** A coupling facility access request issued by the coupling facility data table server using the IXLLIST macro gave an abnormal return code.

**System Action:** The failing request is given an I/O error indication, giving an IOERR condition if it originated from a CICS API request.

**User Response:** See the documentation of the IXLLIST macro in OS/390 MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHCF0442 CF structure strname request failed, structure is full.**

**Explanation:** A coupling facility access request issued by the coupling facility data table server using the IXLLIST macro failed because there are insufficient free entries or elements to store the new data in the structure.

**System Action:** The failing request is given a NOSPACE indication if it originated from a CICS API request. For reload processing, if an automatic structure alter is in progress, the request may be suspended until the outcome of the alter request is known, then retried. This message will not be issued again for further failures until the used numbers of elements and entries fall below the warning threshold.

**User Response:** Any tables which are no longer in use should be deleted so that the space can be reused. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately. However, if this action is possible it should normally have been taken in response to earlier warning messages before the structure became full.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHCF0443 CF structure strname request failed, all lists are in use.**

**Explanation:** A coupling facility access request issued by the coupling facility data table server using the IXLLIST macro failed because all list headers defined in the structure are now in use. The number of list headers is determined by the MAXTABLES server initialization parameter when the structure is allocated.

**System Action:** The failing request is given a NOSPACE indication if it originated from a CICS API request. This message will not be issued again for further failures while the shortage of list entries remains.

**User Response:** Any tables which are no longer in use should be deleted to free up data lists. As the number of lists is fixed when the structure is allocated, the only way to increase the number of lists is to unload the structure, use the MVS SETXCF FORCE,STR command to delete it then reload it with a larger MAXTABLES parameter.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHCF0444 CF request has been suspended to await structure alter completion.**

**Explanation:** A coupling facility access request issued from the coupling facility data table server address space (during reload processing) ran out of space in the list structure, but an automatic structure alter attempt to free up more space is either already active or is being started at this point. The request is therefore being suspended to await the outcome of the structure alter attempt.

**System Action:** The request is suspended until the structure alter request completes (normally or abnormally), then message DFHCF0445I is issued and the request is retried.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHCF0445I CF request is being retried after structure alter completion.**

**Explanation:** A coupling facility data table access request which was suspended to await the completion of a structure alter request is now being retried because the alter request has either completed or failed.

**System Action:** The suspended request will be restarted.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHCF0446 CF structure strname free space is below reserve level. New records will be rejected.**

**Explanation:** The coupling facility data table server has detected that the number of free list entries or data elements in the pool structure has fallen below the reserve levels specified on the server parameters ENTRYRESERVEMIN, ENTRYRESERVEPC, ELEMENTRESERVEMIN and ELEMENTRESERVEPC.

**System Action:** Any request to create a new record or table in the pool will be rejected for as long as the amount of free space remains below the reserve levels. The failing request is given a NOSPACE indication if it originated from a CICS API request. If free space later increases beyond the reserve levels, requests will be allowed again, and when the amount of free space exceeds the reserve levels by a reasonable margin (based on the server ENTRYWARNING and ELEMENTWARNING parameters) message DFHCF0447 will be issued.

**User Response:** Use the server command DISPLAY POOLSTATS to obtain further information about the current pool usage. Any tables which are no longer in use should be deleted so that the space can be reused. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option,
and any active servers will be able to use the increased space immediately. However, if this action is possible it should normally have been taken in response to earlier warning messages.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHC0447 CF structure strname free space is no longer below reserve level.**

**Explanation:** The coupling facility data table server issues this message after a recent shortage of free space caused message DFHC0446 to be issued but the free space has now increased to beyond the reserve levels by a reasonable margin (based on the server ENTRYWARNINC and ELEMENTWARNINC parameters).

**System Action:** Processing continues.

**User Response:** Use the server command DISPLAY POOLSTATS to obtain further information about the current pool usage. Note that even if this message is produced, the structure may still be very short of space and further action may be necessary, as described for message DFHC0446.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHC0451 Purge for CF structure strname failed, IXLPURGE return code retcode, reason code rsncode.**

**Explanation:** A coupling facility data table access request was terminated abnormally and the server issued an IXLPURGE macro to ensure any active IXLIST request was purged before releasing the I/O buffer, but the IXLPURGE macro gave a non-zero return code.

**System Action:** The error is ignored because this only occurs when a request is already being terminated abnormally.

**User Response:** See the documentation of the IXLPURGE macro in OS/390 MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHC0461I Disconnected from CF structure strname.**

**Explanation:** The coupling facility data table server has successfully disconnected from the pool list structure (using the IXLDISC macro) during termination.

**System Action:** Processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHC0462 Disconnect from CF structure strname failed, IXLDISC return code retcode, reason code rsncode.**

**Explanation:** The IXLDISC macro to disconnect the coupling facility data table server from its pool list structure failed.

**System Action:** The error is ignored, as disconnection only occurs when the server is already terminating.

**User Response:** See the documentation of the IXLDISC macro in OS/390 MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHC0471 CF structure strname already has the maximum of maxconn servers active.**

**Explanation:** An attempt was made to connect an additional coupling facility data table server to a pool list structure which already has the maximum number of active connections supported by the current version of the server. The coupling facility accepted the connection, but the server does not support this number of simultaneous connections to the pool, so the connection could not be used.

The server has been designed to support a fixed maximum number of connections per pool, which is the same as the maximum number of connections to a list structure supported by current coupling facility implementations, and the maximum number of systems in a sysplex. This means that if this message occurs, a level of coupling facility must be in use which supports more connections, and one or more of those connections must be in use by a program other than the coupling facility data table server, as the server only supports one connection per system within a sysplex.

**System Action:** The server is terminated.

**User Response:** Ensure that no programs other than the data table server are connected to the list structure.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHCFCF

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**DFHC0501 External security manager was not found, table security cannot be supported.**

**Explanation:** Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, ensure that the external security manager is installed and active before starting the server.

**System Action:** The server is terminated.

**User Response:** If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT
DFHCF0502 External security manager is inactive, table security cannot be supported.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager does not support the GLOBAL option for loading security profiles (known as global RACTIONLIST), which is required in order to support cross-memory mode security checking.

System Action: The server is terminated.

User Response: If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. Table security checks are required, ensure that the external security manager is installed and active before starting the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFXS

DFHCF0503 External security manager does not support global in-storage profiles, table security cannot be supported.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager does not support the GLOBAL option for loading security profiles (known as global RACTIONLIST), which is required in order to support cross-memory mode security checking.

System Action: The server is terminated.

User Response: If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, it will be necessary to upgrade the external security manager to a level which supports global in-storage profiles.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFXS

DFHCF0504 External security manager does not support cross-memory mode, table security cannot be supported.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager does not support authorization (FASTAUTH) requests in cross-memory mode, which are required in order to perform table security checks.

System Action: The server is terminated.

User Response: If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, it will be necessary to upgrade the external security manager to a level which supports cross-memory mode authorization requests.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFXS

DFHCF0505 RACROUTE REQUEST=EXTRACT gave R15=rc, SAFPRRET=retcode, SAFPRREA=rscnode.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager EXTRACT function used to obtain the userid during server initialization gave an unexpected non-zero return code. This message shows the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

System Action: The server is terminated.

User Response: See the documentation of the RACROUTE macro with REQUEST=EXTRACT in OS/390 Security Server External Security Interface (RACROUTE) Macro Reference (GC28-1922) for the explanation of the return and reason codes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFXS

DFHCF0506 Security EXTRACT function failed, table security cannot be supported.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager EXTRACT function issued to obtain the userid during server initialization gave an unexpected return code.

System Action: The server is terminated.

User Response: See the preceding message DFHCF0505 for the details of the reason for the failure. If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFXS

DFHCF0507 RACROUTE REQUEST=LIST, ENVIR=CREATE, CLASS=class', GLOBAL=YES gave R15=rc, SAFPRRET=retcode, SAFPRREA=rscnode.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager LIST function to load the security profiles during server initialization gave an unexpected non-zero return code. This message shows the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

System Action: The server is terminated.

User Response: See the documentation of the RACROUTE macro with REQUEST=LIST in OS/390 Security Server External Security Interface (RACROUTE) Macro Reference (GC28-1922) for the explanation of the return and reason codes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFXS
DFHCFXS Security LIST function failed, table security cannot be supported.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager LIST function issued to load the security profiles during server initialization gave an unexpected return code.

System Action: The server is terminated.

User Response: See the preceding message DFHCF0507 for the details of the reason for the failure. If these security checks are not required, specify SECURITY=NO in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFXS

DFHCF0511 Attempt to open table table was rejected because the external security manager is not available.

Explanation: The coupling facility data table server was attempting to perform a security check for whether the connected region was allowed to open that data table, but the external security manager was unexpectedly unavailable, even though it had been available at server initialization time.

System Action: The table open request is rejected.

User Response: Note that no further table open requests will succeed unless the external security manager is reactivated.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFXS

DFHCF0512 RACROUTE REQUEST=FASTAUTH for resource resource gave R15=rc, SAFPRRET=retcode, SAFPRREA=rncode.

Explanation: A coupling facility data table OPEN, SET or DELETE security check gave a non-zero return code. This message indicates the resource name used for the check, the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

System Action: Access to the table is rejected with message DFHCF0513.

User Response: See the documentation of the RACROUTE macro with REQUEST=FASTAUTH in OS/390 Security Server External Security Interface (RACROUTE) Macro Reference (GC28-1922) for the explanation of the return and reason codes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFXS

DFHCF0513 Attempt to open table table was rejected by the external security manager.

Explanation: A security check was performed by the coupling facility data table server to determine whether the connected region was allowed to open the named table, and the external security manager indicated that access was not allowed.

System Action: The table open request is rejected.

User Response: See the preceding message DFHCF0512 for the specific reason that access was rejected. Check that the correct table name was specified. Ensure that the client region is authorized to access the resource matching the table name (prefixed by the server region userid if SECPRFX=YES was specified) in the CICS file resource class (usually 'FCICSFCT').

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFXS

DFHCF0521 RACROUTE REQUEST=LIST, ENVIR=DELETE, CLASS='class' gave R15=rc, SAFPRRET=retcode, SAFPRREA=rncode.

Explanation: The external security manager LIST function to unload the in-storage security profiles during coupling facility data table server termination gave an unexpected non-zero return code. This message shows the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

System Action: Server termination processing continues.

User Response: See the documentation of the RACROUTE macro with REQUEST=LIST in OS/390 Security Server External Security Interface (RACROUTE) Macro Reference (GC28-1922) for the explanation of the return and reason codes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFXS

DFHCF0601I Starting statistics collection for interval since lasttime.

Explanation: The coupling facility data table server is about to collect interval, end of day or closedown statistics. This message identifies the start of the time interval to which the statistics apply, which is either the time that the server was started up or the time of the last reset, which occurs whenever interval or end of day statistics are produced.

System Action: The server proceeds with statistics collection.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHCFST
DFHCF0602I

DFHCF0602I Statistics collection completed, reset performed.
Explanation: Coupling facility data table server statistics have been collected and counters have been reset. This occurs for interval or end of day statistics.
System Action: Processing continues.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCFS

DFHCF0603I Statistics collection completed.
Explanation: Coupling facility data table server statistics have been collected but counters have not been reset. This normally occurs at server closedown.
System Action: Processing continues.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCFS

DFHCF0604 Timer SET failed, return code retcode, reason code rsncode.
Explanation: The statistics subtask in the coupling facility data table server tried to set up a timer wait interval but failed.
System Action: The interval statistics function is terminated with message DFHCF0606.
User Response: Check the return code and reason code. A return code of 4 indicates an attempt to set up more than one concurrent timer interval, which indicates a logic error in the server. The reason code in this case is the MVS STIMER identifier for the existing timer interval. A return code of 8 indicates that the MVS STIMER macro failed, in which case the reason code indicates the return code received from STIMERM SET.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHCFS

DFHCF0605 Timer CANCEL failed, return code retcode, reason code rsncode.
Explanation: The statistics subtask in the coupling facility data table server tried to cancel a timer wait interval but failed.
System Action: The interval statistics function is terminated with message DFHCF0606.
User Response: Check the return code and reason code. A return code of 4 indicates an attempt to cancel a nonexistent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMER macro failed, in which case the reason code indicates the return code received from STIMERM CANCEL.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHCFS

DFHCF0606 Statistics collection function is no longer available.
Explanation: The statistics collection subtask in the coupling facility data table server was unable to continue processing and has terminated. The reason will have been indicated by an earlier message.
System Action: The interval statistics subtask terminates and no further interval statistics or end of day statistics will be produced for this run of the server.
User Response: See the earlier message indicating the reason for the termination of the subtask.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHCFS

DFHCF0610I Statistics written to SMF, return code was retcode.
Explanation: Coupling facility data table server statistics have been sent to SMF. The return code from the SMFEWTM macro is indicated in this message. A non-zero return code usually indicates that SMF recording was suppressed because of current SMF options or an installation exit.
System Action: Processing continues.
User Response: If the return code is non-zero but SMF statistics were expected to be successfully written, see the documentation of the SMFEWTM macro in OS/390 MVS System Management Facilities (SMF) (GC28-1783) for more information about return codes.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCFS

DFHCF0651 Restart processing cannot open table table, reason code reason.
Explanation: An application region has attempted to restart its connection to the coupling facility data table server, but an unresolved unit of work for that region has updated a table which cannot be opened at present, so restart processing cannot be completed. This message only occurs if the table is still in existence; if it has been deleted, the updates are simply discarded. The reason code is from the file open routine in module DFHCFOC, and indicates why the file could not be opened. In the current implementation, there are no user functions which could prevent a file from being opened by restart, so this condition should not be possible.
System Action: Restart processing is terminated and recoverable tables cannot be accessed until it is successfully retried.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHCFS

DFHCF0652 Pool state error, reason code reason, processing function request for UOWID uowid, task task, region region.

Explanation: Integrity checks during coupling facility data table server syncpoint or restart processing found that data or control information in the list structure was in a state that should not be possible in normal processing. The reason codes are based on the response codes returned by the internal coupling facility interface.

- Reason codes:
  2  Entry exceeds maximum data length.
  3  Entry not found.
  4  Wrong version.
  5  Wrong list authority.
  6  Limit number of entries in list reached.
  7  No space left in structure.

All of these conditions can also occur in normal processing. This message is only issued if the condition occurs in a case where it should not occur, or when the normal retry action following the condition cannot be performed. For example, a wrong version response from the coupling facility interface normally simply indicates that an entry has changed, causing the entry to be read again, and this is only treated as a pool state error if the data or control information in the changed entry is not consistent with the expected state of the record.

System Action: The current syncpoint or restart operation is terminated with a pool state error exception.

User Response: This indicates that some data in the pool has become inconsistent or corrupted. There is no known way that this can happen unless a program other than the coupling facility data table server is used to access the pool. If this error occurs for changes to a particular table, it may be necessary to delete the table to clear up the problem. If it occurs for other control information, it may be necessary to recreate the pool.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFS

DFHCF0701I CF data table pool poolname is to be unloaded.

Explanation: The coupling facility data table server program has been started with the UNLOAD option requesting that the table pool is unloaded to a sequential data set.

System Action: The server starts to process the unload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFUL

DFHCF0702I CF data table pool poolname has been successfully unloaded.

Explanation: The coupling facility data table pool has been unloaded successfully.

System Action: The server closes down normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFUL

DFHCF0703I Number of unloaded tables: tables. Blocks written: blocks.

Explanation: This message provides additional information about the results of the coupling facility data table pool unload process, giving the number of tables which were unloaded and the number of 4K data blocks written to the unloaded table pool data set.

System Action: Server termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFUL

DFHCF0704 DFSF data set for unload could not be opened.

Explanation: The data set to contain the unloaded coupling facility data table pool could not be opened.

System Action: Unload processing is terminated and the server is closed down with message DFHCF0706.

User Response: Check that the DFHCFUL DD statement is present in the JCL for the unload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFUL

DFHCF0705 Unload access to CF structure strname failed with response response.

Explanation: The coupling facility data table pool unload process failed because of a problem with coupling facility access.

System Action: Unload processing is terminated and the server is closed down with message DFHCF0706.

User Response: If the response code is 8, this indicates that an unexpected IXLIST error occurred, for which a previous message DFHCF0441 will have been issued. Any other response code indicates an internal logic error.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCFUL
DFHCF0706

DFHCF0706 Unload for CF data table pool poolname was unsuccessful.
Explanation: The coupling facility data table pool unload process failed. The reason will have been described in a previous message.
System Action: The server is terminated.
User Response: See the previous message giving the reason for the unload failure. Note that any unload data set produced in this case will be incomplete and will not be valid for reload purposes.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHCFUL

DFHCF0721 CF data table table has been successfully unloaded, records records.
Explanation: The named coupling facility data table has been unloaded. Note that if any recoverable updates were pending, the number of table entries unloaded may be slightly larger than the number of records, as the entry for the original record is retained until syncpoint in case it is needed for backout.
System Action: Unload processing continues.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCFUL

DFHCF0731 uowids units of work were unloaded for recoverable connection applid.
Explanation: One or more unresolved recoverable units of work were found for the specified recoverable connection identifier during coupling facility data table pool unload processing.
System Action: Unload processing will include the status of those units of work in the unloaded data, to allow them to be resolved after the pool is reloaded.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHCFUL

DFHCF0801I CF data table pool poolname is to be reloaded.
Explanation: The coupling facility data table server program has been started with the RELOAD option requesting that the table pool is to be reloaded from a sequential data set produced using the UNLOAD option.
System Action: The server starts to process the reload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHCFUL

DFHCF0802I CF data table pool poolname has been successfully reloaded.
Explanation: The coupling facility data table pool has been reloaded successfully.
System Action: The server closes down normally.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHCFRL

DFHCF0803I Tables reloaded: tables. Tables bypassed: duplicates. Blocks read: blocks.
Explanation: This message provides additional information about the results of the coupling facility data table pool reload process. Tables on the unloaded data set are bypassed during reload processing if they already exist in the pool (for example as a result of a previous reload which could not be completed due to lack of space).
System Action: Server termination processing continues.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHCFRL

DFHCF0804 DFHCFRL data set for reload could not be opened.
Explanation: The data set containing the coupling facility data table pool to be reloaded could not be opened.
System Action: Reload processing is terminated and the server is closed down with message DFHCF0808.
User Response: Check that the DFHCFRL DD statement is present in the JCL for the reload job.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHCFRL

DFHCF0805I Reload access to CF structure strname failed with response response.
Explanation: The coupling facility data table pool reload process failed because of a problem with coupling facility access.
System Action: Reload processing is terminated and the server is closed down with message DFHCF0808.
User Response: If the response code is 8, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHCF0441 will have been issued. Any other response code indicates an internal logic error.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHCFRL
DFHCF0806 Unexpected end of file encountered on reload data set.

Explanation: End of file was encountered on the data set containing the unloaded coupling facility data table pool before the logical end of the unloaded data was encountered.

System Action: Reload processing is terminated and the server is closed down with message DFHCF0808.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0807 Reload data set contains incorrect data near block block, offset offset.

Explanation: The coupling facility data table pool reload process failed because the unloaded pool data set is not in the correct format.

System Action: Reload processing is terminated and the server is closed down with message DFHCF0808.

User Response: Check that the correct data set is being used and that the unload process completed normally.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0808 Reload for CF data table pool poolname was unsuccessful.

Explanation: The coupling facility data table pool reload process could not be completed. The reason will have been described in a previous message.

System Action: The program is terminated.

User Response: See the previous message giving the reason for the reload failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0809 Reload for CF structure strname failed, structure is full.

Explanation: Coupling facility data table pool reload processing failed because there are insufficient free entries or elements to store the new data in the structure.

System Action: Reload processing is terminated and the server is closed down with message DFHCF0808.

User Response: If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and the reload job can then be run again as soon as the alter request completes, in which case it will skip over duplicate information which has already been successfully reloaded. If the structure is at its maximum size, use the MVS SETXCF FORCE command to delete the structure, then increase the SIZE and INITSIZE parameters in the current CFRM policy and activate the updated policy, and rerun the reload job. The approximate amount of information which could not be reloaded can be estimated by comparing the numbers of blocks read and tables reloaded, as described by following message DFHCF0803, with the corresponding numbers from message DFHCF0703 in the unload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0810 Reload for CF structure strname failed, all lists are in use.

Explanation: Coupling facility data table pool reload processing failed because all list headers defined in the structure are now in use.

System Action: Reload processing is terminated and the server is closed down with message DFHCF0808.

User Response: Use the MVS SETXCF command to delete the structure, then change the reload job MAXTABLES parameter to a value at least as large as the number of tables in the unloaded data, preferably much larger to allow for future expansion, then rerun the reload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0821 CF data table table has been successfully reloaded, records records.

Explanation: The named coupling facility data table has been reloaded. Note that if any recoverable updates were pending, the number of table entries reloaded may be slightly larger than the number of blocks read and tables reloaded, as described by following message DFHCF0803, with the corresponding numbers from message DFHCF0703 in the unload job. This indicates that the unloaded data set is incomplete, perhaps because the unload process was abnormally terminated. The program is terminated.

System Action: Reload processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFRL

DFHCF0822 CF data table table is already defined, reloading has been bypassed.

Explanation: A coupling facility data table which was being reloaded was found to have the same name as an existing table within the pool.

System Action: Reloading of the table is bypassed, and reload processing continues with the next table.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFRL
DFHCF0831

**Explanation:** Coupling facility data table pool reload processing has reloaded one or more unresolved recoverable units of work for the specified recoverable connection identifier.

**System Action:** Reload processing restores the status of those units of work from the unloaded data, to allow them to be resolved when the connection is next restarted.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCFUL

DFHCF0832

**Explanation:** Coupling facility data table pool reload processing found one or more unresolved recoverable units of work in the unloaded data which were found to be already present in the current pool, so they were bypassed in this reload run. This should only happen if the reload job was run more than once, for example to resume reloading after increasing the pool size.

**System Action:** Reload processing skips units of work which are already identified as active in the current pool.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCFUL

DFHCF0911I R12=prv RQ Entry function Table=table Task=tasknum region

**Explanation:** Coupling facility data table server request tracing is active and information from the FCCR parameter list is being traced on entry to the request module DFHCFRQ.

**System Action:** Processing continues.

**User Response:** This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCFRQ

DFHCF0911I R12=prv RQ Exit response Table=table Task=tasknum region

**Explanation:** Coupling facility data table server request tracing is active and information from the FCCR parameter list is being traced on exit from the request module DFHCFRQ.

**System Action:** Processing continues.

**User Response:** This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCFRQ

DFHCF0913I R12=prv RQ Lock status Table=tasknum region

**Explanation:** Coupling facility data table server request tracing is active and the state of a record lock is being traced. (This message is not used in the normal cases of reading a record whose lock is available or releasing a record when no other task expressed an interest in it).

- **Record lock status values:**
  - **OWNED** The lock is already held by the same task.
  - **BUSY** The lock is held by another active task.
  - **RECLAIM** The lock is for an inactive task and will be retained.
  - **POST** Other tasks are being notified that a lock was released.

**System Action:** Processing continues.

**User Response:** This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCFSQ

DFHCF0921I R12=prv IQ Entry function Table=table Task=tasknum region

**Explanation:** Coupling facility data table server request tracing is active and information from the FCCI parameter list is being traced on entry to the inquire module DFHCFIQ.

**System Action:** Processing continues.

**User Response:** This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCFIQ

DFHCF0921I R12=prv IQ Exit response Table=table Task=tasknum region

**Explanation:** Coupling facility data table server request tracing is active and information from the FCCI parameter list is being traced on exit from the inquire module DFHCFIQ.

**System Action:** Processing continues.

**User Response:** This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCFIQ
Coupling facility interface operations:

**Explanation:** Coupling facility data table server request tracing is active and information from the FCCT parameter list is being traced on entry to the open/close module DFHCFOC.

**System Action:** Processing continues.

**User Response:** This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCFOC

- Coupling facility interface objects:
  - **xxA** APPLID entry
  - **xxD** Data record entry
  - **xxI** Index entry
  - **xxL** List controls (for list containing data records)
  - **xxM** Message entry (for lock release notification)
  - **xxU** Unit of work entry

The options flags may include the following hexadecimal values:

- **80** Read key greater than or equal
- **40** Read key less than or equal
- **20** Compare entry version with given value
- **10** Suppress data transfer (transfer adjunct area only)
- **08** Access oldest entry with same key (for before-image)
- **04** Write new entry with same key (for after-image)
- **02** Non-increasing rewrite (so retry if structure full)

The modifier field is only used at present to specify the target connection number for a lock message, in hexadecimal form.

**System Action:** Processing continues.

**User Response:** This message is intended primarily for diagnostic use as advised by your IBM Support Center.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHCFOC

- Coupling facility interface objects:
  - **CRx** Create
  - **DLx** Delete
  - **INx** Inquire

**Chapter 1. DFH messages**

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DFHCF0943I

| Task=DFHCFSP R12=prv CF IXLLIST keyword=value |
| Explanation: Coupling facility data table server tracing for coupling facility accesses is active and an IXLLIST parameter or result value (key, authority value or version) is being traced in hex and (if relevant) character format. |
| System Action: Processing continues. |
| User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center. |
| Note: This message cannot be changed with the message editing utility. |
| Destination: SYSPRINT |
| Module: DFHCFCF |

DFHCF0944I R12=prv CF Exit response table

| Explanation: Coupling facility data table server tracing for coupling facility accesses is active and information from the request interface parameter list is being traced on exit from the CF request module DFHCFCF. |
| System Action: Processing continues. |
| User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center. |
| Note: This message cannot be changed with the message editing utility. |
| Destination: SYSPRINT |
| Module: DFHCFCF |

DFHCF0945I R12=prv SP Entry function UOWID=uowid Task=tasknum region

| Explanation: Coupling facility data table server request tracing is active and information from the FCCU parameter list is being traced on entry to the syncpoint module DFHCFSP. |
| System Action: Processing continues. |
| User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center. |
| Note: This message cannot be changed with the message editing utility. |
| Destination: SYSPRINT |
| Module: DFHCFCF |

DFHCF0952I R12=prv SP Exit response UOWID=uowid Task=tasknum region

| Explanation: Coupling facility data table server request tracing is active and information from the FCCU parameter list is being traced on exit from the syncpoint module DFHCFSP. |
| System Action: Processing continues. |
| User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center. |
| Note: This message cannot be changed with the message editing utility. |
| Destination: SYSPRINT |
| Module: DFHCFCF |

DFHCF0953I R12=prv SP Lock action UOWID=uowid Task=tasknum region

| Explanation: Coupling facility data table server request tracing is active and a record lock action is being traced. The only lock action traced at present is 'POST', when a lock is being released after another task expressed interest in it. |
| System Action: Processing continues. |
| User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center. |
| Note: This message cannot be changed with the message editing utility. |
| Destination: SYSPRINT |
| Module: DFHCFCF |

DFHCF0954I R12=prv SP UOW status UOWID=uowid Task=tasknum region

| Explanation: Coupling facility data table server request tracing is active and a unit of work is being processed during restart processing. |
| System Action: Processing continues. |
| User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center. |
| Note: This message cannot be changed with the message editing utility. |
| Destination: SYSPRINT |
| Module: DFHCFCF |

DFHCF0955I R12=prv SP Table table UOWID=uowid Task=tasknum region

| Explanation: Coupling facility data table server request tracing is active and the named table is being processed as part of commit or backout processing. |
| System Action: Processing continues. |
| User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center. |
Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFSP

DFHCF0956I R12=prsv SP Record state action UOWID=uooid
Task=tasknum region

Explanation: Coupling facility data table server request tracing is active and the current record state is being traced before commit or backout processing.

- The record state may include the following hexadecimal values:
  - 80 The record is locked.
  - 40 The record was changed in some way.
  - 20 The record was created by this unit of work.
  - 10 The record was updated by this unit of work.
  - 08 The record was deleted by this unit of work.
  - 04 The record lock is marked as retained.
  - 01 This was the first record updated by this unit of work.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFSP

DFHC0999I Trace text

Explanation: This message is used by the coupling facility data table server for non-specific debugging traces in multiple modules, for use by service personnel. It should not appear in normal execution unless debugging traces were deliberately activated, or an internal logic error was encountered.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: various

DFHCPxxxx messages

DFHC0101I applid CPI initialization has started.

Explanation: This is an informational message indicating the start of CPI initialization.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter MSGGLVL=0.

Destination: Console

Module: DFHCPCIP

XMEOUT Parameters: date, time, applid, tranid, program name, verb, Conversation_ID

DFHC0102I applid CPI initialization has ended.

Explanation: This is an informational message indicating that CPI initialization has completed successfully.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter MSGGLVL=0.

Destination: Console

Module: DFHCPCIP

XMEOUT Parameter: applid

DFHC0103I applid CPI initialization has failed.

Explanation: CPI has failed to initialize successfully.

System Action: Message DFHSI1522 will be issued following this message. CICS will terminate or continue initialization depending upon the operator’s response to message DFHSI1522. An exception trace entry will be written at the time the failure was detected. Other CICS components called by CPI initialization may also issue messages or write trace entries.

User Response: Decide whether CICS can continue execution without CPI support, and respond accordingly to message DFHSI1522.

You should also investigate why CPI failed to initialize.

Destination: Console

Module: DFHCPCIP

XMEOUT Parameter: applid

DFHC0701I date time applid tranid program name CPI-C verb used unrecognized CONVERSATION_ID Conversation_ID.

Explanation: The application program has used an unrecognized conversation_ID on one of its calls to CPI-C. This could mean that:
- The application program has not created a conversation successfully using either the CMINIT (Initialize_Conversation) or the CMACCP (Accept_Conversation) verbs, or
- The application program has used the conversation_ID supplied to it by CPI-C incorrectly.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK. The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Determine which error has occurred and amend the application program accordingly.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCIP

XMEOUT Parameters: date, time, applid, tranid, program name, verb, Conversation_ID
DFHCP0702I  date time applid tranid program name Conversation_ID
CPI-C verb verb was disallowed because of the conversation state.

Explanation: The CPI-C state machine detected a state error.
This means that the conversation was in the wrong state to issue
this verb.

System Action: CICS returns control to the application program
with return_code CM_PROGRAM_STATE_CHECK.

The CPI-C verb has no effect on either the conversation or the
conversation characteristics.

User Response: Use the state machine defined in the SAA CPI
Communications Reference manual, (SC26-4399), and the CICS
trace information to determine the sequence of CPI-C calls issued
that caused the state error. Amend the application program in
accordance with the supplied guidelines.

Destination: CCPI
Module: DFHCPCSA
XMEOUT Parameters: date, time, applid, tranid, program name,
Conversation_ID, verb, state

DFHCP0705I  date time applid tranid program name Conversation_ID
invalid conversion_type parameter (X'conv_type')
supplied on the CMSCT (Set_Conversation_Type) verb.

Explanation: The application program has called CMSCT
(Set_Conversation_Type) with an invalid conversion_type
parameter value.

System Action: CICS returns control to the application program
with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the
conversation characteristics.

User Response: Amend CMSCT in the application program to
use a valid conversion_type parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a
detailed description of all the CPI-C verbs and how they should be
called.

Destination: CCPI
Module: DFHCPCSA
XMEOUT Parameters: date, time, applid, tranid, program name,
Conversation_ID, X'conv_type'

DFHCP0708I  date time applid tranid program name Conversation_ID
the supplied conversation_type parameter
CM_MAPPED_CONVERSATION conflicts with the
current setting of log_data.

Explanation: The application program has called CMSCT
(Set_Conversation_Type) with a conversation_type parameter of
CM_MAPPED_CONVERSATION when it had previously used the
CMSLD (Set_Log_Data) verb to create some Log Data.
This is not allowed in CPI-C.

System Action: CICS returns control to the application program
with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the
conversation characteristics.

User Response: Amend the application program so that it does
not use these two verbs in this invalid combination.

The SAA CPI-C Reference manual, (SC26-4399), provides a
detailed description of all the CPI-C verbs and how they should be
called.

Destination: CCPI
Module: DFHCPCSA
XMEOUT Parameters: date, time, applid, tranid, program name,
Conversation_ID

DFHCP0708I  date time applid tranid program name Conversation_ID
invalid deallocate_type parameter
(X'deallocate_type') supplied on the CMSDT
(Set_Deallocate_Type) verb.

Explanation: The application program has called CMSDT
(Set_Deallocate_Type) with an invalid deallocate_type parameter.

System Action: CICS returns control to the application program
with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the
conversation characteristics.

User Response: Amend CMSDT in the application program to
use a valid deallocate_type parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a
detailed description of all the CPI-C verbs and how they should be
called.

Destination: CCPI
Module: DFHCPCSB
XMEOUT Parameters: date, time, applid, tranid, program name,
Conversation_ID, X'deallocate_type'
DFHCP0709I  date time applid tranid program name  conversation_ID
the supplied deallocate_type parameter
deallocate_type conflicts with the current setting of
the sync_level characteristic sync_level.

Explanation: The application program has called CMSDT
(Set_Deallocate_Type) with a deallocate_type of deallocate_type
and with the sync_level characteristic set to sync_level.

System Action: CICS returns control to the application program
with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the
conversation characteristics.

User Response: Amend the application program to remove this

The SAA CPI-C Reference manual, (SC26-4399), provides a
detailed description of all the CPI-C verbs and how they should be
called.

Destination: CCPI
Module: DFHCPCSB
XMEOUT Parameters: date, time, applid, tranid, program name,
conversation_ID, deallocate_type, sync_level

DFHCP0701I  date time applid tranid program name  conversation_ID
invalid error_direction parameter (X’error_direction’) supplied on the CMSED (Set_Error_Direction) verb.

Explanation: The application program has called CMSED
(Set_Error_Direction) with an invalid error_direction parameter.

System Action: CICS returns control to the application program
with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the
conversation characteristics.

User Response: Amend CMSED in the application program to
use a valid error_direction parameter.

Destination: CCPI
Module: DFHCPCSC
XMEOUT Parameters: date, time, applid, tranid, program name,
conversation_ID, X’error_direction’

DFHCP0711I  date time applid tranid program name  conversation_ID
invalid fill parameter (X’fill’) supplied on the CMSF (Set_Fill) verb.

Explanation: The application program has called CMSF (Set_Fill)
with an invalid fill parameter fill.

System Action: CICS returns control to the application program
with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the
conversation characteristics.

User Response: Amend CMSF in the application program to use
a valid fill parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a
detailed description of all the CPI-C verbs and how they should be
called.

Destination: CCPI
Module: DFHCPCSD
XMEOUT Parameters: date, time, applid, tranid, program name,
conversation_ID, X’fill’

DFHCP0712I  date time applid tranid program name  conversation_ID
CMSGF (Set_Fill) call conflicts with the current conversation_type of
CM_MAPPED_CONVERSATION.

Explanation: The application program has called CMSF (Set_Fill)
when the conversation_type is CM_MAPPED_CONVERSATION.

System Action: CICS returns control to the application program
with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the
conversation characteristics.

User Response: Amend the application program to remove this

The SAA CPI-C Reference manual, (SC26-4399), provides a
detailed description of all the CPI-C verbs and how they should be
called.

Destination: CCPI
Module: DFHCPCSD
XMEOUT Parameters: date, time, applid, tranid, program name,
conversation_ID

DFHCP0713I  date time applid tranid program name  conversation_ID
CMSLD (Set_Log_Data) call conflicts with the current conversation_type of
CM_MAPPED_CONVERSATION.

Explanation: The application program has called CMSLD
(Set_Log_Data) when the conversation_type is CM_MAPPED_CONVERSATION.

System Action: CICS returns control to the application program
with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the
conversation characteristics.

User Response: Amend the application program to remove this

The SAA CPI-C Reference manual, (SC26-4399), provides a
detailed description of all the CPI-C verbs and how they should be
called.

Destination: CCPI
Module: DFHCPCSE
XMEOUT Parameters: date, time, applid, tranid, program name,
conversation_ID

DFHCP0714I  date time applid tranid program name  conversation_ID
CMSLD (Set_Log_Data) (log_data_length) supplied on
CMSLD (Set_Log_Data) verb is not in the range 0-512.

Explanation: The application program has called CMSLD
(Set_Log_Data) with a log_data_length parameter that is not in the range 0–512.

System Action: CICS returns control to the application program
with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the
conversation characteristics.

User Response: Amend CMSLD in the application program to use
a valid log_data_length parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a
detailed description of all the CPI-C verbs and how they should be
called.
**DFHCPCSE**

**Destination:** CCPI

**Module:** DFHCPCSE

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, log_data_length

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**DFHCPSH**

**Destination:** CCPI

**Module:** DFHCPCSH

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, X’mode_name’

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**DFHCPSG**

**Destination:** CCPI

**Module:** DFHCPCSG

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, X’mode_name_length’

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**DFHCPSI**

**Destination:** CCPI

**Module:** DFHCPCSI

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, X’mode_name’

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**DFHCP0718I**

**date time applid tranid program name conversation_ID**

**invalid mode_name_length parameter**

**(mode_name_length) supplied on the CMSMN (Set_Mode_Name) verb.**

**Explanation:** The application program has called CMSMN (Set_Mode_Name) with a mode_name_length parameter outside the range of 0–8.

**System Action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User Response:** Amend CMSMN in the application program to use a valid mode_name_length parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Destination:** CCPI

**Module:** DFHCPCSE

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, log_data_length

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**DFHCP0721I**

**date time applid tranid program name conversation_ID**

**the partner_LU_name_length (partner_LU_name_len) supplied on the CMSPLN (Set_Partner_LU_Name) verb is not in the range 1-17.**

**Explanation:** The application program has called CMSPLN (Set_Partner_LU_Name) with a partner_LU_name_length parameter outside the range 1–17.

**System Action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect either on the conversation or conversation characteristics.

**User Response:** Amend CMSPLN in the application program to use a valid partner_LU_name_length parameter within the range 1–17.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Destination:** CCPI

**Module:** DFHCPCSE

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, partner_LU_name_len

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**DFHCP0724I**

**date time applid tranid program name conversation_ID**

**invalid prepare_to_receive_type parameter**

**(prepare_to_receive_type) supplied on the CMSPT (Set_Prepare_To_Receive_Type) verb.**

**Explanation:** The application program has called CMSPT (Set_Prepare_To_Receive_Type) with an invalid prepare_to_receive_type parameter.

**System Action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect either on the conversation or the conversation characteristics.

**User Response:** Amend CMSPT in the application program to use a valid prepare_to_receive_type parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Destination:** CCPI

**Module:** DFHCPCSE

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, X’prepare_to_receive_type’

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**DFHCP0725I**

**date time applid tranid program name conversation_ID**

**the supplied prepare_to_receive_type parameter CM_PREP_TO_RECEIVE_CONFIRM is incompatible with the current setting of the sync_level characteristic CM_NONE.**

**Explanation:** The application program has called CMSPT (Set_Prepare_To_Receive_Type) with a prepare_to_receive_type parameter of CM_PREP_TO_RECEIVE_CONFIRM and with the sync_level characteristic set to CM_NONE.

**System Action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User Response:** Amend the application program to remove this conflict.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Destination:** CCPI

**Module:** DFHCPCSE

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID

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**DFHCP0726I**

**date time applid tranid program name conversation_ID**

**invalid receive_type parameter**

**(receive_type) supplied on the CMRT (Set_Receive_Type) verb.**

**Explanation:** The application program has called CMRT (Set_Receive_Type) with an invalid receive_type parameter.

**System Action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User Response:** Amend CMRT in the application program to use a valid receive_type parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Destination:** CCPI

**Module:** DFHCPCSE

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, X’receive_type’
**DFHCP0727I** date time applid tranid program name conversation_ID invalid return_control parameter (X'return_control') supplied on the CMSRC (Set_Return_Control) verb.

**Explanation:** The application program has called CMSRC (Set_Return_Control) with an invalid return_control parameter.

**System Action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User Response:** Amend CMSRC in the application program to use a valid return_control parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Destination:** CCPI

**Module:** DFHCPCSL

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, X'return_control'

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**DFHCP0728I** date time applid tranid program name conversation_ID invalid send_type parameter (X'send_type') supplied on the CMSST (Set_Send_Type) verb.

**Explanation:** The application program has called CMSST (Set_Send_Type) with an invalid send_type parameter.

**System Action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User Response:** Amend CMSST in the application program to use a valid send_type parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Destination:** CCPI

**Module:** DFHCPCSJ

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, X'send_type'

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**DFHCP0729I** date time applid tranid program name conversation_ID the supplied send_type parameter CM-send_type_characteristic CM_SEND_AND_CONFIRM is incompatible with the current setting of the sync_level characteristic CM_NONE.

**Explanation:** The application program has called CMSST (Set_Send_Type) with a send_type parameter of CM_SEND_AND_CONFIRM and with the sync_level characteristic set to CM_NONE.

**System Action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User Response:** Amend the application program to remove this conflict.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Destination:** CCPI

**Module:** DFHCPCSL

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, X'send_type'

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**DFHCP0730I** date time applid tranid program name conversation_ID invalid sync_level parameter (X'sync_level') supplied on the CMSSL (Set_Sync_Level) verb.

**Explanation:** The application program has called CMSSL (Set_Sync_Level) with an invalid sync_level parameter.

**System Action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User Response:** Amend CMSSL in the application program to use a valid sync_level parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Destination:** CCPI

**Module:** DFHCPCSL

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, X'sync_level'

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**DFHCP0731I** date time applid tranid program name conversation_ID the supplied sync_level parameter CM_NONE is incompatible with the current setting of the send_type characteristic CM_SEND_AND_CONFIRM.

**Explanation:** The application program has called CMSSL (Set_Sync_Level) with a sync_level parameter of CM_NONE. The send_type is CM_SEND_AND_CONFIRM.

**System Action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User Response:** Amend the application program to remove this conflict.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

**Destination:** CCPI

**Module:** DFHCPCSL

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, X'sync_level'

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**DFHCP0732I** date time applid tranid program name conversation_ID the supplied sync_level parameter sync_level is incompatible with the current setting of the deallocate_type characteristic deallocate_type.

**Explanation:** The application program has called CMSSL (Set_Sync_Level) with a sync_level parameter of sync_level. The deallocate_type is deallocate_type.

**System Action:** CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

**User Response:** Amend the application program to remove this conflict.
The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI
Module: DFHCPCSL
XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, sync_level, deallocate_type

DFHCP0733I date time applid tranid program name conversation_ID the supplied sync_level parameter CM_NONE is incompatible with the current setting of the prepare_to_receive_type characteristic CM_PREP_TO_RECEIVE_CONFIRM.

Explanation: The application program has called CMSSL (Set_Sync_Level) with a sync_level parameter of CM_NONE.
CM_PREP_TO_RECEIVE_CONFIRM is the prepare_to_receive_type.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI
Module: DFHCPCSL
XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, tp_name_length

DFHCP0734I date time applid tranid program name conversation_ID tp_name_length parameter (tp_name_length) supplied on the CMSTPN (Set_TP_Name) verb is not in the range 1–64.

Explanation: The application program has called CMSTPN (Set_TP_Name) with an tp_name_length parameter outside the range 1–64.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSTPN in the application program to use a valid tp_name_length parameter.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI
Module: DFHCPCM

DFHCP0740I date time applid tranid program name No incoming conversation to accept.

Explanation: The application program has called CMACCP (Accept_conversation) when there is no incoming conversation.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Ensure that there is an incoming conversation to accept.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI
Module: DFHCPCAC
XMEOUT Parameters: date, time, applid, tranid, program name

DFHCP0741I date time applid tranid program name Duplicate call to CMACCP (Accept_Conversation).

Explanation: The application program has called CMACCP (Accept_conversation) more than once.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program so that it only calls CMACCP once.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI
Module: DFHCPCAC
XMEOUT Parameters: date, time, applid, tranid, program name

DFHCP0742I date time applid tranid program name Session is not available for CPI-C as it is already in use by another process.

Explanation: The application program has called CMACCP (Accept_conversation) when it was already using the session for another process, for example, EXEC Interface DTP.

System Action: CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

User Response: Ensure that the application uses only CPI-C on this session.

Destination: CCPI
Module: DFHCPCAC
XMEOUT Parameters: date, time, applid, tranid, program name
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DFHCP0743I date time applid tranid program name Unable to use CPI-C as this transaction was initiated by ATI.

Explanation: The application program has called CMACCP (Accept_conversation) after it was started by Automatic Transaction Initiation (ATI). This is not supported.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

User Response: Ensure that applications abide by this restriction.

Destination: CCPI
Module: DFHCPCAC

DFMEOUT Parameters: date, time, applid, tranid, program name

DFHCP0747I date time applid tranid program name conversation_ID CMCFM (Confirm) call conflicts with sync_level CM_NONE.

Explanation: The application program has called CMCFM (Confirm) when the sync_level is set to CM_NONE. This is not allowed.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program so this conflict no longer occurs.

The SAA CPI-C Reference, manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI
Module: DFHCPCCM

DFMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID

DFHCP0749I date time applid tranid program name Unrecognized sym_dest_name (sym_dest_name) supplied on the CMINIT (Initialize_Conversation) verb.

Explanation: The application program has called CMINIT (Initialize_Conversation). The sym_dest_name parameter is unrecognized.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program and the partner resource definition to ensure that the sym_dest_name parameter is correct.

The SAA CPI-C Reference, manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI
Module: DFHCPCIC

DFMEOUT Parameters: date, time, applid, tranid, program name, sym_dest_name

DFHCP0750I date time applid tranid program name Unrecognized profile profile_name supplied in partner resource sym_dest_name.

Explanation: The application program has called CMINIT (Initialize_Conversation). The profile found in the sym_dest_name supplied is unrecognized.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program and the partner resource definition to ensure that the sym_dest_name parameter is correct.

The SAA CPI-C Reference, manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

In addition, the CICS Resource Definition Guide gives further information on partner resource definitions.

Modules: DFHCPCIC

DFMEOUT Parameters: date, time, applid, tranid, program name, profile_name, sym_dest_name

DFHCP0751I date time applid tranid program name conversation_ID invalid requested_length parameter requested_length supplied on CMRCV (Receive).

Explanation: The application program has called CMRCV (Receive) with a requested_length parameter that has a value greater than 32767.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to use a valid value for the requested_length parameter.

The SAA CPI-C Reference, manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI
Modules: DFHCPCRI, DFHCPCRW

DFMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, requested_length

DFHCP0752I date time applid tranid program name conversation_ID data passed on call to CMSEND contains an invalid GDS record.

Explanation: The application program has called CMSEND (Send_Data). Data passed on this call contains an invalid generalized data stream (GDS) record.

Note: This message is only issued on a basic conversation. That is, when conversation_type is set to CM_BASIC_CONVERSATION.

System Action: The data is not sent.

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.
DFHCP0753I

User Response: Amend the application program to ensure that this parameter is correct.
The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called together with information about GDS records.
The CICS Distributed Transaction Programming Guide provides additional information about GDS records.

Destination: CCPI
Module: DFHCPCN1, DFHCPCN2, DFHCPCN3, DFHCPCN4, DFHCPCN5
XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID

Explanation: A sense code received from the partner program on a remote system was unrecognized. This could be for one of two reasons.
- a protocol error, or
- the partner program is running on a later release and new sense codes have been added to the APPC architecture.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_ERROR_PURGING. This depends on whether the unrecognized sense code has been interpreted as an error or interpreted as a conversation abend.

Note: tp_name is present only if this message is being issued on the front-end system.

User Response: Use the sense code provided in the message and your knowledge of the two communicating systems to determine which of the two possible cases documented above is the error.
If the error is a protocol error, you need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCPI
Module: DFHCPCN1, DFHCPCN2, DFHCPCN3, DFHCPCN4, DFHCPCN5
XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, send_length

DFHCP0754I date time applid tranid program name conversation_ID data sent so far is currently in the middle of a GDS record so cannot send CMDEAL, CMCFM or CMPTTR requests.

Explanation: The application is using a basic conversation (that is, the conversation_type characteristic has been set to CM_BASIC_CONVERSATION).
The application has not sent all the data associated with the last Generalized Data Stream (GDS) record.
However, the application has tried to send one of the following requests:
- a CMDEAL (Deallocate),
- a CMCFM (Confirm), or
- a CMPTTR (Prepare_to_receive).

System Action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.
The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Inspect the data sent to determine why the previous send was in error. Check if the error was caused by the application truncating the last record or if there was an error in one of the length fields which caused CPI-C to misinterpret the data-stream and amend the application program accordingly.

The SAA CPI-C Reference manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called together with information about GDS records.
The CICS Distributed Transaction Programming Guide provides additional information about GDS records.

Destination: CCPI
Module: DFHCPCN1, DFHCPCN2, DFHCPCN3, DFHCPCN4, DFHCPCN5
XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, send_length

DFHCP0757I date time applid tranid program name conversation_ID unrecognized netname netname supplied for CMALLC (Allocate) verb.

Explanation: The allocation of a session for this conversation failed due to an unrecognized netname netname.
This value is derived from the partner LU name specified either in the partner resource for the conversation, or on a CPI-C CMSPLN (set_partner_lu_name) verb.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.

No session is allocated.

User Response: Amend the application program to use a recognized netname.

Destination: CCPI
Module: DFHCPCN1, DFHCPCN2, DFHCPCN3, DFHCPCN4, DFHCPCN5
XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, netname
**Chapter 1. DFH messages**

DFHCP0758I  date time applid tranid program name conversation_ID unrecognized mode_name mode_name supplied for CMALLC (Allocate) verb.

**Explanation:** The allocation of a session for this conversation failed due to an unrecognized mode_name mode_name. This value is specified either in the profile named in the partner resource for the conversation, or on a CPI-C CMSMN (Set_mode_name) verb.

**System Action:** CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

No session is allocated.

**User Response:** Amend the application program to use a recognized mode_name.

**Destination:** CCPI

**Module:** DFHCPICAL

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, mode_name

---

DFHCP0759I  date time applid tranid program name conversation_ID invalid use of the SNA service TP X'tp_name'

**Explanation:** The allocation of a session for conversation conversation_ID failed because the transaction program (TP) specified in the conversation control block (CPC) is an SNA service TP. This is not allowed.

**System Action:** CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

**User Response:** Amend the application program so that it uses a different TP.

**Destination:** CCPI

**Module:** DFHCPICAL

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, X'tp_name'

---

DFHCP0760I  date time applid tranid program name conversation_ID an invalid partner.lu_name partner.lu_name was specified for the CMALLC (Allocate) verb.

**Explanation:** The allocation of a session has failed. This is because the partner.lu_name specified in the conversation control block (CPC) does not conform to the following rules.

1. The partner.lu_name may take one of the following forms:
   - Netname (1-8 characters long), or
   - Network.netname (where network and netname are EACH 1-8 characters long).

2. Netname and network both consist of the following character sets, where the first character is always alphabetic:
   - A-Z
   - a-z
   - 0-9
   - @
   - $
   - #

**Note:** Lower case letters are translated to uppercase.

**System Action:** The session is not allocated.

CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

**User Response:** Depending on the application, the partner.lu_name either comes from the partner resource (specified on the CMINIT (initialize_conversation) verb in the sym_dest_name parameter) or an optional CMSPLN (set_partner.lu_name) verb. This value needs to be changed to conform to the rules above.

**Destination:** CCPI

**Module:** DFHCPICAL

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, partner.lu_name

---

DFHCP0761I  date time applid tranid program name conversation_ID an invalid mode_name mode_name was specified for the CMALLC (Allocate) verb.

**Explanation:** The allocation of a session for conversation conversation_ID has failed. This is because the mode_name mode_name specified in the conversation control block (CPC) is not allowed.

**System Action:** No session is allocated.

CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

**User Response:** Amend the application program so that it uses a different mode_name.

**Destination:** CCPI

**Module:** DFHCPICAL

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, mode_name

---

DFHCP0763I  date time applid tranid program name conversation_ID the mode_name mode_name specified for the CMALLC (Allocate) verb is unknown to VTAM.

**Explanation:** The allocation of a session for conversation conversation_ID has failed. This is because the mode_name specified in the conversation control block (CPC) is known to the remote system, but is unknown to VTAM.

**System Action:** No session is allocated.

CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

**User Response:** Amend the application program so that it uses a different mode_name.

**Destination:** CCPI

**Module:** DFHCPICAL

**XMEOUT Parameters:** date, time, applid, tranid, program name, conversation_ID, mode_name

---

DFHCP0764I  date time applid tranid program name Partner Resource Manager is unavailable.

**Explanation:** The application program has called CMINIT (Initialize_Conversation), but the partner resource manager (which provides access to the partner resource table) is not available.

**System Action:** CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

**User Response:** First determine whether message DFHPR0106 was issued during CICS initialization; if so, refer to the advice given for that message. Otherwise it appears that CICS-owned storage (either the static storage address list, or the PR static storage) has been overlaid. Refer to the CICS Problem Determination Guide for guidance on how to deal with storage violations.

**Destination:** CCPI

**Module:** DFHCPICAL
DFHCP0765I

XMEOUT Parameters: date, time, applid, tranid, program name

DFHCP0765I date time applid tranid program name conversation_ID CPI-C verb verb was disallowed because of the BACKOUT-REQUIRED program state.

Explanation: The CPI-C state machine has detected a state error. The verb verb cannot be issued in BACKOUT-REQUIRED program state.

System Action: CICS returns control to the application program with return code CM_PROGRAM_STATE_CHECK.

User Response: Amend the application program in accordance with the supplied guidelines. See the SAA CPI-C Reference (SC26-4399), which contains a description of CPI-C verbs and how they should be called.

Destination: CCPI
Module: DFHCPIC
XMEOUT Parameters: date, time, applid, tranid, program name, conversation_ID, verb

DFHCRxxxx messages

DFHCR4300 date time applid Transaction tranid not executed on terminal termid on system sysid. Transaction invalid on that system

Explanation: A request was made to schedule a task on remote system sysid. The request could not be executed because transaction tranid is not defined on system sysid.

System Action: Other processing continues.

User Response: Ensure that terminal termid and transaction tranid are defined on system sysid.

Destination: CSMT
Module: DFHCRS
XMEOUT Parameters: date, time, applid, tranid, termid, sysid

DFHCR4301 date time applid Transaction tranid not executed on terminal termid on system sysid. Terminal invalid on that system

Explanation: A request was made to schedule a task on remote system sysid. The request could not be executed because terminal termid is not defined on system sysid.

System Action: Other processing continues.

User Response: Ensure that terminal termid and transaction tranid are defined on system sysid.

Destination: CSMT
Module: DFHCRS
XMEOUT Parameters: date, time, applid, tranid, termid, sysid

DFHCR4302 date time applid Transaction tranid not executed on terminal termid on system sysid. Schedule request failed on that system

Explanation: A request was made to schedule a task on remote system sysid. The request could not be executed.

System Action: Other processing continues.

User Response: Check the system definition tables of the remote system to determine why schedule requests might not be honored.

Destination: CSMT
Module: DFHCRS
XMEOUT Parameters: date, time, applid, tranid, termid, sysid

DFHCR4310 date time applid Request from system sysid to initiate transaction tranid on that system on terminal termid was not executed. Transaction invalid on this system.

Explanation: A request was received from remote system sysid to initiate transaction tranid on system sysid on terminal termid. The request could not be honored because transaction tranid is not defined in this system.

System Action: Processing continues.

User Response: Ensure that terminal termid and transaction tranid are defined on both systems.

Destination: CSMT
Module: DFHCRS
XMEOUT Parameters: date, time, applid, sysid, tranid, termid

DFHCR4311 date time applid Request from system sysid to initiate transaction tranid on that system on terminal termid was not executed. Terminal invalid on this system.

Explanation: A request was received from remote system sysid to initiate transaction tranid on system sysid on terminal termid. The request could not be honored because terminal termid is not defined on this system.

System Action: Processing continues.

User Response: Ensure that terminal termid and transaction tranid are defined on both systems.

Destination: CSMT
Module: DFHCRS
XMEOUT Parameters: date, time, applid, sysid, tranid, termid

DFHCR4312 date time applid Request from system sysid to initiate transaction tranid on that system on terminal termid was not executed. Schedule request failed

Explanation: A request was received from remote system sysid to initiate transaction tranid on system sysid on terminal termid. The request could not be honored because the schedule request failed.

System Action: Processing continues.

User Response: Check the system definition tables of the local system to determine why schedule requests might not be honored.

Destination: CSMT
Module: DFHCRS
XMEOUT Parameters: date, time, applid, sysid, tranid, termid

DFHCR4314 date time applid Request to initiate transaction tranid on remotely owned terminal termid has been purged. Request was not deliverable to system sysid within the ATI purge delay time interval.

Explanation: A request to initiate transaction tranid was not delivered to system sysid, probably because a link to system sysid had not been made available.

System Action: Processing continues.
User Response: Ensure that a link to system sysid is made available between issuing the transaction initiation request and the expiration of the ATI purge delay time interval.

Destination: CSMT
Module: DFHCRC

XMEOUT Parameters: date, time, applid, tranid, termid, sysid

DFHCZxxxx CICS class libraries messages

In order to format CZ messages correctly in a DBCS environment, use the sit override MSGCASE=UPPER.

DFHCZ0050 date time applid Request to initiate transaction tranid on remotely owned terminal termid has been purged. System sysid has not responded within the ATI purge delay time interval.

Explanation: A request to initiate transaction tranid was sent to system sysid. System sysid acknowledged the request but did not respond within the ATI purge delay time interval. If system sysid eventually responds, the task will not be executed.

System Action: Processing continues.
User Response: Determine why system sysid did not respond. The system did not respond because
1. the task started and abnormally terminated, or
2. the task failed a security check, or
3. system sysid abnormally terminated and all details of the request were lost.

Destination: CSMT
Module: DFHCRC

XMEOUT Parameters: date, time, applid, tranid, termid, sysid

DFHCZ0105 date time applid Request to initiate transaction tranid on remotely owned terminal termid has been purged. System sysid has not responded within the ATI purge delay time interval.

Explanation: This message is issued whenever the method iccException::message is called, and it gives the summary details of the exception.

System Action: The system creates an exception entry in the trace table and writes this message to the TD queue CCZM.
User Response: This message is issued for information only and there is no specific user action needed in response.

Destination: CCZM
Module: ICCEXCEC

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method, type

For further guidance, see the CICS Family C++ OO Class Libraries.

DFHCZ0108 date time applid userid termid tranid program name class::method This method failed because an internal call to CICS returned the condition condition.

Explanation: The method reported in the message failed because an internal call to CICS returned a failure condition.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.
User Response: You need to correct the cause of the underlying CICS failure before retrying this command. You should look at other messages and the trace log for further indication of the root cause.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: ICCRESIC

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method, condition

DFHCZ0109 date time applid userid termid tranid program name class::method This method failed because of a severe internal error. Diagnostic information: diaginfo1, diaginfo2.

Explanation: The method reported in the message failed because of a severe internal error.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.
User Response: Make a note of the diagnostic information and contact IBM for assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: ICCBASIC, ICCCLKEC, ICCCTLEC, ICCFILEC, ICCFLIEC, ICCRESEC, ICCRESIC, ICCTIMEC, ICCTRMEC, ICCTSKEC

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method, diaginfo1, diaginfo2

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**DFHCZ0110**

```
program name, class, method: XMEOUT Parameters:
| ICCUSREC |
```

**Explanation:** The constructor/operator reported in the message failed because it is not supported on the current platform of env.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written, then you need to establish why this program was running on a MVS platform; and then, either change the program not to call this method, or change the platform as appropriate.

**Destination:** CCZM

**Module:** ICCCONEC, ICCJRNEC, ICCRIDEC, ICCSESEC, ICCUSREC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, env

---

**DFHCZ0111**

```
program name, class, method: XMEOUT Parameters:
| ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC |
```

**Explanation:** The constructor/operator reported in the message failed because the object being accessed was incomplete.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written, then you need to establish why this method was called; and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this method/operator.

**Destination:** CCZM

**Module:** ICCABDEC, ICCCLKEC, ICCCONEC, ICCCTLEC, ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, env

---

**DFHCZ0112**

```
program name, class, method: XMEOUT Parameters:
| ICCUSREC |
```

**Explanation:** The method reported in the message failed because it is not supported on the current platform of env.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written then you need to establish why this method was running on an MVS platform; and then either change the program not to call this method or change the platform as appropriate.

**Destination:** CCZM

**Module:** ICCABDEC, ICCCLKEC, ICCCONEC, ICCCTLEC, ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, env

---

**DFHCZ0113**

```
program name, class, method: XMEOUT Parameters:
| ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC |
```

**Explanation:** The method reported in the message failed because the system is configured with CICS family subset enforcement.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written then you need to establish why this method was called, and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this method.

**Destination:** CCZM

**Module:** ICCABDEC, ICCCLKEC, ICCCONEC, ICCCTLEC, ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method

---

**DFHCZ0114**

```
program name, class, method: XMEOUT Parameters:
| ICCUSREC |
```

**Explanation:** The method reported in the message failed because the object being accessed was incomplete.

**Method Name** | **Required Resource**
--- | ---
IccSession::connectProcess | Partner Id
Module: ICCSESEC
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method

Explanation: The method reported in the message failed because the object being accessed was not one of the supported classes.

User Response: If the calling program is user written then you need to change it so that the object is of the correct type before it is accessed in this way.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

Destination: CCZM
Module: ICCSESEC
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method

DFHCZ0118 date time applid userid termid tranid program name class::method This method failed because the object being accessed did not have a reference for the resource resource.

Explanation: The method reported in the message failed because the object being accessed did not have all the resources it needs allocated to it.

User Response: If the calling program is user written then you need to change it, so that the object has the correct resources allocated to it before it is accessed in this way.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

Destination: CCZM
Module: ICCPRGEC
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method

DFHCZ0116 date time applid userid termid tranid program name class::method This method failed because the object being accessed was not one of the supported classes.

Explanation: The method reported in the message failed because the object being accessed was not one of the supported classes; IccDataQueue, IccFile, IccFileIterator, IccProgram, IccStartRequestQ, IccTempStore.

User Response: If the calling program is user written then you need to change it so that the object is of the correct type before it is accessed in this way.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

Destination: CCZM
Module: ICCSESEC
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method

DFHCZ0115 date time applid userid termid tranid program name class::method This method failed because the object being accessed had a reference to an input message while the program was invoked via the remote program link.

Explanation: The method reported in the message failed because the object being accessed had a reference to an input message and was invoked through the use of the remote program link. This combination is not supported.

User Response: If the calling program is user written then you need either to change it or the related CICS definitions, so that the object is of the correct type before it is accessed in this way.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

Destination: CCZM
Module: ICCSESEC
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method
If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: ICCFILEC, ICCFILIC
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method, resource

---

**DFHCZ0120**

date time applid userid termid tranid program name

class::method This method failed because the current number of nested program calls made using this method is already at the maximum of max.

**Explanation:** The method reported in the message failed because its usage is restricted to a maximum of 15 nested calls, while the current request would cause this to be exceeded.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written then you need to change it so that it does not cause the depth of nesting to exceed 15.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: ICCPRGEC
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method, max

---

**DFHCZ0121**

date time applid userid termid tranid program name

class::method This method failed because the call is invalid for the object being accessed. The resource type of the object is resource type.

**Explanation:** The method reported in the message failed because the method is only valid for a restricted set of resource types, and is invalid for the object being accessed.

This method is valid for the following resource types: cDataQueue, cFile, cFileIterator, cProgram, cStartRequestQ, cTempStore.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written then you need to change it so that it does not call this method for this type of object.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: ICCFILEC, ICCFILIC, ICCSEMEC, ICCSESIC, ICCSRQEC, ICCSYSEC, ICTCTIMEC, ICTCTSKEC
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method, resource, pname

---

**DFHCZ0122**

date time applid userid termid tranid program name

class::method This method failed because the optional parameter named pname was set, which is invalid for the current environment of env.

**Explanation:** The method reported in the message failed because it detected that an optional parameter was set which is invalid for the current environment.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written then you need to establish why the optional parameter was being used, and if appropriate, change the environment or change the program to avoid using this option.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: ICCFILEC, ICCFILIC, ICCSEMEC, ICCSESIC, ICCSRQEC, ICCSYSEC, ICTCTIMEC, ICTCTSKEC
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method, pname, env

---

**DFHCZ0123**

date time applid userid termid tranid program name

class::method This method failed because the optional parameter named pname was set, which is invalid because the system is configured with CICS family subset enforcement.

**Explanation:** The method reported in the message failed because it detected that an optional parameter was set which is invalid when CICS is configured to restrict its functionality to that of the CICS family.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written then you need to establish why the optional parameter was being used, and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this option.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: ICCFILEC, ICCFILIC, ICCSEMEC, ICCSESIC, ICCSRQEC, ICCSYSEC, ICTCTIMEC, ICTCTSKEC
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, class, method, pname
### DFHCZ0125

**XMEOUT Parameters:**
- **Module:** ICCSRQEC
- **Destination:** CCZM
- **XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, env

**Explanation:**
The method reported in the message failed because the object being accessed had a buffer containing function management headers (FMHs), which is invalid for the current environment of env.

**System Action:**
- The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.
- If the error condition persists, you will need assistance from IBM.
- If the calling program is user written, you should check the invalid parameter on the calling statement, and if appropriate, change it.
- If the error condition persists, you will need assistance from IBM.
- See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

### DFHCZ0126

**XMEOUT Parameters:**
- **Module:** ICCSRQEC
- **Destination:** CCZM
- **XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, env

**Explanation:**
The method reported in the message failed because the object being accessed had a buffer containing function management headers (FMHs), which is invalid because the system is configured with CICS family subset enforcement.

**System Action:**
- The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.
- If the calling program is user written, you should check the invalid parameter on the calling statement, and if appropriate, change it.
- If the error condition persists, you will need assistance from IBM.
- See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

### DFHCZ0127

**XMEOUT Parameters:**
- **Module:** ICCRIDEC
- **Destination:** CCZM
- **XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, pNAME, length, max

**Explanation:**
This method failed because the value of the parameter named pNAME, specified as length, was not within the range 1 to max.

**System Action:**
- The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, throws an exception, and completes the request having truncated the excess data.
- For further guidance, see the CICS Family C++ OO Class Libraries.

### DFHCZ0128

**XMEOUT Parameters:**
- **Module:** ICCSESEC
- **Destination:** CCZM
- **XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, pNAME, length, max

**Explanation:**
This method failed because the length of the parameter named pNAME, specified as length, was not within the range 1 to max.

**System Action:**
- The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.
- For further guidance, see the CICS Family C++ OO Class Libraries.

### DFHCZ0129

**XMEOUT Parameters:**
- **Module:** ICCSRQEC
- **Destination:** CCZM
- **XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method

**Explanation:**
This method detected an exception which resulted in data being truncated.

**System Action:**
- The method/operator reported in the message failed because the target object was not big enough and could not be extended to accommodate the new string.
- For example, assuming the definition, IccBuF buffer(5,IccBuF::fixed), the assignment, buffer = "tooolong", would fail because the length of "tooolong" is greater than 5. The resulting text value of the object buffer would be "toool".
- For further guidance, see the CICS Family C++ OO Class Libraries.
exception, and completes the request having truncated the excess data.

**User Response:** If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** ICCBUFIC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method

---

**DFHCZ0130**

date time applid userid termid tranid program name

**class::method** This method/operator failed because the parameter **pname** contained a string of length **length**, while the maximum allowed is **max**.

**Explanation:** The method reported in the message failed because one of the string parameters supplied contained a value that was too long.

For example, the method call

```cpp
IccFile::IccFile(“LONGFILENAME”) would fail because the value “LONGFILENAME” is greater than IccGl::maxFileNameLength.
```

For further guidance, see the CICS Family C++ OO Class Libraries.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** ICCRIDEC, ICTTIMEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, stringvalue, maxstringlength

---

**DFHCZ0132**

date time applid userid termid tranid program name

**class::method** This constructor failed to create an object because the parameter named **pname** contained an invalid string of length **plength** while the maximum length allowed is **pmaxlength**.

**Explanation:** This is an internal logic error.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** You will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** ICCSESIC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, plength, pmaxlength

---

**DFHCZ0134**

date time applid userid termid tranid program name

**class::method** This method failed because the parameter named **pname** contained an invalid value.

**Explanation:** The method reported in the message failed because one of the parameters supplied was invalid. For example, the method call `IccFile::readRecord(999,updateToken)` would fail because the read mode value of 999 is not within the valid range of 70 to 74.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** ICCBASEC ICCBUFEC ICCCLKEC ICCFILEC ICCFLIIC ICCLBEC ICCPRGEC ICCRESEC ICCSESEC ICCSESIC ICCSRQEC ICCSYSEC ICTMPEC ICTTRMEC ICTCTSEIC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method, pname
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DFHCZ0136 | date time applid userid termid tranid program name
| class::method | This method failed because the parameter named param_name contained conflicting flags specified as flag1 and flag2.

**Explanation:** The method reported in the message failed because one of the parameters supplied was invalid.

This parameter of the method is defined as an integer, where each bit denotes a flag, some of which must not be set simultaneously.

The calling parameter had a contradictory pair of flags set. For example, the method iccFile::setAccess(3) would fail because the access value of 3 contains the two contradictory flags readable and notReadable.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM.

See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** ICCFILEC

**XMEOUT Parameters:**
- date, time, applid, userid, termid, tranid, program name, class, method, param_name, flag1, flag2

DFHCZ0137 | date time applid userid termid tranid program name
| class::method | This constructor failed to create an object because the parameter named pname contained an invalid value of pvalue.

**Explanation:** The method reported in the message failed because one of the parameters supplied was invalid.

This parameter of the method is defined as an integer (general sense), while the value supplied on the call was not sensible for the functional content of the method. For example the method call iccTerminal::sendLine(98766,buffer) would fail, because the column value of 9876 is greater than the height of the screen.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM.

See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** ICCRIDEC

**XMEOUT Parameters:**
- date, time, applid, userid, termid, tranid, program name, class, method, pname, pvalue

DFHCZ0140 | date time applid userid termid tranid program name
| class::method | This constructor failed to create an object because it is a singleton class which already exists.

**Explanation:** The constructor method reported in the message failed to create an object because it is a singleton class which already exists. Such classes only allow a single instance of itself to exist at any one moment.

For further guidance, see the CICS Family C++ OO Class Libraries.

**System Action:** The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

**User Response:** If the calling program is user written, then you need to change it so that it does not call this method more than once per transaction.

You might consider using the method instance(). All CICS singleton classes provide a method of this name or similar, which returns a reference to the unique object, creating it should it not pre-exist. This method can be safely called multiple times, each time returning the reference to the same object.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM.

See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** ICCABDEC ICCONDEC ICCSTLEC ICCSRQEC ICCSYSEC ICCMDEC ICCTRMDEC ICCTSEK

**XMEOUT Parameters:**
- date, time, applid, userid, termid, tranid, program name, class, method, flag1, flag2
**Explanation:** The method reported in the message failed to create an object because the CICS transaction was not defined with a session as its principal facility. Typically, the program calling this method would be running as a system initiated transaction in a front end CICS region (TOR).

For further guidance, see the **CICS Family C++ OO Class Libraries**.

**System Action:** The system creates a system dump.

**User Response:** You need to change the CICS configuration definition so that the program calling this method runs in the correct environment.

If the error condition persists, you will need assistance from IBM. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Destination:** CCZM

**Module:** ICCCTLEC

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, class, method

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**Explanation:** A JNI call, `GetStringUTFChars(envp, SysId)` in code written to support Java native methods used by the JICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (AttachInitiator.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

---

**Explanation:** A JNI call, `GetStringUTFChars(envp, profile)` in code written to support Java native methods used by the JICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (AttachInitiator.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module
DFHCZ0202  
**date applid userid termid tranid program name** 
JNI call 'GetStringUTFChars(envp, process)' in module failed.

**Explanation:** A JNI call, GetStringUTFChars(envp, process), in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (Conversation.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

DFHCZ0203  
**date applid userid termid tranid program name** 
The process name passed to the CONNECT_PROCESS method in module was invalid.

**Explanation:** The process name passed to the native method CONNECT_PROCESS was invalid.

**System Action:** The system writes this message to the TD queue CCZM and ignores the invocation of CONNECT_PROCESS.

**User Response:** Ensure that the process name is set correctly using the setProcess() method on the correct AttachInitiator Java object.

**Destination:** CCZM

**Module:** DFJCZDTC (AttachInitiator.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

DFHCZ0204  
**date applid userid termid tranid program name** 
JNI call 'GetFieldID()' for DataHolder.value in module failed.

**Explanation:** A JNI call, GetFieldID() for DataHolder.value, in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (AttachInitiator.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

DFHCZ0205  
**date applid userid termid tranid program name** 
An unexpected value for the control parameter was passed to the ISSUE_CONTROL() method in module.

**Explanation:** An unexpected value for the control parameter was passed to the ISSUE_CONTROL() method.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (AttachmentInitiator.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

DFHCZ0206  
**date applid userid termid tranid program name** 
An attempt to issue an ASSIGN ABCODE command in module has failed.

**Explanation:** Code written to support Java native methods used by the JCICS Java class library has unsuccessfully attempted to issue an ASSIGN ABEND.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCAbend.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

DFHCZ0207  
**date applid userid termid tranid program name** 
JNI call 'FindClass()' in module failed.

**Explanation:** A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed to find the class for CicsResponseConditionException.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCCondition.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

DFHCZ0208  
**date applid userid termid tranid program name** 
JNI call 'GetFieldID()' in module failed.

**Explanation:** A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCCondition.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

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DFHCZ0209  date time applid userid termid tranid program name JNI
   call 'GetStringUTFChars(envp, SysId)' in module failed.

   Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

   System Action: The system writes this message to the TD queue CCZM and takes a system dump.

   User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

   Destination: CCZM
   Module: DFJCZDTC (DTCFile.c)
   XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0210  date time applid userid termid tranid program name JNI
   call 'GetStringUTFChars(envp, filename, NULL)' in module failed.

   Explanation: A JNI call, GetStringUTFChars(envp, filename, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

   System Action: The system writes this message to the TD queue CCZM and takes a system dump.

   User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

   Destination: CCZM
   Module: DFJCZDTC (DTCFile.c)
   XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0211  date time applid userid termid tranid program name A
   NULL filename has been passed to a native method in module.

   Explanation: A NULL filename has been passed to a native method used by the JCICS Java class library.

   System Action: The system writes this message to the TD queue CCZM and ignores the request.

   User Response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.

   If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

   Destination: CCZM
   Module: DFJCZDTC (DTCFile.c)
   XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0212  date time applid userid termid tranid program name JNI
   call 'GetStringUTFChars()' in module failed.

   Explanation: A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

   System Action: The system writes this message to the TD queue CCZM and takes a system dump.

   User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

   Destination: CCZM
   Module: DFJCZDTC (DTCFile.c)
   XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0213  date time applid userid termid tranid program name A
   NULL filename has been passed to a native method in module.

   Explanation: A NULL filename has been passed to a native method used by the JCICS Java class library.

   System Action: The system writes this message to the TD queue CCZM and ignores the request.

   User Response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.

   If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

   Destination: CCZM
   Module: DFJCZDTC (DTCFile.c)
   XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0214  date time applid userid termid tranid program name JNI
   call 'GetStringUTFChars(envp, SysId)' in module failed.

   Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

   System Action: The system writes this message to the TD queue CCZM and takes a system dump.

   User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

   Destination: CCZM
   Module: DFJCZDTC (DTCFile.c)
   XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0215  date time applid userid termid tranid program name An
   attempt in module to delete records from a KSDS has failed.

   Explanation: An attempt to delete records from a KSDS in code written to support Java native methods used by the JCICS Java class library has failed.

   System Action: The system writes this message to the TD queue CCZM. A Java exception or error will be thrown.

   User Response: Add appropriate code to the application to catch the exception or error thrown by the JCICS Java class library.

   If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

   Destination: CCZM
   Module: DFJCZDTC (DTCFile.c)
   XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

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DFHCZ0216  
Date Time: applid, userid, termid, tranid  
Program Name: module  
A relative record number greater than 32767 has been specified on a DELETE command in module.  
Explanation: A relative record number greater than 32766 has been passed to a Java native method used by the JCICS Java class library.  
System Action: The system writes this message to the TD queue CCZM and ignores the request.  
User Response: Ensure that the value specified on the relevant delete() method is valid.  
If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.  
Destination: CCZM  
Module: DFJCZDTC (DTCFile.c)  
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0217  
Date Time: applid, userid, termid, tranid  
Program Name: module  
An attempt in module to delete records from an RRDS has failed.  
Explanation: An attempt to delete records from an RRDS in code written to support Java native methods used by the JCICS Java class library has failed.  
System Action: The system writes this message to the TD queue CCZM. A Java exception or error will be thrown.  
User Response: Add appropriate code to the application to catch the exception or error thrown by the JCICS Java class library.  
If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.  
Destination: CCZM  
Module: DFJCZDTC (DTCFile.c)  
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0218  
Date Time: applid, userid, termid, tranid  
Program Name: module  
A JNI call 'GetFieldID()' in module failed.  
Explanation: A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.  
System Action: The system writes this message to the TD queue CCZM and takes a system dump.  
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.  
Destination: CCZM  
Module: DFJCZDTC (DTCFile.c)  
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0220  
Date Time: applid, userid, termid, tranid  
Program Name: module  
A JNI call 'GetStringUTFChars()' in module failed.  
Explanation: A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.  
System Action: The system writes this message to the TD queue CCZM and takes a system dump.  
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.  
Destination: CCZM  
Module: DFJCZDTC (DTCFile.c)  
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0221  
Date Time: applid, userid, termid, tranid  
Program Name: module  
A NULL filename has been passed to a native method in module.  
Explanation: A NULL filename has been passed to a native method used by the JCICS Java class library.  
System Action: The system writes this message to the TD queue CCZM, and ignores the request.  
User Response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.  
If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.  
Destination: CCZM  
Module: DFJCZDTC (DTCFile.c)  
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0222  
Date Time: applid, userid, termid, tranid  
Program Name: module  
A JNI call 'GetStringUTFChars()' in module failed.  
Explanation: A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.  
System Action: The system writes this message to the TD queue CCZM and takes a system dump.  
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.  
Destination: CCZM  
Module: DFJCZDTC (DTCFile.c)  
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0223  
Date Time: applid, userid, termid, tranid  
Program Name: module  
A NULL filename has been passed to a native method in module.  
Explanation: A NULL filename has been passed to a native method used by the JCICS Java class library.  
System Action: The system writes this message to the TD queue CCZM and ignores the request.  
User Response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.  

DFHCZ0224

- If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

  **Destination:** CCZM
  **Module:** DFJCZDTC (DTCFile.c)
  **XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0224** date time applid termid tranid program name A JNI call 'GetStringUTFChars()' in module failed.

- **Explanation:** A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

- **System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

- **User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

  **Destination:** CCZM
  **Module:** DFJCZDTC (DTCFile.c)
  **XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0225** date time applid termid tranid program name A NULL key has been passed to a native method in module.

- **Explanation:** A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

- **System Action:** The system writes this message to the TD queue CCZM and ignores the request.

- **User Response:** Ensure that all relevant reset() methods executed against KeyedFileBrowse objects specify a valid key.

  - If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

  **Destination:** CCZM
  **Module:** DFJCZDTC (DTCFile.c)
  **XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0226** date time applid termid tranid program name A JNI call 'GetByteArrayElements()' in module failed.

- **Explanation:** A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

- **System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

- **User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

  **Destination:** CCZM
  **Module:** DFJCZDTC (DTCFile.c)
  **XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0227** date time applid termid tranid program name A NULL filename has been passed to a native method in module.

- **Explanation:** A NULL filename has been passed to a native method used by the JCICS Java class library.

- **System Action:** The system writes this message to the TD queue CCZM and ignores the request.

- **User Response:** Ensure that a valid file name has been specified using the setName() method for each relevant file object.

  - If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

  **Destination:** CCZM
  **Module:** DFJCZDTC (DTCFile.c)
  **XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0228** date time applid termid tranid program name A JNI call 'GetByteArrayElements()' in module failed.

- **Explanation:** A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

- **System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

- **User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

  **Destination:** CCZM
  **Module:** DFJCZDTC (DTCFile.c)
  **XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0229** date time applid termid tranid program name A JNI call 'GetByteArrayElements()' in module failed.

- **Explanation:** A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

- **System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

- **User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

  **Destination:** CCZM
  **Module:** DFJCZDTC (DTCFile.c)
  **XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0230** date time applid termid tranid program name An attempt to allocate storage in module failed.

- **Explanation:** An attempt to obtain storage, for use as a RIDFLD parameter, in code written to support Java native methods used by the JCICS Java class library has failed.

- **System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

- **User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
DFHCZ0231  date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, SysId)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCProgram.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0232  date time applid userid termid tranid program name JNI call 'GetStringUTFChars()' in module failed.

Explanation: A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCProgram.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0233  date time applid userid termid tranid program name A NULL filename has been passed to a native method in module.

Explanation: A NULL filename has been passed to a native method used by the JCICS Java class library.

System Action: The system writes this message to the TD queue CCZM and ignores the request.

User Response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCFile.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0234  date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, SysId)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCFile.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0235  date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, SysId)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCFile.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0236  date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, TransId)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, TransId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCProgram.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0237  date time applid userid termid tranid program name JNI call 'GetFieldID()' for 'DataLength.Length' in module failed.

Explanation: A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCProgram.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
**DFHCZ0238**

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

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**DFHCZ0239**

date time applid userid termid tranid program name JNI call 'FindClass()' in module failed.

Explanation: A JNI call, FindClass(), to find the class for EndOfProgramException, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

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**DFHCZ0240**

date time applid userid termid tranid program name JNI call 'FindClass()' in module failed.

Explanation: A JNI call, FindClass(), to find the class for TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

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**DFHCZ0241**

date time applid userid termid tranid program name JNI call 'ThrowNew()' in module failed.

Explanation: A JNI call, ThrowNew(), to throw a TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

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**DFHCZ0242**

date time applid userid termid tranid program name JNI call 'FindClass()' in module failed.

Explanation: A JNI call, FindClass(), to find the class for TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

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**DFHCZ0243**

date time applid userid termid tranid program name JNI call 'ThrowNew()' in module failed.

Explanation: A JNI call, ThrowNew(), to throw TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

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**DFHCZ0244**

date time applid userid termid tranid program name An attempt to issue an ASSIGN APPLID SYSID command in module has failed.

Explanation: Code written to support Java native methods used by the JCICS Java class library has unsuccessfully attempted to issue an ASSIGN APPLID(...) SYSID(...).

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
DFHCZ0245  date time applid userid termid tranid program name program name, module
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Explanation: A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0246  date time applid userid termid tranid program name program name, module
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Explanation: A JNI call, ThrowNew(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0247  date time applid userid termid tranid program name program name, module
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Display: 'malloc' in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0248  date time applid userid termid tranid program name program name, module
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Display: 'malloc' in module failed.

Explanation: A malloc in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0249  date time applid userid termid tranid program name program name, module
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, classnamen module

Display: 'FindClass(envp, classnamen module') in module failed.

Explanation: A JNI call, FindClass(), for the named class in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCsupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, classnamen module

DFHCZ0250  date time applid userid termid tranid program name program name, module
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Display: 'malloc' in module failed.

Explanation: A malloc in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCsupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0253  date time applid userid termid tranid program name program name, module
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Display: 'NewByteArray()' in module failed.

Explanation: A JNI call, NewByteArray(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

DFHCZ0254

Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0254 date time applid userid termid tranid program name JNI call 'FindClass()' in module failed.
Explanation: A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0255 date time applid userid termid tranid program name JNI call 'ThrowNew()' in module failed.
Explanation: A JNI call, ThrowNew(), in code written to support Java native methods used by the JCICS Java class library has failed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0256 date time applid userid termid tranid program name JNI call 'GetFieldID()' failed in module.
Explanation: A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0257 date time applid userid termid tranid program name JNI call 'GetMethodID()' in module failed.
Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module
### DFHCZ0261
date time applid userid termid tranid program name name JNI call 'GetMethodID()' in module failed.

**Explanation:** A JNI call, GetMethodID(), to find the constructor for Conversation, in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

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### DFHCZ0262
date time applid userid termid tranid program name name JNI call 'FindClass()' in module failed.

**Explanation:** A JNI call, FindClass(), to find com/ibm/cics/server/Conversation, in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

---

### DFHCZ0263
date time applid userid termid tranid program name name An attempt to allocate storage in module failed.

**Explanation:** An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

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### DFHCZ0264
date time applid userid termid tranid program name name JNI call 'GetMetaVoidMethod()' in module failed.

**Explanation:** A JNI call, GetVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCSupport.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module
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<thead>
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<th>DFHCZ0269</th>
<th><strong>date applid userid termid tranid program name JNI</strong></th>
<th>call 'GetMethodID()' in module failed.</th>
</tr>
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<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
<td></td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
<td></td>
</tr>
<tr>
<td><strong>User Response:</strong></td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the <em>CICS Problem Determination Guide</em> for guidance on how to proceed.</td>
<td></td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>CCZM</td>
<td></td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFJCZDTC (DTCSupport.c)</td>
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<tr>
<td><strong>XMEOUT Parameters:</strong></td>
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<th><strong>date applid userid termid tranid program name JNI</strong></th>
<th>call 'CallVoidMethod()' in module failed.</th>
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<td><strong>Explanation:</strong></td>
<td>A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
<td></td>
</tr>
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<td><strong>System Action:</strong></td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
<td></td>
</tr>
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<td><strong>User Response:</strong></td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the <em>CICS Problem Determination Guide</em> for guidance on how to proceed.</td>
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<td><strong>Destination:</strong></td>
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<td><strong>Module:</strong></td>
<td>DFJCZDTC (DTCSupport.c)</td>
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<td><strong>XMEOUT Parameters:</strong></td>
<td>date, time, applid, userid, termid, tranid, program name, module</td>
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<th>DFHCZ0273</th>
<th><strong>date applid userid termid tranid program name JNI</strong></th>
<th>call 'GetMethodID()' in module failed.</th>
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<td><strong>Explanation:</strong></td>
<td>A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
<td></td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
<td></td>
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<td><strong>User Response:</strong></td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the <em>CICS Problem Determination Guide</em> for guidance on how to proceed.</td>
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<td><strong>Module:</strong></td>
<td>DFJCZDTC (DTCSupport.c)</td>
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<td><strong>XMEOUT Parameters:</strong></td>
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<th>call 'CallVoidMethod()' in module failed.</th>
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<td><strong>Explanation:</strong></td>
<td>A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
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</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
<td></td>
</tr>
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<td><strong>User Response:</strong></td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the <em>CICS Problem Determination Guide</em> for guidance on how to proceed.</td>
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</tr>
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<td><strong>Destination:</strong></td>
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<td><strong>Module:</strong></td>
<td>DFJCZDTC (DTCSupport.c)</td>
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<td><strong>XMEOUT Parameters:</strong></td>
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<th><strong>date applid userid termid tranid program name JNI</strong></th>
<th>call 'GetMethodID()' in module failed.</th>
</tr>
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<tr>
<td><strong>Explanation:</strong></td>
<td>A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
<td></td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
<td></td>
</tr>
<tr>
<td><strong>User Response:</strong></td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the <em>CICS Problem Determination Guide</em> for guidance on how to proceed.</td>
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<td><strong>Destination:</strong></td>
<td>CCZM</td>
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<td><strong>Module:</strong></td>
<td>DFJCZDTC (DTCSupport.c)</td>
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<td><strong>XMEOUT Parameters:</strong></td>
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</tbody>
</table>
XMEOUT Parameters: date, time, applid,userid, termid, tranid, program name, module

DFHCZ0276 date applid userid termid tranid program name JNI call 'CallVoidMethod()' in module failed.
Explanation: A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0277 date applid userid termid tranid program name JNI call 'GetMethodID()' in module failed.
Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0278 date applid userid termid tranid program name JNI call 'CallVoidMethod()' in module failed.
Explanation: A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0279 date applid userid termid tranid program name JNI call 'GetMethodID()' in module failed.
Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0280 date applid userid termid tranid program name JNI call 'NewObject()' in module failed.
Explanation: A JNI call, NewObject(), in code written to support Java native methods used by the JCICS Java class library has failed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0281 date applid userid termid tranid program name JNI call 'GetMethodID()' in module failed.
Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0282 date applid userid termid tranid program name JNI call 'FindClass()' in module failed.
Explanation: A JNI call, FindClass(), for com/ibm/cics/server/ConversationPrincipalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCSupport.c)
XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

Chapter 1. DFH messages
**DFHCZ0283**

<table>
<thead>
<tr>
<th>Date:</th>
<th>Message:</th>
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<tbody>
<tr>
<td>DFHCZ0283</td>
<td>date time applid userid termid tranid program name JNI call 'FindClass()' in module failed.</td>
</tr>
<tr>
<td>Explanation:</td>
<td>A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
</tr>
<tr>
<td>System Action:</td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
</tr>
<tr>
<td>User Response:</td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.</td>
</tr>
<tr>
<td>Destination:</td>
<td>CCZM</td>
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<td>DFJCZDTC (DTCSupport.c)</td>
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<td>XMEOUT Parameters:</td>
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**DFHCZ0285**

<table>
<thead>
<tr>
<th>Date:</th>
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<tbody>
<tr>
<td>DFHCZ0285</td>
<td>date time applid userid termid tranid program name JNI call 'GetMethodID()' in module failed.</td>
</tr>
<tr>
<td>Explanation:</td>
<td>A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
</tr>
<tr>
<td>System Action:</td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
</tr>
<tr>
<td>User Response:</td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.</td>
</tr>
<tr>
<td>Destination:</td>
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<tr>
<td>Module:</td>
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<td>XMEOUT Parameters:</td>
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**DFHCZ0286**

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<tbody>
<tr>
<td>DFHCZ0286</td>
<td>date time applid userid termid tranid program name JNI call 'NewObject()' in module failed.</td>
</tr>
<tr>
<td>Explanation:</td>
<td>A JNI call, NewObject(), in code written to support Java native methods used by the JCICS Java class library has failed.</td>
</tr>
<tr>
<td>System Action:</td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
</tr>
<tr>
<td>User Response:</td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.</td>
</tr>
<tr>
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**DFHCZ0287**

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<tr>
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<tr>
<td>DFHCZ0287</td>
<td>date time applid userid termid tranid program name An attempt to allocate storage in module failed.</td>
</tr>
<tr>
<td>Explanation:</td>
<td>An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.</td>
</tr>
<tr>
<td>System Action:</td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
</tr>
<tr>
<td>User Response:</td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.</td>
</tr>
<tr>
<td>Destination:</td>
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<tr>
<td>Module:</td>
<td>DFJCZDTC (DTCFile.c)</td>
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<td>XMEOUT Parameters:</td>
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**DFHCZ0288**

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<tr>
<td>DFHCZ0288</td>
<td>date time applid userid termid tranid program name An attempt to allocate storage in module failed.</td>
</tr>
<tr>
<td>Explanation:</td>
<td>An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.</td>
</tr>
<tr>
<td>System Action:</td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
</tr>
<tr>
<td>User Response:</td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.</td>
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<tr>
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<tr>
<td>Module:</td>
<td>DFJCZDTC (DTCFile.c)</td>
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**DFHCZ0289**

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<td>DFHCZ0289</td>
<td>date time applid userid termid tranid program name An attempt to allocate storage in module failed.</td>
</tr>
<tr>
<td>Explanation:</td>
<td>An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.</td>
</tr>
<tr>
<td>System Action:</td>
<td>The system writes this message to the TD queue CCZM and takes a system dump.</td>
</tr>
<tr>
<td>User Response:</td>
<td>If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.</td>
</tr>
<tr>
<td>Destination:</td>
<td>CCZM</td>
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<tr>
<td>Module:</td>
<td>DFJCZDTC (DTCFile.c)</td>
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<tr>
<td>XMEOUT Parameters:</td>
<td>date, time, applid, userid, termid, tranid, program name, module</td>
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XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0291** date time applid userid termid tranid program name JNI call 'GetMethodID()' in module failed.

**Explanation:** A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTask.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0294** date time applid userid termid tranid program name JNI call 'GetFieldID()' in module failed.

**Explanation:** A JNI call, GetFieldID() for transactionName, in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTask.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0295** date time applid userid termid tranid program name JNI call 'GetObjectClass()' in module failed.

**Explanation:** A JNI call, GetObjectClass(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTask.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0296** date time applid userid termid tranid program name JNI call 'GetFieldID()' in module failed.

**Explanation:** A JNI call, GetFieldID() for principalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTask.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0297** date time applid userid termid tranid program name JNI call 'GetFieldID()' in module failed.

**Explanation:** A JNI call, GetFieldID() for FCI, in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTask.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module
The system writes this message to the TD queue and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTask.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

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**Explanation:** A JNI call, GetStringUTFChars(envp, abcode), in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTask.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

---

**Explanation:** A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTask.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module
**Explanation:** A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTDQ.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module
**DFHCZ0324**

**Explanation:** A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTerminal.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

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**DFHCZ0325**

**Explanation:** A JNI call, GetMethodID() for the toBinary() method, in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTerminal.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

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**DFHCZ0326**

**Explanation:** A text array passed to the SEND_TEXT() method in code written to support Java native methods used by the JCICS Java class library was longer than 32767 bytes. The data has been truncated.

**System Action:** The system writes this message to the TD queue CCZM and sends the first 32767 bytes in the array.

**User Response:** Ensure that the length of text passed to the sendText() method does not exceed 32767.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTerminal.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

---

**DFHCZ0327**

**Explanation:** A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTerminal.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

---

**DFHCZ0328**

**Explanation:** A JNI call, GetMethodID() for the toBinary() method, in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTerminal.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

---

**DFHCZ0329**

**Explanation:** A JNI call, GetFieldID() for TERMCODE, in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTerminal.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

---

**DFHCZ0330**

**Explanation:** An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CCZM

**Module:** DFJCZDTC (DTCTerminal.c)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

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**DFHCZ0331**

**Explanation:** A JNI call, GetFieldID() for TERMNAME, in code written to support Java native methods used by the JCICS Java class library has failed.

**System Action:** The system writes this message to the TD queue CCZM and takes a system dump.

**User Response:** If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM
Module: DFJCZDTC (DTCTerminal.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0335 date time applid userid termid tranid program name An invalid value for item number was passed to the READITEM() method in module. The value passed was item_no .

Explanation: An invalid value for item number was passed to the readItem() method, in code written to support Java native methods used by the JCICS Java class library.
System Action: The system writes this message to the TD queue CCZM and ignores the request.
User Response: Ensure that the item number specified on the readItem() method of the appropriate TSQ Java object is in the range 0 - 32767.
If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCTSQ.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0336 date time applid userid termid tranid program name The Temporary Storage queue identified in the message has been truncated to 16 characters in the SETNAME() method in module.

Explanation: The Temporary Storage queue identified in the message has been truncated to 16 characters.
System Action: The system writes this message to the TD queue CCZM and continues with the request.
User Response: Ensure all TS queue names used in JCICS applications are 16 characters or less in length.
Destination: CCZM
Module: DFJCZDTC (DTCTSQ.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, tsqname, module

DFHCZ0337 date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, SysId)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CCZM
Module: DFJCZDTC (DTCTSQ.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

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XMEOUT Parameters:
Module: DFJCZDTC (DTCTSQ.c)
Destination: CCZM
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
Explanation: A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

XMEOUT Parameters:
Module: DFJCZDTC (StartRequest.c)
Destination: CCZM
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
Explanation: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

XMEOUT Parameters:
Module: DFJCZDTC (StartRequest.c)
Destination: CCZM
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
Explanation: An invalid value for item number was passed to the REWRITE() method in module. The value passed was item_no.

XMEOUT Parameters:
Module: DFJCZDTC (StartRequest.c)
Destination: CCZM
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
Explanation: An invalid value for item number was passed to the REWRITE() method in code written to support Java native methods used by the JCICS Java class library.

XMEOUT Parameters:
Module: DFJCZDTC (StartRequest.c)
Destination: CCZM
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
Explanation: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

XMEOUT Parameters:
Module: DFJCZDTC (StartRequest.c)
Destination: CCZM
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
Explanation: An invalid value for item number was passed to the REWRITE() method in module. The value passed was item_no.

XMEOUT Parameters:
Module: DFJCZDTC (StartRequest.c)
Destination: CCZM
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
Explanation: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

XMEOUT Parameters:
Module: DFJCZDTC (StartRequest.c)
Destination: CCZM
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
Explanation: An invalid value for item number was passed to the REWRITE() method in module. The value passed was item_no.

XMEOUT Parameters:
Module: DFJCZDTC (StartRequest.c)
Destination: CCZM
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
Explanation: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

XMEOUT Parameters:
Module: DFJCZDTC (StartRequest.c)
Destination: CCZM
User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
System Action: The system writes this message to the TD queue CCZM and takes a system dump.
Explanation: An invalid value for item number was passed to the REWRITE() method in module. The value passed was item_no.
Chapter 1. DFH messages

DFHCZ0349

DFHCZ0349 date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, SystId)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, SystId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0350 date time applid userid termid tranid program name JNI call 'GetStringUTFChars()' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, rTransaction), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0351 date time applid userid termid tranid program name JNI call 'GetStringUTFChars(envp, rTerminal)' in module failed.

Explanation: A JNI call, GetStringUTFChars(envp, rTerminal), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0352 date time applid userid termid tranid program name JNI call 'GetByteArrayElements()' in module failed.

Explanation: A JNI call, GetByteArrayElements(envp, data, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (SynchronizationResource.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0353 date time applid userid termid tranid program name JNI call 'GetByteArrayElements()' in module failed.

Explanation: A JNI call, GetByteArrayElements(envp, data, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (SynchronizationResource.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0354 date time applid userid termid tranid program name JNI call 'GetByteArrayElements()' in module failed.

Explanation: A JNI call, GetByteArrayElements(envp, CommArea, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (WrapperNative.c)

XMEOUT Parameters: date, time, applid, userid, termid, tranid, program name, module

DFHCZ0355 date time applid userid termid tranid program name JNI call 'NewByteArray(envp, Length)' in module failed.

Explanation: A JNI call, NewByteArray(envp, Length), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (WrapperNative.c)
**DFHCZ0356**

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, module

**DFHCZ0356**

date time applid userid termid tranid program name

non-CICS security manager of class className installed.

**Explanation:** The Environment constructor has been unable to install the CICS security manager because a non-CICS security manager of class className is installed.

**System Action:** The system writes this message to the TD queue CCZM.

**User Response:** The CICS security manager ensures for example that a Java program cannot issue the exit command. Check that the security manager you have installed is compatible with running a CICS Java program.

**Destination:** CCZM

**Module:** DFJCICS (com.ibm.cics.server.Environment.java)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, className

---

**DFHCZ0357**

date time applid userid termid tranid program name

Uncaught exception from application.

**Explanation:** The jcics Wrapper class has caught an InvocationTargetException. This occurs when the application throws, or doesn't catch, an exception. Details of the application exception are given in accompanying message DFHCZ0358.

**System Action:** The system writes this message to the TD queue CCZM.

**User Response:** Correct the problem and rerun the task.

**Destination:** CCZM

**Module:** DFJCICS (com.ibm.cics.server_WRAPPER._GenericFactoryImpl.java)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name

---

**DFHCZ0358**

date time applid userid termid tranid program name

Exception exception occurred invoking main method in class className.

**Explanation:** The jcics Wrapper class caught exception exception trying to invoke the main method in class className.

**System Action:** An exception trace entry is made and the task is abnormally terminated.

**User Response:** Correct the problem and rerun the task.

**Destination:** CCZM

**Module:** DFJCICS (com.ibm.cics.server.WRAPPER._GenericFactoryImpl.java)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name, exception, className

---

**DFHCZ0359**

date time applid userid termid tranid program name

Exception exception occurred creating object reference for class className.

**Explanation:** The _GenericFactoryImpl create_object method has caught exception exception issuing a
Class.forName(className).newInstance()

**System Action:** A CORBA NoFactory exception is returned to the client and the task terminates normally.

**User Response:** Correct the problem and reissue the request.

For a ClassNoResultException, check that a program with an appropriate package alias is in a PDSE available to CICS.

---

**DFHCZ0399**

termid tranid date time

COM.IBM.CICS.SERVER.WRAPPER - UNSATISFYEDLINKERROR LOADING library.

**Explanation:** An UnsatisfiedLinkError occurred trying to load the jcics native library com.ibm.cics.server.DTC.

**System Action:** An UnsatisfiedLinkError is thrown to the caller. The task is terminated abnormally.

**User Response:** If running in an ET/390 environment, check that PROGRAM DFJCZDTC, with alias libcom.ibm.cics_server.DTC.so, is in a PDSE available to CICS.

If running under the JVM, check that libcom.ibm.cics_server.DTC.so is in the libpath defined to CICS.

If the error condition persists, you will need assistance from IBM.

See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFJCICS (com.ibm.cics.server.WRAPPER._GenericFactoryImpl.java)

**XMEOUT Parameters:** date, time, applid, userid, termid, tranid, program name

---

**DFHDBxxxx**

The DFHDBxxxx messages are issued by the CICS-DB2 and CICS-DBCTL interfaces. Messages for the CICS-DB2 interface are in the range 2000-2999.

CICS-DB2 messages that are documented to be output to transient data destination CDB2, are in fact output to whatever destinations are specified in the MSGQUEUE1, MSGQUEUE2 and MSGQUEUE3 parameters of the DB2CONN. MSGQUEUE1 must be specified, and its default is CDB2. This manual documents the default destination.

**DFHDB2001**

date time applid CICS-DB2 resynchronization with db2id for unit of work 'X'uowid' cannot take place due to initial start of CICS.

**Explanation:** CICS cannot resolve the disposition of unit of work (UOW) uowid that DB2 subsystem db2id holds from a previous connection because CICS was initial started. A CICS initial start should be avoided when resynchronisation is outstanding. CICS cold, warm and emergency starts do not affect resynchronisation, which occurs automatically when CICS and DB2 are connected.
**DFHDB003** date time applid The CICS-DB2 attachment facility is already active.

**Explanation:** The CICS-DB2 attachment facility is already active and enabled to CICS.

**System Action:** The CICS-DB2 attachment facility initialization does not complete.

**User Response:** Only one CICS-DB2 attachment facility may be active in a CICS region.

**Destination:** CDB2 and Terminal End User

**Module:** DFHD2CM1

**XMEOUT Parameters:** date, time, applid

---

**DFHDB004** date time applid No threads were found for plan plan-name

**Explanation:** This message is in response to a CICS-DB2 attachment facility DSNC DISPLAY or DISCONNECT command. No threads were found using the specified plan name plan-name. The plan-name may be blank if a specific plan was not requested.

**System Action:** The CICS-DB2 attachment facility command is not processed.

**User Response:** Reenter the command with the correct plan name.

**Destination:** Terminal End User

**Module:** DFHD2CC

---

**DFHDB005** date time applid RCT does not contain transaction tran

**Explanation:** This message is in response to a CICS-DB2 attachment facility DSNC DISPLAY or MODIFY command. The transaction tran specified in the command was not found in the RCT. That is, there was no DB2TRAN defined for the transid, or the DB2TRAN referred to a DB2ENTRY that does not exist, or the case of the DISPLAY command, no threads were found for the transaction.

**System Action:** The CICS-DB2 attachment facility command is not processed.

**User Response:** Reenter the command with the correct transaction name.

**Destination:** Terminal End User

**Module:** DFHD2CM1

---

**DFHDB006** date time applid The dest destination ID is invalid.

**Explanation:** This message is in response to a CICS-DB2 attachment facility DSNC MODIFY DESTINATION command. The destination ID dest specified on the command to be modified is not one of the destinations currently defined in the DB2CONN as a message queue.

**System Action:** The CICS-DB2 attachment facility command is not processed.

**User Response:** Reenter the command with the correct destination ID.

**Destination:** Terminal End User

**Module:** DFHD2CM1

---

**DFHDB007** date time applid The command verb is missing or invalid.

**Explanation:** The CICS-DB2 attachment facility does not recognize the verb entered on the DSNC command.

**System Action:** The command is not processed.

**User Response:** Reenter the command with the correct syntax.

**Destination:** Terminal End User

**Module:** DFHD2CM1

---

**DFHDB008** date time applid Keyword missing or invalid.

**Explanation:** The CICS-DB2 attachment facility DSNC command contains an unknown positional keyword or a keyword is missing.

**System Action:** The command is not processed.

**User Response:** Reenter the command with the correct syntax.

**Destination:** Terminal End User

**Module:** DFHD2CM1

---

**DFHDB009** date time applid The value in the command is invalid.

**Explanation:** The numeric value in the DSNC modify command is invalid. The error is caused by one of the following:

- The value in the command is greater than 2000.
- The value in the command is greater than the TCBLIMIT specified in the DB2CONN.
- If the pool is being changed - for example, using transaction id CEPL - the value is less than 3.

**System Action:** The CICS-DB2 attachment facility command is not processed.

**User Response:** Reenter the command with a correct value.

**Destination:** Terminal End User

**Module:** DFHD2CM1

---

**DFHDB010** date time applid tranid Transaction abended because DB2 thread tcs are unavailable.

**Explanation:** The transaction was abnormally terminated because a DB2 thread TCB was not available on which to create a thread for the transaction.

**System Action:** The transaction is abnormally terminated.

**User Response:** Determine if more subtask TCBs should be made available to the CICS-DB2 connection by increasing the TCBLIMIT value of the DB2CONN. The TCBLIMIT value can be altered using a SET DB2CONN command.

**Destination:** CDB2
DFHDB2011

Module: DFHD2EX1

XMEOUT Parameters: date, time, applid, tranid

DFHDB2011 date time applid tranid Transaction abended
because threads are unavailable for resource
resname

Explanation: The transaction was abnormally terminated because
a thread connection to DB2 was not available for the transaction.
Resname identifies the name of the DB2ENTRY or the POOL from
which the thread was to be allocated. This error can occur when:

- The DB2ENTRY specifies Threadwait(no) and all threads are
currently being used.
- The DB2ENTRY specified Threadwait(pool), but the pool
definition within the DB2CONN specifies Threadwait(no), and
all threads are currently being used both in the DB2ENTRY
and the Pool.
- The transaction was using the pool directly, the pool specifies
Threadwait(no) and all pool threads are currently in use.

System Action: The transaction is abnormally terminated.

User Response: Determine if more threads can be made
available to the DB2ENTRY or the POOL by increasing the
THREADLIMIT value on the DB2ENTRY or the DB2CONN
respectively. The THREADLIMIT value can be increased using SET
DB2ENTRY and SET DB2CONN commands.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: date, time, applid, tranid, resname

DFHDB2012 date time applid Stop quiesce of the CICS-DB2
attachment facility from DB2 subsystem db2-id is
proceeding.

Explanation: A DSNC STOP command entered by the master
terminal operator is being processed. CICS is disconnected from
DB2 subsystem db2-id. When the disconnect is complete message
DFHDB2025 is output to the terminal.

System Action: New CICS transactions attempting to issue SQL
commands is abended or receives a negative SQL reason code
dependent on the CONNECTERROR setting in the DB2CONN
definition.

Existing transactions using the CICS-DB2 interface are allowed to
complete before the CICS-DB2 attachment facility is stopped.

User Response:
If the quiesce is not completed within an acceptable time period, a
DSNC STOP FORCE command should be issued from another
terminal.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2013 date time applid Display report follows for threads
accessing DB2 db2-id

Explanation: A CICS-DB2 attachment display plan or display tran
command was requested and the results follow this message. If not
blank, db2-id is the name of the DB2 subsystem involved.

The following information is displayed for each thread:

DB2ENTRY The name of the DB2ENTRY which contains the thread.

S The thread status. This will be "A" for an active thread
or "I" for an inactive thread. A thread is active if it has been
assigned to a task. To determine if a thread is
active in DB2, use the DB2 command "DISPLAY
THREAD."

PLAN The current plan name.

PRI-AUTH The DB2 primary authorization ID.

SEC-AUTH The DB2 secondary authorization ID.

CORRELATION The DB2 thread correlation ID.

For active threads only:

TRAN The CICS transaction ID.

TASK The CICS task number.

UOW-ID The CICS unit-of-work ID.

System Action: Processing continues normally.

User Response: None.

Destination: CDB2 and Terminal End User

Module: DFHD2CC

XMEOUT Parameters: date, time, applid, db2-id

DFHDB2014 date time applid Statistics report follows for
db2conn-name accessing DB2 db2-id

Explanation: A CICS-DB2 attachment facility statistics display
was requested and follows this message. The name of the
DB2CONN that is currently in use is db2conn-name and db2-id, if
not blank, is the name of the DB2 subsystem involved.
The following information is displayed for each DB2ENTRY and for
the command and pool sections of the DB2CONN:

- DB2ENTRY
  The name of the DB2ENTRY or "COMMAND" for the
  command section and "POOL" for the pool section.

- PLAN
  DB2 Plan name

- CALLS
  Total number of SQL calls made

- AUTHS
  Total number of sign-on invocations for transactions associated
  with this entry. A sign-on does not indicate whether a new
  thread is created or an existing thread reused. If a thread
  is reused a sign-on may occur dependent on the ACCOUNTREC
  setting of the DB2ENTRY.

- W/P
  Number of times all available threads for this entry were busy
  and the transaction had to wait or the thread request was
diverted to the POOL.

- HIGH
  Maximum number of concurrent threads required by
  transactions associated with this DB2ENTRY at any time since
  the CICS-DB2 attachment facility was started.

- ABORTS
  Total number of units of work that were rolled back.

- COMMITS
  One of the following two fields is incremented each time a DB2
  transaction associated with this DB2ENTRY takes an explicit or
  implicit (end of task) syncpoint.
- **1-PHASE**
  The total number of single-phase commits for transactions associated with this DB2ENTRY.

- **2-PHASE**
  The total number of two-phase commits for transactions associated with this DB2ENTRY.

**System Action:** Processing continues normally.

**User Response:** None.

**Destination:** CDB2 and Terminal End User

**Module:** DFHD2CC

**XMEOUT Parameters:** date, time, applid, db2-id

**DFHDB2015** date time applid The CICS-DB2 attachment facility is in standby for DB2 subsystem db2-id

**Explanation:** The CICS-DB2 attachment facility has dropped into standby mode because DB2 subsystem db2-id has stopped and STANDBYMODE=RECONNECT was specified in the DB2CONN.

**System Action:** The CICS-DB2 attachment facility waits for the DB2 subsystem to become active again, at which time it automatically reconnects. While in standby mode, all SQL requests receive a negative SQLCODE or an AEY9 abend depending on whether CONNECTERROR=SQLCODE or CONNECTERROR=ABEND was specified in the DB2CONN.

**User Response:** Notify the system programmer.

**Destination:** Console and Transient Data Queue CDB2

**Module:** DFHD2TM

**XMEOUT Parameters:** date, time, applid, db2-id

**DFHDB2016** date time applid The connection of CICS to DB2 subsystem db2-id failed with reason X'reason-code'

**Explanation:** The CICS-DB2 attachment facility startup cannot complete because an error occurred while connecting with DB2 subsystem db2-id. The response from DB2 was reason-code.

**System Action:** The CICS-DB2 attachment facility initialization does not complete.

**User Response:** Analyze the DB2 reason code given and any prior messages issued to the attachment error destination or CDB2 TS queues to determine the source of the error. Some possible causes include:

- incorrect DB2 subsystem specified
- the DB2 subsystem was not initialized during MVS IPL processing.

**Destination:** CDB2

**Modules:** DFHD2STR, DFHD2CM1

**XMEOUT Parameters:** date, time, applid, db2-id, X'reason-code'

**DFHDB2018** date time applid db2-id DB2 subsystem is not active.

**Explanation:** The CICS-DB2 attachment facility startup cannot complete because the db2-id subsystem is not active.

**System Action:** The CICS-DB2 attachment facility stops.

**User Response:** Restart the CICS-DB2 attachment facility after starting DB2.

**Destination:** CDB2

**Modules:** DFHD2STR, DFHD2CM1

**DFHDB2019** date time applid The modify command is complete.

**Explanation:** The DSNC MODIFY command completed successfully.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHD2CM1

**DFHDB2020** date time applid The display command is complete.

**Explanation:** The DSNC DISPLAY command completed successfully.

**System Action:** Processing continues normally.

**User Response:** None.

**Destination:** CDB2 and Terminal End User

**Module:** DFHD2CC

**DFHDB2021** date time applid The disconnect command is complete.

**Explanation:** The DSNC DISCONNECT command completed successfully.

**System Action:** Processing continues normally.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHD2CC

**DFHDB2022** date time applid Stop force of the CICS-DB2 attachment facility from db2-id is proceeding.

**Explanation:** A DSNC STOP FORCE command entered by the master terminal operator is being processed. CICS will be disconnected from DB2 subsystem db2-id. When the disconnect is complete, message DFHDB2025 is output to the terminal.

**System Action:** New CICS transactions attempting to issue SQL commands are abended or receive a negative SQL reason code dependent upon the CONNECTERROR setting in the DB2CONN definition.

Existing transactions using the CICS-DB2 interface will be force purged.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHD2CM1

**DFHDB2023** date time applid The CICS-DB2 attachment has connected to DB2 subsystem db2-id

**Explanation:** The CICS-DB2 attachment facility startup has successfully connected to the db2-id subsystem.

**System Action:** The CICS-DB2 attachment facility is active.

**User Response:** None. You can suppress this message with the SIT parameter, MSG_LVL = 0.

**Destination:** Console and Transient Data Queue CDB2 and Terminal End User
DFHDB2025I

Modules: DFHD2STR, DFHD2CM1
XMEOUT Parameters: date, time, applid, db2-id

DFHDB2025I date time applid The CICS-DB2 attachment has disconnected from DB2 subsystem db2-id
Explanation: The CICS-DB2 attachment facility has successfully disconnected from the db2-id subsystem.
System Action: The CICS-DB2 attachment facility is inactive.
User Response: None. You can suppress this message with the SIT parameter, MSGGLVL = 0.
Destination: Console and Transient Data Queue CDB2 and Terminal End User
Modules: DFHD2STP, DFHD2CM1
XMEOUT Parameters: date, time, applid, db2-id

DFHDB2027 date time applid CICS-DB2 attachment is shutting down. DSNC DB2 commands may not be entered.
Explanation: The CICS-DB2 attachment facility cannot accept commands directed to DB2 during or after the termination of the CICS-DB2 attachment facility.
System Action: The command is rejected.
User Response: Issue the command via the DB2 console instead.
Destination: Terminal End User
Module: DFHD2CM1

DFHDB2028 date time applid The user is not authorised to issue DB2 commands via DSNC.
Explanation: DB2 rejected the command request during sign-on of the user. Therefore, the user is assumed not to be authorised for the requested function in the command.
System Action: The command is rejected.
User Response: Notify the system programmer.
Destination: Terminal End User
Module: DFHD2CM1

DFHDB2029 date time applid tranid DB2 command failed with IFCARC1=rc, IFCARC2=X'reason-code'
Explanation: The DB2 command submitted by transaction received IFI return code rc and reason code reason-code
System Action: The command processing stops.
User Response: Refer to the DB2 Messages and Codes for a description of the rc and reason-code.
Destination: CDB2
Module: DFHD2CM1
XMEOUT Parameters: date, time, applid, tranid, rc, X'reason-code'

DFHDB2031 date time applid CICS-DB2 command is invalid. No DB2CONN is installed.
Explanation: A DSNC command cannot be executed as there is no DB2CONN installed. For all DSNC commands (including the STRT command) a DB2CONN definition must be installed before issuing the command. CICS no longer supports running with a macro RCT. All macro RCTs should be migrated to the CSD and the resulting definitions installed before attempting to startup the CICS-DB2 Attachment Facility.
Likewise a CEMT or EXEC CICS SET DB2CONN CONNECTED command cannot be issued to startup the CICS-DB2 Attachment Facility if no DB2CONN definition is installed.
System Action: The command is rejected.
User Response: Install the necessary DB2CONN. The command can then be re-issued.
Destination: CDB2 and Terminal End User
Modules: DFHD2CM1, DFHD2STR
XMEOUT Parameters: date, time, applid

DFHDB2032 date time applid Alternate destination display command complete.
Explanation: The DSNC DISPLAY command to an alternate destination is complete. The output should be available at the requested destination.
System Action: Processing continues normally.
User Response: None.
Destination: CDB2 and Terminal End User
Module: DFHD2CC
XMEOUT Parameters: date, time, applid

DFHDB2033 applid Terminal termid is not supported by BMS or is invalid.
Explanation: This message is issued in response to a CICS-DB2 attachment facility command, or DB2 command that requested an alternative destination for the response. CICS basic mapping support (BMS) encountered an error while routing to the requested terminal named termid.
System Action: Output from the command may be suppressed.
User Response: Ensure that the terminal ID was correctly entered. Otherwise notify the system programmer. This message may occur if the destination device is not supported by BMS, or is not defined to CICS.
Destination: Console and Terminal End User
Module: DFHD2CC
XMEOUT Parameters: applid, termid

DFHDB2035 date time applid Indoubt resolution for Unit of Work X'uowid' is incomplete for DB2 subsystem db2id
Explanation: CICS indicates that recovery should not be required for uowid but DB2 subsystem db2id is indoubt.
System Action: The CICS is connected to DB2 but the UOW remains indoubt in DB2.
User Response: The indoubt UOW will have to be resolved manually using DB2 -DISPLAY THREAD and -RECOVER INDOUBT operator commands. You need further assistance from
IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CDB2
**Module:** DFHD2EX1
**XMEOUT Parameters:** date, time, applid, X’uowid’, db2id

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**DFHDB2037** date time applid DB2 subsystem db2-id is not active. The CICS-DB2 attachment facility is waiting.

**Explanation:** The CICS-DB2 attachment facility is waiting for notification from the db2-id subsystem that it is active. The CICS-DB2 attachment facility will complete initialization after DB2 has started.

**System Action:** The CICS-DB2 attachment facility waits to complete the start process.

**User Response:** Notify the system programmer that the DB2 subsystem requires starting.

**Destination:** Console and Transient Data Queue CDB2 and Terminal End User
**Module:** DFHD2STR,DFHD2CM1
**XMEOUT Parameters:** date, time, applid, db2-id

---

**DFHDB2038** date time applid The command is invalid while waiting for db2id

**Explanation:** The CICS-DB2 attachment facility cannot accept commands directed to DB2 while it is waiting for the DB2 subsystem to start. The name of the DB2 subsystem that is not yet operational is db2id.

**System Action:** The command is rejected.

**User Response:** Re-issue the command when DB2 has been started and the attachment facility has connected to DB2.

**Destination:** Terminal End User
**Module:** DFHD2CM1

---

**DFHDB2039** date time applid The error destinations are: dest1 dest2 dest3.

**Explanation:** This message is in response to a CICS-DB2 attachment facility DSNC MODIFY DESTINATION command and lists the currently active message destinations known to the attachment facility. Null entries show as "****" and can be modified so they identify actual destinations.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** Terminal End User
**Module:** DFHD2CM1

---

**DFHDB2040** date time applid tranid Module modname could not be found.

**Explanation:** During the CICS-DB2 attachment facility initialization, an attempt was made to locate and load the named module, but it was not found in any of the libraries accessible to MVS through the MVS LOAD macro.

**System Action:** The CICS-DB2 attachment facility initialization does not complete.

**User Response:** Check the CICS JOBLIB/STEPLIB and ensure that the CICS SDFAUTH library is defined there and contains the named module.

**Destination:** CDB2
**Module:** DFHD2STR
**XMEOUT Parameters:** date, time, applid, tranid, modname

---

**DFHDB2041** date time applid No active threads found.

**Explanation:** A DSNC DISPLAY TRANSACTION or DSNC DISPLAY PLAN command was entered, but there were no active threads found. The CICS-DB2 attachment facility might have identified and signed on some subtasks, but a create thread was not issued for any of the subtasks. Likewise, threads may have been created previously on the subtasks but were subsequently terminated when there were no more DB2 requests to service.

**System Action:** Processing continues normally.

**User Response:** None.

**Destination:** Terminal End User
**Module:** DFHD2CC

---

**DFHDB2042** date time applid Connection not authorized to db2-id

**Explanation:** The attempt to connect to the db2-id DB2 subsystem failed because the user was not authorized to access DB2. Authorization was denied by either RACF or a user-written connection exit.

**System Action:** The CICS-DB2 attachment does not connect to DB2.

**User Response:** The userid specified on the CICS job was not authorized to connect to the named DB2 subsystem. Refer to the DB2 Administration Guide for information on how to authorize a user to access DB2.

**Destination:** CDB2
**Module:** DFHD2STR
**XMEOUT Parameters:** date, time, applid, db2-id

---

**DFHDB2044** date time applid Authorization parameters for rename have been corrupted.

**Explanation:** The CICS-DB2 attachment facility detected that the AUTHTYPE or AUTHID parameters for rename have been corrupted since it was last installed or updated by a SET command. Rename is the name of the DB2ENTRY involved, or it is set to ‘POOL’ or ‘COMMAND’ if it is the pool or command thread authorizations of the DB2CONN that are involved.

**System Action:** The transaction is abnormally terminated.

**User Response:** If it is a DB2ENTRY involved, the DB2ENTRY needs to be reinstalled, or the AUTHID or AUTHTYPE parameters reset using a SET command to make the DB2ENTRY usable. For pool or command thread authorizations, a SET DB2CONN command needs to be issued to reset the AUTHID or AUTHTYPE parameters, or the DB2CONN needs to be reinstalled. Note however that a DB2CONN cannot be re-installed without stopping the CICS-DB2 attachment facility first.

**Destination:** CDB2
**Module:** DFHD2EX1
**XMEOUT Parameters:** date, time, applid, rename

---
**DFHDB2045**

date time applid Resource Manager miname is unknown to the CICS-DB2 Attachment facility.

**Explanation:** The CICS-DB2 Attachment facility received a request for a resource manager with entryname miname. This resource name is not known by the CICS-DB2 attachment facility.

**System Action:** The transaction is abnormally terminated with abend code AD21. A CICS system dump is taken.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CDB2

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time, applid, miname

**DFHDB2048**
date time applid Unable to interpret SQL call while formatting an EDF display for transaction transid task taskid

**Explanation:** The CICS attachment facility was unable to call its EDF processor DFHD2EDF or the CICS attachment facility was unable to decipher storage associated with an SQL statement for CICS transaction transid and task taskid. Either the SQL communications area (SQLCA) or the RDS input parameter list (RDI) storage could not be interpreted by the CICS-DB2 attachment facility.

**System Action:** If the CICS attachment facility was unable to call its EDF processor DFHD2EDF and a transaction dump is taken with dump code AD29.

If DFHD2EDF was called but it was unable to decipher storage, a transaction dump of the storage in question is taken with dump code AD22.

**User Response:** For an AD29 dump, analyze the trace in the CICS transaction dump to determine why the call to DFHD2EDF failed. For an AD22 dump, analyze the CICS transaction dump of the storage in question. In this situation the information supplied by the Execution Diagnostic Facility (EDF) of CICS for SQL statements consists of:

- The EDF status: ABOUT TO EXECUTE or COMMAND EXECUTION COMPLETE
- The processing status: CALL TO RESOURCE MANAGER DSNCSQL
- The ARG values associated with this call to the CICS-DB2 attachment facility

No other information is provided about the SQL statement.

**Destination:** CDB2

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time, applid, transid, taskid

**DFHDB2049**
date time applid CICS-DB2 resynchronization for db2-id Unit of Work X'uowid' failed with reason code X'reason-code'

**Explanation:** A resolve indoubt request passed to DB2 from CICS for Unit of Work uowid failed with DB2 reason code reason-code. The DB2 subsystem involved is db2id.

**System Action:** The UOW remains indoubt in DB2 and CICS keeps hold of the UOW disposition. A CICS system dump is taken with dumpcode 00C30003.

**User Response:** Use the reason code to determine why the resolve indoubt request failed.

**Destination:** Console and Transient Data Queue CDB2

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time, applid, db2-id, X'uowid', X'reason-code'

**DFHDB2050**
date time applid transid termid Abend abcode has occurred in dynamic plan exit program programe

**Explanation:** Dynamic plan exit program programe has abnormally terminated with abend code abcode.

**System Action:** Normal transaction abend processing continues.

**User Response:** See the description of abend code abcode for further guidance.

If the code is not a CICS transaction abend code, it is a user abend code. Request an explanation from the programmer responsible for this area.

**Destination:** CDB2

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time, applid, transid, termid, abcode, programe

**DFHDB2051**
date time applid transid termid Abend abcode in DFHD2EX1 - Dynamic plan exit program programe must be AMODE 31.

**Explanation:** The CICS-DB2 attachment facility has failed to link to dynamic plan exit program programe because it is not link edited AMODE 31.

**System Action:** Normal transaction abend processing continues.

**User Response:** Relinked the dynamic plan exit program AMODE 31.

**Destination:** CDB2

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time, applid, transid, termid, abcode, programe

**DFHDB2053**
date time applid transid termid Abend abcode in DFHD2EX1 - Dynamic plan exit program programe is disabled.

**Explanation:** The CICS-DB2 attachment facility has failed to link to dynamic plan exit program programe because it is disabled.

**System Action:** Normal transaction abend processing continues.

**User Response:** Enable the dynamic plan exit program.

**Destination:** CDB2

**Module:** DFHD2EX1

**XMEOUT Parameters:** date, time, applid, transid, termid, abcode, programe

**DFHDB2054**
date time applid transid termid Abend abcode in DFHD2EX1 - Link to the dynamic plan exit programe failed.

**Explanation:** An unexpected return code was returned from the link to the dynamic plan exit program programe by the CICS-DB2 attachment facility.

**System Action:** Normal transaction abend processing continues.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Chapter 1. DFH messages

DFHDB2055  DFHDB2061  DFHDB2058  DFHDB2057  DFHDB2056  DFHDB2055

DFHDB2055  time applid Single phase commit failed with
reason code 'reason-code' for transaction taskid

Explanation: CICS requested a single-phase commit from DB2,
but DB2 was unable to comply. The request failed with DB2 reason
code 'reason-code'.

System Action: The CICS-DB2 attachment facility abnormally
terminates the transaction with abend code AD2W. CICS recovery
manager will supersede the AD2W abend code with abend code
ASPR.

User Response: You need further assistance from IBM to resolve
this problem. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Destination: CDB2
Module: DFHD2EX1
XMEOUT Parameters: date, time, applid, transid, termid, abcode,
progrand

DFHDB2056  date time applid Authorization failure starting the
CICS-DB2 attachment with RESP=xxxx and
RESP2=yyyy

Explanation: An authorization error occurred when starting the
CICS-DB2 attachment. The SET DB2CONN CONNECTED
responses for RESP (xxxx) and RESP2 (yyyy) indicate the specific
error.

System Action: The CICS-DB2 attachment initialization does not
complete.

User Response: Ensure that the DSNC transaction definition in
group DFHDB2 is the installed definition.

Destination: CDB2
Module: DFHD2CM1
XMEOUT Parameters: date, time, applid, xxxx, yyyy

DFHDB2057  date time applid tranid termid Abend abcode in
DFHDB2EX1 - PPT entry for dynamic plan exit
program progradname was not found.

Explanation: CICS was unable to find a PPT entry for the
dynamic plan exit program progradname.

System Action: Normal transaction abend processing continues.

User Response: Ensure that the dynamic plan exit program
prograndname has been correctly defined to CICS.

Destination: CDB2
Module: DFHD2EX1
XMEOUT Parameters: date, time, applid, tranid, termid, abcode,
progrand

DFHDB2058  date time applid tranid termid Abend abcode in
DFHDB2EX1 - Fetch for dynamic plan exit program
prograndname failed.

Explanation: CICS was unable to load the dynamic plan exit
program prograndname.

System Action: Normal transaction abend processing continues.

User Response: Ensure that the dynamic plan exit program
prograndname has been correctly defined and is in a load library
accessible to CICS.

Destination: CDB2
Module: DFHD2EX1
XMEOUT Parameters: date, time, applid, tranid, termid, abcode,
progrand

DFHDB2059  date time applid The INITPARM specified for the
CICS-DB2 attachment is invalid. The attachment
facility cannot start.

Explanation: The initparm for the CICS-DB2 attachment facility is
not in the correct format. The format of the INITPARM should be:

INITPARM=(DFHD2INI='yyyy')

where yyyy is a one to four character DB2 subsystem id. CICS no
longer supports running with a macro RCT, so an RCT suffix
should not be specified in the initparm string.

System Action: The CICS-DB2 attachment facility initialization
does not complete.

User Response: Correct the INITPARM and restart the CICS
region, or specify a DB2 subsystem id on a DSNC STRT command
or in the DB2CONN. INITPARM is only used when the DB2CONN
definition does not contain a DB2ID and a DB2ID is not specified
on the startup command.

Destination: CDB2
Module: DFHD2STR, DFHD2CM1
XMEOUT Parameters: date, time, applid

DFHDB2060  date time applid The CICS-DB2 attachment

Explanation: The CICS-DB2 attachment facility initialization
does not complete.

User Response: Correct the INITPARM and restart the CICS
region, or specify a DB2 subsystem id on a DSNC STRT command
or in the DB2CONN. INITPARM is only used when the DB2CONN
definition does not contain a DB2ID and a DB2ID is not specified
on the startup command.

Destination: CDB2
Module: DFHD2STR, DFHD2CM1
XMEOUT Parameters: date, time, applid

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DFHDB2067  date time applid The CICS-DB2 attachment facility is already inactive.

Explanation: A DSNC STOP command or an EXEC CICS SET DB2CONN NOTCONNECTED command was issued when the CICS-DB2 interface was already inactive.

System Action: The CICS-DB2 attachment facility stop processing is ended.

User Response: If this was unexpected, examine earlier messages to determine why the CICS-DB2 attachment facility is inactive.

Destination: CDB2 and Terminal End User

Module: DFHD2STP

XMEOUT Parameters: date, time, applid

DFHDB2068  applid Send text command to terminal termid failed with eibresp 'X'eibresp'.

Explanation: While processing a DSNC command, an EXEC CICS SEND TEXT command to terminal termid failed with EIBRESP eibresp.

System Action: Processing of the command terminates.

User Response: Examine the eibresp value eibresp to determine why the SEND TEXT command failed.

Destination: Console and Terminal End User

Module: DFHD2CC

XMEOUT Parameters: applid, termid, X'eibresp'

DFHDB2069  applid Send page command to terminal termid failed with eibresp 'X'eibresp'.

Explanation: While processing a DSNC command, an EXEC CICS SEND PAGE command to terminal termid failed with EIBRESP eibresp.

System Action: Processing of the command terminates.

User Response: Examine the eibresp value eibresp to determine why the SEND PAGE command failed.

Destination: Console and Terminal End User

Module: DFHD2CC

XMEOUT Parameters: applid, termid, X'eibresp'

DFHDB2070  date time applid Syncpoint rollback failed for transaction transid with eibresp2 'X'eibresp2'.

Explanation: DB2 detected a deadlock and the CICS-DB2 attachment facility attempted a syncpoint rollback command for transaction transid because DROLLBACK(YES) was specified for the DB2ENTRY or POOL. The syncpoint rollback command failed with EIBRESP2 set to eibresp2.

System Action: The transaction is abnormally terminated with abend code AD2Z.

User Response: Examine the eibresp2 value eibresp2 to determine why the syncpoint rollback request failed. One possible reason could be that the transaction running is a DPL server transaction which was DPLed to by a client transaction without specifying the SYNCONRETURN parameter. In this case syncpoints or syncpoint rollbacks cannot be taken by the server transaction, so DROLLBACK(YES) is invalid in this case.

Destination: CDB2

Module: DFHD2EX1

DFHDB2071  date time applid The first error destination cannot be null.

Explanation: This message is in response to a CICS-DB2 attachment facility command DSNC MODIFY DESTINATION command. An attempt was made to nullify the first error destination by setting it to "***". The CICS-DB2 attachment facility does not allow a null first error destination. The second and third error destinations may be nullified.

System Action: The CICS-DB2 attachment facility command is not processed.

User Response: Re-enter the command with a correct destination ID.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2072  date time applid Transaction transid , task tasknum has been directed to the pool as DB2ENTRY db2ename is disabled.

Explanation: Transaction transid is associated with DB2ENTRY db2ename. However DB2ENTRY db2ename is disabled or disabling and the DISABLEDACT keyword on the DB2ENTRY specifies that new work should be directed to the pool.

System Action: The transaction will use a DB2 thread from the pool.

This message is output for each task that attempts to use the disabled DB2ENTRY.

User Response: Determine why the DB2ENTRY has been disabled. If appropriate re-enable the DB2ENTRY.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: date, time, applid, transid, tasknum, db2ename

DFHDB2073  date time applid Transaction transid has been directed to the pool as DB2TRAN db2tname refers to DB2ENTRY db2ename which is not installed.

Explanation: Transaction transid is associated with DB2TRAN db2tname which is turn refers to DB2ENTRY db2ename. However DB2ENTRY db2ename is not installed in the CICS system. The DB2TRAN db2tname is an ‘orphan’ in that it refers to a DB2ENTRY that does not exist. A DB2TRAN cannot be installed unless its associated DB2ENTRY has been installed first. Hence either the DB2ENTRY has subsequently been discarded or the DB2TRAN modified by a SET command to refer to a non existent DB2ENTRY.

System Action: The transaction will use a DB2 thread from the pool.

This message is output only when an attempt is made to locate a DB2ENTRY for the transaction. Having decided to use the pool, the CICS-DB2 attachment facility will use the pool for all subsequent transactions of the same name without locating the DB2ENTRY each time. When any DB2TRAN or DB2ENTRY is installed or modified will this force a relocate of the DB2ENTRY next time the transaction is run.

User Response: Determine why the DB2ENTRY is not installed. If appropriate re-install the DB2ENTRY.

Destination: CDB2

Module: DFHD2EX1
**DFHDB2074**  

date time applid  
CICS-DB2 Attachment facility  
startup cannot proceed as the currently installed  
DB2CONN is not useable.  

**Explanation:** The CICS-DB2 Attachment facility detected that the  
currently installed DB2CONN is marked for discard. This implies  
that a previous discard of the DB2CONN did not complete  
successfully. A discard of a DB2CONN involves CICS discarding all  
DB2TRANs and DB2ENTRYs first before discarding the  
DB2CONN. The discard request failed before finally deleting the  
DB2CONN.  

**System Action:** Startup of the CICS-DB2 interface does not  
complete.  

**User Response:** If an RDO-defined RCT is being used, re-issue  
the discard for the DB2CONN. When it has been successfully  
discarded, re-install the required DB2CONN, DB2ENTRYs and  
DB2TRANs and then retry the startup of the CICS-DB2 interface.  
If a macro RCT is to be used, issue a discard for the current  
DB2CONN and then retry the startup of the CICS-DB2 interface.  

**Destination:** CDB2 and Terminal End User  

**Module:** DFHD2STR  

**XMEOUT Parameters:** date, time, applid  

---  

**DFHDB2100**  
applid Program DFHD2RP cannot be found.  

**Explanation:** CICS cannot link to the CICS/DB2 restart program  
(DFHD2RP).  

CICS cannot find DFHD2RP in any data set concatenated in the  
DFHRPL DD statement in the CICS startup job stream.  

**System Action:** CICS initialization terminates with message  
DFHSI1521 and a dump is taken.  

**User Response:** To correct this error, place DFHD2RP in a  
partitioned data set in the DFHRPL DD statement.  

**Destination:** Console  

**Module:** DFHD2IN2  

**XMEOUT Parameter:** applid  

---  

**DFHDB2101**  
date time applid userid tranid DB2CONN  
db2conn-name has been added.  

**Explanation:** This is an audit log message indicating that  
DB2CONN dan db2conn-name has been added to the CICS system  
using the INSTALL command or EXEC CICS CREATE. Where:  

- terminal is the netname or termid of the terminal associated  
with the transaction issuing the message. If there is no  
terminal associated with the transaction, the terminal name is  
suppressed.  
- userid is the user identifier of the user associated with the  
transaction issuing the message.  
- tranid is the transaction issuing the message.  

There can be only one DB2CONN installed in the CICS system at  
a time. A DB2CONN is the minimum required for an RCT.  

**System Action:** The system continues normally.  

**User Response:** None.  

**Destination:** CDB2  

**Module:** DFHD2TM  

**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid,  
db2conn-name  

---  

**DFHDB2102**  
date time applid terminal userid tranid DB2CONN  
db2conn-name has been replaced.  

**Explanation:** This is an audit log message indicating that  
DB2CONN db2conn-name has been replaced in the RCT using the  
INSTALL command or EXEC CICS CREATE. Where:  

- terminal is the netname or termid of the terminal associated  
with the transaction issuing the message. If there is no  
terminal associated with the transaction, the terminal name is  
suppressed.  
- userid is the user identifier of the user associated with the  
transaction issuing the message.  
- tranid is the transaction issuing the message.  

**System Action:** The system continues normally.  

**User Response:** None.  

**Destination:** CDB2  

**Module:** DFHD2TM  

**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid,  
db2conn-name  

---  

**DFHDB2103**  
date time applid terminal userid tranid DB2CONN  
db2conn-name has been deleted.  

**Explanation:** This is an audit log message indicating that  
DB2CONN db2conn-name has been deleted from the CICS system  
using the DISCARD command. Where:  

- terminal is the netname or termid of the terminal associated  
with the transaction issuing the message. If there is no  
terminal associated with the transaction, the terminal name is  
suppressed.  
- userid is the user identifier of the user associated with the  
transaction issuing the message.  
- tranid is the transaction issuing the message.  

Deleting of a DB2CONN means that the whole RCT is deleted.  
This message will have been preceded by messages indicating the  
deletion of any currently installed DB2ENTRYs and DB2TRANs  
which by definition are always associated with the currently  
installed DB2CONN.  

**System Action:** The system continues normally.  

**User Response:** None.  

**Destination:** CDB2  

**Module:** DFHD2TM  

**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid,  
db2conn-name  

---  

**DFHDB2104**  
date time applid terminal userid tranid DB2ENTRY  
db2entry-name has been added.  

**Explanation:** This is an audit log message indicating that  
DB2ENTRY db2entry-name has been added to the CICS system  
using the INSTALL command or EXEC CICS CREATE. Where:  

- terminal is the netname or termid of the terminal associated  
with the transaction issuing the message. If there is no  
terminal associated with the transaction, the terminal name is  
suppressed.  
- userid is the user identifier of the user associated with the  
transaction issuing the message.
DFHDB2105

db2entry-name is the transaction issuing the message.

**System Action:** The system continues normally.
**User Response:** None.
**Destination:** CDB2
**Module:** DFHD2TM
**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid, db2entry-name

---

### DFHDB2105 date time applid terminal userid tranid DB2ENTRY DB2ENTRY

db2entry-name has been replaced.

**Explanation:** This is an audit log message indicating that DB2ENTRY db2entry-name has been replaced in the RCT using the INSTALL command or EXEC CICS CREATE. Where:

- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.

**System Action:** The system continues normally.
**User Response:** None.
**Destination:** CDB2
**Module:** DFHD2TM
**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid, db2entry-name

---

### DFHDB2106 date time applid terminal userid tranid DB2ENTRY DB2ENTRY

db2entry-name has been deleted.

**Explanation:** This is an audit log message indicating that DB2ENTRY db2entry-name has been deleted from the CICS system using the DISCARD command. Where:

- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.

**System Action:** The system continues normally.
**User Response:** None.
**Destination:** CDB2
**Module:** DFHD2TM
**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid, db2entry-name

---

### DFHDB2107 date time applid terminal userid tranid DB2TRAN DB2TRAN

db2tran-name has been added.

**Explanation:** This is an audit log message indicating that DB2TRAN db2tran-name has been added to the CICS system using the INSTALL command or EXEC CICS CREATE. Where:

- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.

**System Action:** The system continues normally.
**User Response:** None.
**Destination:** CDB2
**Module:** DFHD2TM
**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid, db2tran-name
DFHDB2207 date time applid Load error rc abend-code for module modname
Explanation: Error rc with abend-code occurred when the CICS-DB2 attachment facility initialization attempted to use the MVS LOAD macro to load module modname.
System Action: The CICS-DB2 attachment initialization does not complete.
User Response: Resolve the problem indicated by the LOAD return code and abend code.
Destination: CDB2
Module: DFHD2STR
XMEOUT Parameters: date, time, applid, rc, abend-code, modname

DFHDB2208 date time applid Delete error rc for module modname
Explanation: Error rc occurred when the CICS-DB2 attachment facility attempted to use the MVS DELETE macro to delete module modname during shutdown of the CICS-DB2 interface.
System Action: The CICS-DB2 attachment shutdown continues.
User Response: Resolve the problem indicated by the DELETE return code.
Destination: CDB2
Module: DFHD2STP
XMEOUT Parameters: date, time, applid, rc, modname

DFHDB2210 date time applid DB2 subsystem id db2-id contains invalid characters. The CICS-DB2 Attachment facility is not started.
Explanation: Error rc occurred when the CICS-DB2 attachment facility startup cannot complete because the db2-id subsystem id specified on the DSNC STRT command contains invalid characters.
System Action: The CICS-DB2 attachment facility does not start.
User Response: Correct the DB2 subsystem id and retry the DSNC STRT command.
Destination: Terminal End User
Module: DFHD2CM1

DFHDB2300 date time applid tranid DB2 command output truncated (ifcabnm bytes not shown).
Explanation: ifcabnm bytes of a DB2 command response could not be shown.
System Action: The command processing completes, but the output is truncated.
User Response: If you need complete command output, modify the command to reduce the amount of output. For example, specify specific databases rather than an asterisk on a -DISPLAY DATABASE(***).
Destination: CDB2
Module: DFHD2CM1
XMEOUT Parameters: date, time, applid, tranid, ifcabnm

DFHDB2301 date time applid tranid DB2 command complete.
Explanation: The DB2 command processing is complete.
System Action: Control is returned to the user.
User Response: None.
Destination: CDB2 and Terminal End User
Module: DFHD2CM1
XMEOUT Parameters: date, time, applid, tranid

DFHDB8101 I date time applid Connection to DBCTL xxxx is now complete. Startup Table Suffix used is xx.
Explanation: DBCTL has notified CICS that the CICS-DBCTL connection is complete.
System Action: CICS resynchronizes any outstanding DBCTL in-doubts.
User Response: None.
Destination: CDBC
Module: DFHDDBCT
XMEOUT Parameters: date, time, applid, xxxx, xx

DFHDB8102 I date time applid Disconnection from DBCTL xxxx is now complete.
Explanation: CICS has successfully disconnected from DBCTL.
System Action: CICS has successfully disconnected from DBCTL and performed its clean up.
User Response: None.
Destination: CDBC
Module: DFHDDBD1
XMEOUT Parameters: date, time, applid, xxxx

DFHDB8103 E date time applid IDENTIFY request to DBCTL xxxx has failed. MVS SSI return code rc, reason code reason.
Explanation: CICS has attempted to connect to DBCTL. The attempt has failed. CICS has been notified that DBCTL is not currently executing. The return code from MVS SSI, reported in PAPLRETC, is rc. The reason code from MVS SSI, reported in PAPLRCOD, is reason. The return and reason codes reported in PAPLRETC and PAPLRCOD are explained in the IMS Messages and Codes manual.
System Action: CICS attempts to connect to DBCTL at 5 second intervals, issuing this message at each attempt, and message DFHDB8297 at 1 minute intervals, until either:
1. Disconnection is requested via the CICS supplied DBCTL support menu transaction, CDBC.
2. 10 minutes have elapsed, after which time CICS stops attempting to connect and IMS message DFS0690 is issued, requesting the operator to type in WAIT (retry the connection attempt) or CANCEL (abandon the connection attempt).
Refer to the explanation of DFHDB8297 for more information. Refer to the IMS Messages and Codes manual for further information on message DFS0690.
User Response: Check why DBCTL is not running. You can cancel the connection attempts by using the CDBC transaction to issue a disconnect request. If message DFH0690 has been issued you should reply to this.
Destination: CDBC
Module: DFHDBCT

XMEOUT Parameters: date, time, applid, xxxx, rc, reason

DFHDB8104 E date time applid IDENTIFY request to DBCTL xxxx has been rejected by DBCTL. (System abend code I IMS user abend code I DBCTL return code )rc.

Explanation: CICS has attempted to connect to DBCTL. The attempt has failed. CICS has been notified that DBCTL has rejected the identify request.

System Action: The attempt to connect to DBCTL is abandoned and the storage associated with the CICS-DBCTL interface is cleaned up. Message DFHDB8102 is output.

User Response: For further information about the nonzero response code, if rc is:

- A system abend code, refer to the OS/390 MVS System Codes manual
- An IMS user abend code, refer to the IMS Messages and Codes manual
- A DBCTL return code, refer to the IMS Messages and Codes manual.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: date, time, applid, xxxx, {1=system abend code, 2=IMS user abend code, 3=DBCTL return code }, rc

DFHDB8105 W date time applid Operator has requested cancellation of the connection to DBCTL.

Explanation: DBCTL notifies CICS that the operator has replied 'CANCEL' to IMS message DFS0690. Refer to the IMS Messages and Codes manual for information on IMS message DFS0690.

System Action: CICS cleans up the storage associated with the CICS-DBCTL interface and issues message DFHDB8102.

User Response: None. This message is for information only.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: date, time, applid, xxxx, {1=system abend code, 2=IMS user abend code, 3=DBCTL return code }, rc

DFHDB8106 E date time applid The DRA has abnormally terminated. CICS is no longer connected to DBCTL id xxxx.

Explanation: DBCTL has notified CICS that the database resource adapter (DRA) is abnormally terminating.

System Action: CICS cleans up the storage associated with the CICS-DBCTL interface and disconnects from DBCTL. CICS then issues message DFHDB8102.

User Response: See the CICS IMS Database Control Guide for information about problem determination. If you wish to reconnect CICS to DBCTL, use the menu transaction CDBC.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: date, time, applid, xxxx, {1=system abend code, 2=IMS user abend code, 3=DBCTL return code }, rc, xxxx

DFHDB8107 E date time applid DBCTL xxxx has abnormally terminated. Will attempt to reconnect.

Explanation: DBCTL notifies CICS it is about to terminate.

System Action: CICS will attempt to reconnect to DBCTL.

User Response: Notify the system programmer.

Look for messages output by the DBCTL system and determine why DBCTL failed. Restart DBCTL if required.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: date, time, applid, xxxx

DFHDB8108 I date time applid DBCTL xxxx has received a CHECKPOINT FREEZE command. CICS will disconnect from DBCTL.

Explanation: DBCTL notifies CICS that it is about terminate because a CHECKPOINT FREEZE command has been issued.

System Action: CICS will clean up the storage associated with the CICS-DBCTL interface and will then output message DFHDB8102.

User Response: None.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: date, time, applid, xxxx

DFHDB8109 E date time applid Request to DL/I failed for transaction tranid, task taskid, recovery token X'nn', {, system abend code I , IMS user abend code I , DBCTL return code }rc, DBCTL id xxxx.

Explanation: DBCTL xxxx returns a nonzero response code rc when a DL/I request has been issued from an application program.

System Action: The CICS transaction may be abnormally terminated.

User Response: If the CICS transaction is abnormally terminated, refer to the accompanying CICS transaction abend code.

For further information about the nonzero response code, if rc is:

- A system abend code, refer to the OS/390 MVS System Codes manual
- An IMS user abend code, refer to the IMS Messages and Codes manual
- A DBCTL return code, refer to the IMS Messages and Codes manual.

For further information about the unit of recovery, refer to the CICS IMS Database Control Guide.

Destination: CDBC

Module: DFHDLIDP

XMEOUT Parameters: date, time, applid, tranid, taskid, X'nn', {, system abend code , 2=, IMS user abend code , 3=, DBCTL return code }, rc, xxxx

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DFHDB8110 E date time applid Non zero return code from DFHDBAT. Return code rc for request request.
Explanation: The module DFHDBAT, which is a task related user exit forming part of the CICS-DBCTL interface, returns a nonzero return code in reply to a request issued from CICS to DBCTL.
System Action: The request to DBCTL fails.
Three types of request to DBCTL can fail in this way:
1. A request to connect to DBCTL from module DFHDBCON
2. A request to disconnect from DBCTL from module DFHDBDSC
3. A DL/I request from an application program via module DFHDLIDP
Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: The return code is one of the following:
4 — CALL NOT UNDERSTOOD
This can be returned when attempting to connect, disconnect or issue DL/I requests to DBCTL. The most likely cause is a storage overwrite. If CICS detects a storage overwrite, a dump is taken.
8 — REDUNDANT INTERFACE CALL
This can be returned when attempting to connect or disconnect from DBCTL. The request is ignored.
16 — DISCONNECT PRE-EMPTED
This can be returned when attempting to disconnect from DBCTL while a disconnection request is already being processed.
24 — ADAPTER NOT READY
A request has been made to the adaptor DFHDBAT but CICS is still in the process of connecting to DBCTL.
28 — ADAPTER IS DISABLED
This indicates that the CICS-DBCTL interface is not available.
Note: The DBCTL interface terminates normally after any in-flight tasks accessing DBCTL complete the unit of work. Subsequently any new unit of work or ATI task can receive this return code because of a PCB schedule failure.
Destination: CDBC
Modules: DFHDBCON, DFHDBDSC, DFHDLIDP
XMEOUT Parameters: date, time, applid, rc

DFHDB8111 E date time applid Connection has failed. DBCTL return code rc.
Explanation: DBCTL returns a nonzero response code when CICS is attempting to connect to it.
System Action: The connection attempt is abandoned.
User Response: Notify the system programmer.
For further information about the DBCTL return code, refer to the IMS Messages and Codes manual.
Destination: CDBC
Module: DFHDBCON
XMEOUT Parameters: date, time, applid, rc

DFHDB8112 E date time applid Unable to generate Task Token due to purge request.
Explanation: The module, DFHDBTOX, was invoked:
• To set up a task token, or
• To GETMAIN some storage.
The GETMAIN failed.
System Action: Processing continues.
Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: This message indicates that there is a storage management problem. You should check for other messages issued from the CICS region to the MVS console.
See the CICS Problem Determination Guide for guidance on dealing with storage problems.
Destination: CDBC
Module: DFHDBTOX
XMEOUT Parameters: date, time, applid

DFHDB8113 E date time applid Getmain failure for storage to hold the indoubt list. Resync has not taken place.
Explanation: Connection to DBCTL has been completed, but there are some in-doubts outstanding. The GETMAIN to store the in-doubts has failed.
System Action: CICS remains connected to DBCTL but the in-doubts are not resolved.
Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: This message indicates that there is a storage management problem. You should check for other messages issued from the CICS region to the MVS console.
See the CICS Problem Determination Guide for guidance on dealing with storage problems.
Destination: CDBC
Module: DFHDBCT
XMEOUT Parameters: date, time, applid

DFHDB8114 E date time applid Connection has failed. DRA startup table with suffix xx cannot be found.
Explanation: An attempt has been made to connect CICS to DBCTL but the DRA Startup Table with the suffix xx cannot be found.
System Action: The connection attempt is abandoned.
User Response: If you were using the DBCTL Support Menu transaction, CDBC, check to see if you have mistyped the suffix value.
If you have not mistyped the suffix value then notify the system programmer.
Place the DRA Startup Table in a CICS STEPLIB library. For further guidance on how to do this, see the CICS IMS Database Control Guide.
Destination: CDBC
Module: DFHDBCON
XMEOUT Parameters: date, time, applid, xx
DFHDB8115 E date time applid Connection has failed. Module DSFPRRC0 cannot be found.

Explanation: An attempt has been made to connect CICS to DBCTL but the DRA Router module, DSFPRRC0, cannot be found.

System Action: The connection attempt is abandoned.

User Response: Place the module DSFPRRC0 in a CICS STEPLIB library. For further guidance on how to do this, refer to the CICS IMS Database Control Guide.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: date, time, applid

DFHDB8116 I date time applid Connection to DBCTL xxxx is proceeding. Startup Table Suffix used is xx.

Explanation: The first phase of connecting CICS to DBCTL has been completed.

System Action: CICS connection to DBCTL proceeds.

User Response: None.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: date, time, applid, xxxx, xx

DFHDB8117 W date time applid No connection to DBCTL made although the connection program is in the PLT.

Explanation: The connection program, DFHDBCON, has been placed in the program list table (PLT) but CICS was not connected when CICS last shut down.

System Action: CICS will not connect to DBCTL.

User Response: This is a warning message. In this case, if you wish to connect CICS to DBCTL then use the DBCTL Support Menu transaction, CDBC.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: date, time, applid

DFHDB8118 E date time applid Connection to DBCTL xxxx has been rejected by CICS. Reason code rc.

Explanation: CICS has rejected the connection attempt to DBCTL for reason rc. The value in the reason code field is 4. This indicates an invalid IMS/ESA release for storage protection. That is, CICS storage protection was active, and an attempt was made to connect to a DBCTL system running a release of IMS/ESA that does not support the storage protection function.

System Action: On completion of phase 2 connection processing, CICS indicates to the database resource adapter (DRA), in the control exit, that the DRA should terminate. CICS then completes cleanup of the CICS-DBCTL interface. The status of the interface is that CICS is not connected to DBCTL.

User Response: Connection to this DBCTL system is only possible if CICS is run with storage protection turned off. To run with storage protection on, install a release of IMS/ESA that supports the storage protection function.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: date, time, applid, xxxx, rc

DFHDB8119 I date time applid CICS is INDOUBT about the LUW with recovery token X'rectok' after issuing a single phase commit request to DBCTL, (SYSTEM ABEND CODE | IMS USER ABEND | DBCTL RETURN CODE) rc.

Explanation: CICS was attempting to syncpoint updates made to IMS databases via DBCTL for the logical unit of work (LUW) identified by unit of recovery X'rectok'. CICS has detected that updates were made to only one resource manager, DBCTL, in this LUW, and hence has issued a single-phase commit to DBCTL, in place of the normal two-phase commit process. An unexpected response to the single-phase commit has been received from DBCTL, and so CICS is INDOUBT about this LUW. CICS is unable to report whether the updates made via DBCTL have been committed or backed out. No local CICS resources are affected.

System Action: The transaction terminates abnormally with abend code ADCS and a transaction dump. CICS processing continues.

User Response: The unit of recovery X'rectok' output with this message can be used in conjunction with IMS message DFSxxxx output on the IMS console to determine the outcome of the LUW.

If the IMS region has failed, on restart of the IMS region, IMS will output DFSxxxx messages for each LUW that has committed using the single-phase commit protocol. The DFSxxxx message contains the same X'rectok' recovery token as output in this message. While matching up the recovery tokens, if a DFSxxxx message is found with the same recovery token, then the LUW was committed. Failure to find a relevant DFSxxxx message means that the LUW has been backed out.

Rather than the IMS region failing, if the bad response to single-phase commit was caused by an individual thread failure and the LUW has been committed, then IMS outputs a DFSxxxx message for just this LUW.

For further information on IMS message DFSxxxx, refer to the IMS Messages and Codes manual.

For further information about the nonzero response code, if rc is:

- A system abend code, refer to the OS/390 MVS System Codes manual
- An IMS user abend code, refer to the IMS Messages and Codes manual
- A DBCTL return code, refer to the IMS Messages and Codes manual.

Destination: CDBC

Module: DFHDBAT

XMEOUT Parameters: date, time, applid, X'rectok', {1=SYSTEM ABEND CODE, 2=IMS USER ABEND, 3=DBCTL RETURN CODE}, rc

DFHDB8120 I date time applid DBCTL may be INDOUBT about the LUW with recovery token X'nn', which CICS has (committed | backed out), (SYSTEM ABEND CODE | IMS USER ABEND CODE | DBCTL RETURN CODE) rc.

Explanation: CICS has received a bad return code from DBCTL for a commit or backout request for the logical unit of work (LUW) identified by unit of recovery X'nn'.

System Action: CICS has either backed out or committed this LUW. CICS continues.

User Response: At the next reconnection, CICS and DBCTL resolve all INDOUBTs.
Alternatively you can request DBCTL to find out if the LUW is INDOUBT, and instruct DBCTL to commit it or back it out. For more information on how to do this, refer to the CICS IMS Database Control Guide.

For further information about the nonzero response code, if 
rc is:

- a system abend code, refer to the OS/390 MVS System Codes manual
- an IMS user abend code, refer to the IMS Messages and Codes manual
- a DBCTL return code, refer to the IMS Messages and Codes manual.

**Explanation:**
CICS has detected a failure in DBCTL during syncpoint prepare processing. (System abend code | IMS user abend code | DBCTL return code | IMS fast path status code) rc.

**System Action:**
The transaction terminates abnormally with abend code ASP7 and a transaction dump. CICS processing continues.

**User Response:**
Refer to the abend code ASP7 for further information about the accompanying CICS transaction.

For further information about the nonzero response code, if rc is:

- A system abend code, refer to the OS/390 MVS System Codes manual
- An IMS user abend code, refer to the IMS Messages and Codes manual
- A DBCTL return code, refer to the IMS Messages and Codes manual
- An IMS fast path status code, refer to the IMS Application Programming: EXEC DLI Commands manual if you were running an EXEC DLI program at the time of the message, or if you were using CALL, refer to the Application Programming: DL/I Calls.

**Destination:**
CDBC

**Module:**
DFHDDBAT

**XMEOUT Parameters:**
date, time, applid, X’nn’, {1=committed, 2=backed out}, {1=SYSTEM ABEND CODE, 2=IMS USER ABEND CODE, 3=DBCTL RETURN CODE}, rc

**Example:**
DFHDB8121  I date time applid  A failure has occurred in DBCTL during syncpoint prepare processing. (System abend code | IMS user abend code | DBCTL return code | IMS fast path status code) rc.

**Explanation:**
CICS was connected to DBCTL when CICS termination commenced. CICS is going to issue a disconnect request.

**System Action:**
CICS disconnection from DBCTL proceeds.

**User Response:**
None. You can suppress this message with the SIT parameter, MSGLEVEL = 0.

**Destination:**
Console

**Module:**
DFHDDBAT

**XMEOUT Parameters:**
date, time, applid, {1=failed, 2=timed out.}, {1=System abend code, 2=IMS user abend code, 3=DBCTL return code | rc

**Example:**
DFHDB8124  E date time applid  CICS disconnection from DBCTL for CICS shutdown has (failed, | timed out.)(System abend code | IMS user abend code | DBCTL return code | rc

**Explanation:**
CICS was connected to DBCTL when CICS termination commenced. CICS disconnection from DBCTL failed for one of the reasons given in the message text.

**System Action:**
CICS disconnection from DBCTL continues.

**User Response:**
If the failure is due to a timed out condition, the message indicates that the time elapsed since CICS requested disconnection has reached the interval specified in the TIMEOUT parameter of the DRA interface without a response from DCBTL. The default interval is 60 seconds.

If failure is due to any other condition, a nonzero return code is given. If rc is:

- A system abend code, refer to the OS/390 MVS System Codes manual
- An IMS user abend code, refer to the IMS Messages and Codes manual
- A DBCTL return code, refer to the IMS Messages and Codes manual
- An IMS fast path status code, refer to the IMS Application Programming: EXEC DLI Commands manual if you were running an EXEC DLI program at the time of the message, or if you were using CALL, refer to the Application Programming: DL/I Calls.

**Destination:**
Console

**Module:**
DFHDDBAT

**XMEOUT Parameters:**
date, time, applid, {1=failed, 2=timed out.}, {1=System abend code, 2=IMS user abend code, 3=DBCTL return code, 4=}, rc

**Example:**
DFHDB8128  W date time applid  Error linking to the CICS-DBCTL user replaceable program DFHDBUEX from module modname.

**Explanation:**
An attempt was made to invoke the user replaceable module, DFHDBUEX, but the module was not available.

**System Action:**
CICS disregards the failure and continues execution.

**User Response:**
Ensure that module DFHDBUEX is available.

**Destination:**
CDBC

**Module:**
DFHDDBCT, DFHDDBSC.

**XMEOUT Parameters:**
date, time, applid, modname

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**Chapter 1. DFH messages**

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DFHDB8129 E date time applid Getmain failure in the Control
Exit DFHDBCTX.

Explanation: The MVS GETMAIN request failed in DFHDBCTX.

System Action: The CICS-DBCTL interface remains unchanged.
Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This message indicates that there is a storage management problem. Check for other messages issued from the CICS region to the MVS console.

See the CICS Problem Determination Guide for guidance on dealing with storage problems.

Destination: CDBC
Module: DFHDBCTX
XMEOUT Parameters: date, time, applid

DFHDB8130 E date time applid Disconnection has failed. DBCTL
return code rc.

Explanation: The disconnection attempt failed in DBCTL.

System Action: CICS abandons the attempt to disconnect from DBCTL.
User Response: For further information about the DBCTL return code, refer to the IMS Messages and Codes manual.

Destination: CDBC
Module: DFHDBDSC
XMEOUT Parameters: date, time, applid, rc

DFHDB8131 E date time applid The CICS-DBCTL control
transaction has abnormally terminated with abend abcode.

Explanation: The CICS-DBCTL control transaction, CDBO, has failed.

System Action: The CICS-DBCTL interface is no longer usable.
Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the description of abend abcode for further guidance.
If you wish to use DBCTL from this CICS system again, you have to restart CICS.

Destination: CDBC
Module: DFHDBCT
XMEOUT Parameters: date, time, applid, abcode

DFHDB8199 E GETMAIN REQUEST FOR CICS-DBCTL
CONTROL WORK ELEMENT (CWE) HAS FAILED.

Explanation: While notifying the CICS-DBCTL control transaction of changes to the state of the CICS-DBCTL interface a GETMAIN request for storage to hold a CICS-DBCTL control work element failed.

System Action: CICS uses control exit storage in DBCTL global block (DGB) to notify the control transaction of the error. The control transaction issues message DFHDB8129 to transient data destination CDBC. CICS abandons the attempt to change the state of the CICS-DBCTL interface.

User Response: This message indicates that there is a storage management problem. See any other messages issued from the CICS region to the MVS console for further guidance. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDBCTX

DFHDB8201I The key that you pressed has no meaning on this
panel.

Explanation: The terminal operator has pressed the wrong key when using either
- CDBI, the CICS-DBCTL support inquiry transaction (Module DFHDBIQ), or
- CDBC, the CICS-DBCTL support menu transaction (Module DFHDBME).

System Action: CICS ignores the key pressed.
User Response: Check the allowable keys display which appears at the bottom of the screen and try a valid key.

Destination: TERMCDBC
Modules: DFHDBIQ, DFHDBME

DFHDB8202 Selection must be one of those shown above.

Explanation: The terminal operator has typed in an invalid option when using CDBC, the DBCTL Support Menu Transaction.

System Action: CICS rejects the invalid option.
User Response: Check the allowable options that appear on the screen and choose the appropriate one.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8204 Invalid DRA startup table suffix supplied.

Explanation: The terminal operator has typed an invalid startup table suffix when using CDBC, the DBCTL Support Menu Transaction. The suffix must be one or two characters long consisting only of characters valid for a partitioned data set member name.

System Action: CICS rejects the invalid Startup Table Suffix.
User Response: Correct the startup table suffix and try again. You may need to check the suffix with your system programmer.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8207D Connection to DBCTL requested. Press PF5 to
confirm.

Explanation: The terminal operator has requested that CICS should be connected to DBCTL.
This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

System Action: If the PF5 key is pressed, then CICS will connect to DBCTL. If any other key is pressed in response to this message, CICS will not connect to DBCTL.
User Response: Press the PF5 key if you wish to proceed with connecting CICS to DBCTL. If you do not wish the connection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8208D DBCTL immediate disconnection requested. Press PF5 to confirm.

Explanation: The terminal operator has requested that CICS should be disconnected from DBCTL immediately.

This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

System Action: If the PF5 key is pressed, then all DL/I requests issued from this CICS system and currently being processed in DBCTL will complete and then CICS will disconnect from DBCTL. Tasks which have been using DBCTL but have not yet issued a CICS SYNCPOINT, either explicitly in the application or implicitly as a result of CICS task termination processing, will abnormally terminate with abend code ASP7. If any other key is pressed in response to this message, CICS will not disconnect from DBCTL.

User Response: Press the PF5 key if you wish to proceed with disconnecting CICS from DBCTL immediately. If you do not wish the disconnection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8209D DBCTL orderly disconnection requested. Press PF5 to confirm.

Explanation: The terminal operator has requested that CICS should be disconnected from DBCTL in an orderly manner.

This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

System Action: If the PF5 key is pressed, then all tasks running in this CICS system that have already used DBCTL will complete and then CICS will disconnect from DBCTL. No new tasks running in this CICS system will be permitted to use DBCTL until CICS is connected to DBCTL again. If any other key is pressed in response to this message, CICS will not disconnect from DBCTL.

User Response: Press the PF5 key if you wish to proceed with disconnecting CICS from DBCTL in an orderly way. If you do not wish the disconnection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8213 Connection to DBCTL is already in progress. Request is ignored.

Explanation: The terminal operator has requested that CICS should connect to DBCTL and CICS is already trying to connect to DBCTL.

System Action: This connection request is ignored.

User Response: Use the PF2 key to refresh the CICS-DBCTL status information on the screen. If the “DBCTL connected and ready” message is not displayed, check the DBCTL transient data destination to ensure that no errors have occurred while CICS was connecting to DBCTL. The operator should also check the MVS console as the message DFS0690 may have been issued, and be waiting for a reply.

Destination: TERMCDBC
Module: DFHDBME
DFHDB8214 Connection to DBCTL has already been done. Request is ignored.

Explanation: The terminal operator has requested that CICS should connect to DBCTL when CICS is already connected to DBCTL.

System Action: This connection request is ignored.

User Response: If you did not expect DBCTL to be connected to CICS then check the CDBC transient data destination to see when CICS did connect to DBCTL (message DFHDB8101).

Destination: TERMCDBC
Module: DFHDBME

DFHDB8215 Orderly disconnection from DBCTL in progress. Request is ignored.

Explanation: The terminal operator has either:
- Requested that CICS should disconnect from DBCTL when CICS is already disconnected from DBCTL, or
- Requested that CICS should connect to DBCTL when CICS is still disconnecting from DBCTL.

System Action: This disconnection request is ignored.

User Response: Use the refresh key to refresh the CICS-DBCTL status information on the screen. If the ‘DBCTL not connected to CICS’ message is not displayed, check the CDBC transient data destination to ensure that no errors have occurred while CICS was disconnecting from DBCTL.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8216 Immediate disconnection from DBCTL in progress. Request is ignored.

Explanation: The terminal operator has either:
- Requested that CICS should disconnect from DBCTL while CICS is already disconnected from DBCTL, or
- Requested that CICS should connect to DBCTL when CICS is still disconnecting from DBCTL.

System Action: This disconnection request is ignored.

User Response: Use the PF2 key to refresh the CICS-DBCTL status information on the screen. If the ‘DBCTL not connected to CICS’ message is not displayed, check the CDBC transient data destination to ensure that no errors have occurred while CICS was disconnecting from DBCTL. If necessary, check the location of the CDBC destination with your system programmer.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8217 DBCTL not currently connected to CICS. Request ignored.

Explanation: The terminal operator has requested that CICS should disconnect from DBCTL when CICS is not connected to DBCTL.

System Action: This disconnection request will be ignored.

User Response: If you did not expect DBCTL to be disconnected from CICS then check the CDBC transient data destination to see when and why CICS did disconnect from DBCTL (message DFHDB8102). If you do not know where the CDBC destination is, then please check with your system programmer.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8218 CDBC - Please specify CONNECT or DISCONNECT.

Explanation: The terminal operator has used CDBC, the DBCTL support menu transaction, from the MVS operator console and has not selected an option.

System Action: No action is taken until the operator selects an option.

User Response: Select an option by typing in CDBC with a connect or disconnect option.

See the CICS Supplied Transactions for guidance on using CDBC.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8219 DBCTL connection phase 1 in progress. Request is ignored.

Explanation: The first phase of connecting CICS to DBCTL has not completed yet, but the terminal operator has requested disconnection from DBCTL.

System Action: This disconnection request is ignored.

User Response: Try requesting disconnection again if you wish to proceed with disconnecting CICS from DBCTL. If you still cannot disconnect then check the CDBC transient data destination to see if any messages have been issued which indicate that there are problems with the connection attempt. Also check if any messages have been issued from DBCTL.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8220 CICS-DBCTL connection is unusable. Request is ignored.

Explanation: A failure has occurred in the CICS-DBCTL interface.

System Action: Any requests to connect or disconnect from DBCTL is ignored.

User Response: Look for earlier messages identifying the source of the error by checking the CDBC transient data destination for any messages issued from CICS and also by checking for any messages issued from DBCTL.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8221 Non zero return code rc from DFHDBAT. The request is ignored.

Explanation: The module DFHDBAT returns a nonzero return code in reply to a request issued to DBCTL. DFHDBAT is a task-related user exit and forms part of the CICS-DBCTL interface.

System Action: The request to DBCTL fails.

User Response: See message DFHDB8110 for further guidance.

Destination: TERMCDBC
Module: DFHDBME

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DFHDB8222 Connection has failed. DBCTL return code is rc.

Explanation: DBCTL rejects a request from CICS to connect to it.

System Action: The connection does not proceed.

User Response: See the IMS Messages and Codes manual for an explanation of the DBCTL return code.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8223 DRA startup table with suffix xx cannot be found. Request is ignored.

Explanation: A connection request has been issued and the startup table with the suffix specified cannot be found.

System Action: The connection does not proceed.

User Response: If you were using the DBCTL Support Menu transaction, CDBC, check if you have mistyped the suffix value.
Place the DRA startup table in a CICS STEPLIB library. For guidance on how to do this, see the CICS IMS Database Control Guide.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8224 Module DFSPRRC0 cannot be found. Connection cannot be done.

Explanation: The DRA router module, DFSPRRC0, could not be found during an attempt to connect to DBCTL.

System Action: The connection does not proceed.

User Response: Place the module DFSPRRC0 in a CICS STEPLIB library. For guidance on how to do this, see the CICS IMS Database Control Guide.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8225I applid The DBCTL ID is xxx. The DRA Startup Table suffix is xx.

Explanation: This message is issued from module DFHDBME when CDBC, the DBCTL support menu transaction, is used from the MVS operator’s console. This message is issued from module DFHDBIQ when CDBI, the DBCTL support inquiry transaction, is used from the MVS operator’s console.

System Action: Processing continues.

User Response: None.

Destination: TERMCDBC
Modules: DFHDBME, DFHDBIQ

DFHDB8226 There was an error starting CDBT. Disconnection from DBCTL failed.

Explanation: An error has occurred, starting the disconnection transaction CDBT.

System Action: The disconnection attempt fails.

User Response: Look for earlier messages identifying the source of the error on the CDBC or CSMT transient data destinations. Check that the disconnection transaction CDBT is available. Check that the disconnection module DFHDBDSC is available.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8227 There was an error linking to DFHDBCON. Connection to DBCTL failed.

Explanation: An attempt was made to connect to DBCTL but there was an error when linking to the connection module.

System Action: The connection attempt fails.

User Response: Look for earlier messages identifying the source of the error on the CDBC or CSMT transient data destinations. Check that module DFHDBCON is available.

Destination: TERMCDBC
Module: DFHDBME

DFHDB8228 The period (.) and subsequent characters have been removed.

Explanation: A comment was found at the end of the command. The CDBM transaction has removed the comment before sending the IMS command. Comments start with the period character (.) and continue to the end of the command.

System Action: The IMS command is sent without the comment.

User Response: None.

Destination: Terminal End User
Module: DFHDBMP

DFHDB8229 Spaces immediately after the CRC (/) have been removed.

Explanation: One or more spaces were found between the command recognition character (CRC) and the IMS verb. The default CRC is the oblique stroke (/). Spaces in this position would normally cause an IMS command to fail.

System Action: The CDBM transaction removes the spaces before sending the IMS command.

User Response: None. The operator should not add spaces between the CRC and the command.

Destination: Terminal End User
Module: DFHDBMP

DFHDB8230 The key that you pressed has no meaning on this panel.

Explanation: The terminal operator has pressed the wrong key.

System Action: CICS ignores the key pressed.

User Response: Check the display of key functions at the bottom of the screen and try a valid key.

Destination: Terminal End User
Module: DFHDBMP

DFHDB8231 FORCE IMS LOG END OF VOLUME was not set to 1 or 2.

Explanation: When entering a /DBDUMP or /DBRECOVER IMS command, the value in the FORCE IMS LOG END OF VOLUME field must be set to either 1 or 2. If you select 1, which is the default, the command has the NOFEOV option set; this does not force IMS End OF LOG for this command. To override this, select option 2; the NOFEOV option is not added.

System Action: The command is not sent.
DFHDB8232

User Response: Choose option 1 or 2 and press Enter.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8232 Initial CRC (/) was not found. Reenter the IMS command.
Explanation: The command recognition character (CRC) is expected at the start of the command line. The default CRC is the oblique stroke (/).
System Action: The command is not sent.
User Response: Reenter the command with the CRC as the initial character.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8233 A second CRC (/) was found. Reenter the IMS command.
Explanation: The command field can accept only one command. A command must start with the command recognition character (CRC). The default CRC is the oblique stroke (/). A second CRC within the command field is not allowed and must be removed before the command is sent to IMS.
System Action: The command is not sent.
User Response: Correct the command field by removing the second command or correcting the command syntax.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8234 An invalid wildcard was found. Reenter the IMS command.
Explanation: More than one database name contains a wildcard. You can use the asterisk (*) to refer to any number of characters, or the plus sign (+) to refer to a single character. However, in a command you can use wildcard characters in one database name only. Wildcards in more than one database name are not permitted and should be removed.
System Action: The command is not sent.
User Response: Remove the invalid wildcard. Either change the first wildcard string to include the database names matched by the second wildcard string, or explicitly name the databases. Alternatively issue the command with the first wildcard string, retrieve the command by pressing F9 (Retrieve) and replace the first wildcard string with the second. If there are other database names within the command, you may need to remove them before sending the command.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8235 Incorrect wildcard position. Reenter the IMS command.
Explanation: You can use a wildcard character in a command only to refer to database names. In this case a wildcard character, an asterisk (*) or plus sign (+), has been wrongly positioned in the command.
System Action: The command is not sent.
User Response: Correct the command by moving the wildcard to a position where it can refer to a database name or names.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8236 Invalid IMS command verb. Reenter the IMS command.
Explanation: The command has been rejected by IMS because the verb is not recognized as a valid IMS operator command.
System Action: IMS rejects the command.
User Response: Correct the command.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8237 Command not allowed. Enter a valid IMS command.
Explanation: This command has been rejected by IMS because it cannot be executed using the AIB interface used by CICS.
Certain IMS operator commands such as /MODIFY are not valid with the CDBM transaction and must be issued via the MVS console.
System Action: IMS rejects the command.
User Response: Enter a valid IMS operator command.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8238 Command not authorized. Enter a valid IMS command.
Explanation: The command has been rejected by IMS because the application or user does not have the necessary authorization to execute the command as entered.
System Action: IMS rejects the command.
User Response: Get the necessary authorization and reissue the command.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8239 aaaa call failed, AIB Return X'bbbb' Reason X'cccc'
Explanation: The command has been rejected by IMS.
System Action: IMS rejects the command.
User Response: For the IMS function code, examine the AIB return code and reason code to determine the cause of the error. See the IMS/ESA Application Programming: Database Manager manual, SC26-8015 for an explanation of these codes.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8240 DBCTL not connected. Run CDBC to connect.
Explanation: CICS was unsuccessful in its attempt to schedule the program specific block (PSB) DFHDBMP before issuing the IMS command.
System Action: The command is not sent.
User Response: Ensure that the DBCTL system is attached using the CICS supplied transaction DBCC.
Destination: Terminal End User
Module: DFHDBMP

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DFHDB8241 PSB schedule unsuccessful. UIB return codes (X'aaaa')

Explanation: CICS was unsuccessful in its attempt to schedule the program specification block (PSB) DFHDBMP before issuing the IMS command.

System Action: The command is not sent.

User Response: Ensure that PSB DFHDBMP is available to your system. See the summary of abends and return codes in the CICS IMS Database Control Guide for an explanation of the UIB return codes.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8242 Command in progress. Issue /DISPLAY command for status.

Explanation: The command sent to IMS has not returned a segment but has sent an acknowledgment.

System Action: The IMS command is proceeding or has completed.

User Response: Issue a /DISPLAY command to determine the status. Press F9 (Retrieve) to retrieve the IMS command and change the command to a /DISPLAY command. Alternatively press F12 (Cancel) and enter a new command to display the status.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8243 No match has been found for wildcard (aaaaaaaa).

Explanation: CICS was unsuccessful in its attempt to match any IMS databases with the wildcard supplied.

System Action: The command is not sent.

User Response: Check the names of the databases required and/or the wildcard supplied.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8244 The requested command cannot be found in the command file.

Explanation: The group command entered does not exist in the command file.

System Action: No action

User Response: Check that the group name and command were typed correctly. A list of all available commands can be found using the browse function in the group command maintenance section of CDBM.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8245 The command file, DFHDBFK, cannot be opened.

Explanation: CDBM failed to open the command file, DFHDBFK.

System Action: CDBM will not allow the user to enter the maintenance section.

User Response: Determine the cause of the open failure, and correct the error. Retry selecting the maintenance option from within CDBM.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8246 An error has occurred reading the command file, DFHDBFK.

Explanation: An error occurred whilst CDBM was trying to read a record from the command file, DFHDBFK.

System Action: CDBM cannot read and execute the requested group command.

User Response: Determine the cause of the read failure, and correct the error. Retry issuing the group command again from within CDBM.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8247 Record not found.

Explanation: There was no record in the group command file, DFHDBFK, for the specified group and command.

System Action: None.

User Response: Browse the group command file to locate the correct record. If this message was issued during a browse request, clear the group and name fields and retry the browse.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8248 End of file reached during browse. Press enter to wrap.

Explanation: The end of the file was reached during a browse request on the group command file, DFHDBFK.

System Action: None.

User Response: Press return to browse the group command file from the beginning.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8249 A record already exists for this command in this group.

Explanation: A record with a matching group and command names already exists in the group command file, DFHDBFK.

System Action: A new group command record is not added to the group command file.

User Response: Check the command name is correct. If it is, use a different group name.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8250 A record must be read before updating.

Explanation: Before a record in the group command file, DFHDBFK, can be updated, it must first be read.

System Action: The group command record is not updated in the group command file.

User Response: Read the record and apply the changes before issuing an update request.

Destination: Terminal End User

Module: DFHDBMP
DFHDB8251 A record must be read before deletion.
Explanation: Before a record in the group command file, DFHDBFK, can be deleted, it must first be read.
System Action: The record is not deleted from the group command file.
User Response: Read the record before issuing a delete request.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8252 Group and command must not be altered. Record not updated.
Explanation: The group and command fields must not be altered during a group command record update request.
System Action: The record is not updated in the group command file, DFHDBFK.
User Response: Add a new record with the required group and name fields. Delete the unwanted record.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8255 Cannot delete during browse. Read record to delete.
Explanation: Before a record in the group command file, DFHDBFK, can be deleted, it must first be read.
System Action: The record is not deleted from the group command file.
User Response: Read the record before issuing a delete request.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8256 Both group and command must be specified.
Explanation: The group and command fields must both be specified when adding a new group command record to the group command file, DFHDBFK.
System Action: A new group command record is not added to the group command file.
User Response: Enter data in both the group and command fields and issue the add request.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8257 Function invalid. Must be A, B, D, R or U.
Explanation: An action requested was not valid.
System Action: None.
User Response: Enter a valid action letter.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8258 File (write | rewrite | delete | read | browse) failure.
EIBRESP=ebiresp, EIBRESP2=ebiresp2.
Explanation: An unexpected error has occurred during a file operation on the group command file, DFHDBFK.
System Action: The requested update to the group command file is not made.
User Response: Determine the reason for the failure using the EIBRESP and EIBRESP2 values. Fix the cause of the error and retry the operation.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8259 Group command, group command, [added | updated | deleted | read | browsed].
Explanation: The operation indicated has been performed on the group command file, DFHDBFK.
System Action: The group command file has been successfully modified.
User Response: None.
Destination: Terminal End User
Module: DFHDBMP

DFHDB8260 Record length exceeds screen size.
Explanation: The record read from the group command file, DFHDBFK, was found to contain more data than could be displayed on the screen.
System Action: None.
User Response: The data set associated with the group command file, DFHDBFK, has been created with a larger record size than allowed. Recreate the data set with the correct record size, and reload the data.
Destination: Terminal End User
Module: DFHDBMP
DFHDB8290I DBCTL not connected to CICS.

**Explanation:** This message is issued when CICS is not connected to DBCTL.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, then the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** TERMCDBC

**Modules:** DFHDBME, DFHDBIQ

---

DFHDB8291I DBCTL connect phase 1 in progress.

**Explanation:** CICS is in phase 1 of connecting to DBCTL and has not yet moved into phase 2 of connection processing.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, this message is issued from module DFHDBIQ.

**System Action:** Processing continues.

**User Response:** Press the PF2 key to refresh the status information on the screen. Check the DBCTL transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

**Destination:** TERMCDBC

**Modules:** DFHDBME, DFHDBIQ

---

DFHDB8292I DBCTL connect phase 2 in progress.

**Explanation:** CICS is in phase 2 of connecting to DBCTL. (That is, phase 1 of connection has been completed and CICS has not yet heard from DBCTL that phase 2 of connection has been completed.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, then this message is issued from module DFHDBIQ.

**System Action:** Processing continues.

**User Response:** Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface. Check that the DBCTL system you are trying to connect to has been initialized.

Check the MVS operator console for any IMS console messages related to the CICS-DBCTL interface.

**Destination:** TERMCDBC

**Modules:** DFHDBME, DFHDBIQ

---

DFHDB8293I DBCTL connected and ready.

**Explanation:** CICS is connected to DBCTL.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

**System Action:** Processing continues.

---

DFHDB8294I DBCTL orderly disconnect in progress.

**Explanation:** CICS is disconnecting from DBCTL in an orderly manner. (That is, all tasks using DBCTL from this CICS system will run to termination before CICS is disconnected from DBCTL.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, this message is issued from module DFHDBIQ.

**System Action:** Processing continues.

**User Response:** Press the PF3 key to terminate the transaction. Press the PF2 key to refresh the status information on the screen. Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

**Destination:** TERMCDBC

**Modules:** DFHDBME, DFHDBIQ

---

DFHDB8295I DBCTL immediate disconnect in progress.

**Explanation:** CICS is disconnecting from DBCTL immediately. (That is, all DL/I requests issued from this CICS system and currently being processed by DBCTL will complete before CICS is disconnected from DBCTL.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, this message is issued from module DFHDBIQ.

**System Action:** Processing continues.

**User Response:** Press the PF3 key to terminate the transaction. Press the PF2 key to refresh the status information on the screen. Check the MVS operator console for any IMS console messages related to the CICS-DBCTL interface. Check that the DBCTL system you are trying to connect to has been initialized.

Check the MVS operator console for any IMS console messages that need a reply (for example, message DFS0690).

**Destination:** TERMCDBC

**Modules:** DFHDBME, DFHDBIQ

---

DFHDB8296I DBCTL cannot be connected to CICS.

**Explanation:** A failure has occurred in the CICS-DBCTL interface.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

**System Action:** Processing continues.
DFHDB8297

**User Response:** Look for earlier messages identifying the source of the error by checking the CDBC transient data destination and checking any messages issued from DBCTL.

**Destination:** TERMCDBC
**Modules:** DFHDBME, DFHDBIQ

---

**DFHDB8297** applid CICS/DBCTL CONNECTION BEING ATTEMPTED

**Explanation:** This message only occurs when there is no recoverable service table (RST). CICS has attempted to connect to DBCTL but has failed on one or more occasions. DBCTL may not be running, or it may be restarting after a DBCTL abend.

**System Action:** CICS continues to attempt to connect every 5 seconds. This message is reissued every minute for ten minutes or until connection is made.

If the connection is not made in ten minutes, CICS will stop attempting to connect and IMS message DFS0690 is issued. If the user replies WAIT to the IMS DFS0690 message, then the IMS DRA will take over responsibility for retrying the connection attempt. The TIMER parameter in the DRA startup table specifies how often the DRA will retry the connect to DBCTL.

**User Response:** Check why DBCTL is not running. You can cancel the connection attempts using the CDBC transaction by issuing a disconnect request.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console
**Module:** DFHDXAX

---

**DFHDB8298** applid An attempt has been made to connect to DBCTL via PLT phase 1. The request has been rejected.

**Explanation:** The attempt to connect to DBCTL has been unsuccessful.

You are using a startup PLT and the request for DFHDBCON has been issued in PLT phase 1 processing. It can only be issued from PLT phase 2.

**System Action:** Processing continues.

**User Response:** Look at the source for your startup PLT. Ensure the DBCTL startup program (DFHDBCON) is after the statement specifying DFHDELM.

**Destination:** Console
**Modules:** DFHDBME, DFHDBCON
**XMEOUT Parameter:** applid

---

**DFHDDxxxx messages**

**DFHDD0001** applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation:** An unexpected program check or abend occurred with abend code aaa/bbbb.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X' offset' in module modname. This may have been caused by corruption of CICS code or control blocks.

**System Action:** A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console
**Modules:** DFHDDDMM, DFHHDDDI, DFHDDLO, DFHDDBR
**XMEOUT Parameters:** applid, aaa/bbbb, X'offset', modname

---

**DFHDD0002** applid A severe error (code X'code') has occurred in module modname.

**Explanation:** Directory Domain has received an unexpected error response from some other part of CICS. The operation requested by Directory Domain is described by code X'code'.

For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

**System Action:** A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Investigate the cause of the problem as follows:
1. Determine if the problem can be explained by any previous messages output from some other part of CICS.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console
**Modules:** DFHDDDMM, DFHHDDDI, DFHDDLO, DFHDDBR
**XMEOUT Parameters:** applid, X'code', modname
**DFHDHxxxx messages**

**DFHDH0001** applid An abort (code aaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation:** An abnormal end (abort) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37).

If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abort code or a number referring to a CICS message (for example, AKEA which is a CICS abort code; 1310 refers to message DFHTS1310).

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated.

CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated.

A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abort, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHDHDH, DFHDHDM, DFHDHSL

**XMEOUT Parameters:** applid, aaa/bbbb, X'offset', modname

**DFHDH0002** applid A severe error (code X'code') has occurred in module modname.

**Explanation:** An error has been detected in module modname.

The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System Action:** An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHDHDH, DFHDHDM, DFHDHSL

**XMEOUT Parameters:** applid, X'code', modname

**DFHDH0004** applid A possible loop has been detected at offset X'offset' in module modname.

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function, so there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the ICVR system initialization parameter, which is measured in milliseconds. This means that module modname in the message is terminated and CICS continues.

But if you have specified ICVR=0 you consider that module modname is looping, you must terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR system initialization parameter. You can change the RUNAWAY time interval temporarily using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHDMTM

**XMEOUT Parameters:** applid, X'offset', modname
DFHDH0100I applid Document domain initialization has started.

Explanation: This is an informational message indicating that document domain initialization has started.

System Action: System initialization continues.

User Response: None. The message can be suppressed with the system initialization parameter MSGlvl=0.

Destination: Console

Module: DFHDHDM

XMEOUT Parameter: applid

DFHDH0101I applid Document domain initialization has ended.

Explanation: This is an informational message indicating that document domain initialization has completed successfully.

System Action: System initialization continues.

User Response: None. The message can be suppressed with the system initialization parameter MSGlvl=0.

Destination: Console

Module: DFHDHDM

XMEOUT Parameter: applid

DFHDH0105 date time applid Document template definition

Explanation: The document template definition has been added as [PDS-MEMBER | FILE | PROGRAM | TSQUEUE | TDQUEUE | XMEOUT](resourcename) with template name templatename.

PDS-MEMBER A member of a partitioned dataset
FILE A CICS file
PROGRAM A CICS program
TSQUEUE A CICS Temporary Storage queue
TDQUEUE A CICS Transient Queue
EXITPGM A User-replaceable program that reads in a template of its own specification.

The document template is assigned a template name of templatename.

System Action: The definition is cataloged in the CICS Global Catalog and will be restored on a CICS warm start.

User Response: Application programs can now use the template using the name templatename.

Destination: CSDH

Module: DFHDHRP

XMEOUT Parameters: date, time, applid, doctemplate

DFHDH0106 date time applid Document template definition

Explanation: The document template definition has been successfully deleted from the Document Handler domain.

System Action: The definition is removed from the CICS Global Catalog and will not be restored on a CICS warm start.

User Response: Application programs can no longer use the template using the name templatename.

Destination: CSDH

Module: DFHDHDM

XMEOUT Parameters: date, time, applid, doctemplate

DFHDH0107I date time applid DD statement ddname not found.

Explanation: A document template definition specified a DDNAME value ddname, but a DD statement with that name was not present in the CICS JCL. The corresponding template data set cannot be opened.

System Action: The document template doctemplate is not installed.

User Response: Either restart CICS with a suitable template library allocated to DD name ddname, or use the ADYN transaction to allocate the library dynamically. The ADYN transaction is described in the CICS Customization Guide.

Destination: Console

Module: DFHDHRP

XMEOUT Parameters: date, time, applid, ddname, doctemplate

DFHDH0108I date time applid Member member not found in dsname, DOCTEMPLATE doctemplate is not installed.

Explanation: A document template definition specified a MEMBER name of member, but the data set dsname allocated to the specified DDNAME does not contain that member.

System Action: The document template doctemplate is not installed.

User Response: Add the specified member member to the data set named dsname. Then reinstall the document template.

Destination: Console

Module: DFHDHRP

XMEOUT Parameters: date, time, applid, member, dsname, doctemplate
DFHDMxxxx messages

**DFHDM0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.**

**Explanation:** An abnormal end (abend) or program check has occurred in the module *modname*. This implies that there may be an error in CICS code.

Alternatively,
- Unexpected data has been input, or
- Storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**Either** CICS will continue unless you have specified in the dump table that CICS should terminate. This action will be taken by DFHDMIQ.

**Or** this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM, DFHDMDS and DFHDMWQ.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or something else and may give you some guidance on how to proceed.

**Destination:** Console

**Modules:** DFHDMDM, DFHDMEN, DFHDMENF, DFHDMIQ, DFHDMDS, DFHDMWQ

**XMEOUT Parameters:** applid, *X'code'* , modname

**DFHDM0002 applid A severe error (code *X'code'* ) has occurred in module *modname*.**

**Explanation:** An error has been detected in module *modname*. The code *X'code'* is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

**System Action:** An exception entry (code *X'code'* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**Either** CICS will continue unless you have specified in the dump table that CICS should terminate. This action will be taken by DFHDMIQ.

**Or, this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM, DFHDMDS and DFHDMWQ.**

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** This indicates a possible error in the CICS code. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHDMDM, DFHDMEN, DFHDMENF, DFHDMIQ, DFHDMDS, DFHDMWQ

**XMEOUT Parameters:** applid, *X'code'* , modname

**DFHDM0003 applid Insufficient storage to satisfy GETMAIN (code *X'code'* ) in module *modname*.**

**Explanation:** A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code *X'code'* is the exception trace point ID which uniquely identifies the place where the error was detected.

This error has occurred above the 16Mb line.

**System Action:** An exception entry is made in the trace table (code *X'code'* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**Either** CICS continues unless you have specified in the dump table that CICS should terminate. This action is taken by DFHDMIQ.

**Or** this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM and DFHDMWQ.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Try increasing the size limits of the DSAs or EDSAs. See the *CICS System Definition Guide* or the *CICS Performance Guide* for further information on CICS storage.

**Destination:** Console

**Modules:** DFHDMDM, DFHDMIQ, DFHDMWQ

**XMEOUT Parameters:** applid, *X'code'* , modname

**DFHDM0004 applid A possible loop has been detected at offset X'offset' in module *modname*.**

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**Either** CICS continues unless you have specified in the dump table that CICS should terminate. This action is taken by DFHDMIQ.

**Or** this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM, DFHDMDS and DFHDMWQ.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.
Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module modname is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHDMDM, DFHDMDN, DFHDMENF, DFHDMIO, DFHDMDS, DFHDMWQ

**XMEOUT Parameters:** applid, X'offset', modname

---

**DFHDM0005** applid A hardware error has occurred (module modname, code X'code'). The Time-of-Day clock is invalid.

**Explanation:** A hardware error has occurred during the running of module modname. The MVS Store Clock facility is the timing mechanism for the operating system.

The code code is the exception trace point id which uniquely identifies the place where the error was detected.

**System Action:** An exception entry (code code in the message) is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHDMDM, DFHDMWQ, DFHDMDS

**XMEOUT Parameters:** applid, modname, X'code'

---

**DFHDM0101I** applid CICS is initializing.

**Explanation:** This message is for information only.

CICS initialization has started. The domain (DM) manager is about to attach an initialization task for each domain defined in the local CICS catalog, DFHLCD.

**System Action:** Processing continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGlvl=0.

**Destination:** Console

**Module:** DFHDMDM

**XMEOUT Parameter:** applid

---

**DFHDM0102I** applid CICS is quiescing.

**Explanation:** This message is for information only.

The controlled shutdown of CICS has started. The domain (DM) manager is about to attach a quiesce task for each CICS component.

**System Action:** Processing continues.

**User Response:** None. You can suppress this message with the SIT parameter, MSGlvl=0.

**Destination:** Console

**Module:** DFHDMDM

**XMEOUT Parameter:** applid

---

**DFHDM0103** applid Unsuccessful quiesce of domain domain. CICS will terminate.

**Explanation:** A domain has failed to quiesce.

**System Action:** CICS terminates. An exception trace and a dump are issued by the domain in error.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHDMDS

**XMEOUT Parameters:** applid, domain

---

**DFHDM0104** applid Unsuccessful load of program domain. CICS will terminate.

**Explanation:** The domain (DM) manager has called the loader to load a program for an initialization task but the load has failed. The module is missing from the DFHRPL concatenation, possibly because the SDFLOAD is missing. Alternatively, if the module name given in the message is not a legitimate CICS module, the CICS catalog could be corrupted.

**System Action:**

```
# APAR PQ26113
# CICS terminates. A system dump with dump code DM0006 is taken unless you have suppressed dumps in the dump table. CICS terminates.
```

An exception trace is issued by the domain manager. Message DFHME0116 is normally produced containing the symptom string for this problem.
**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** Console

**Module:** DFHDM0105

**XMEOUT Parameters:** applid, domain

**DFHDM0105** applid Unsuccessful initialization of domain. CICS will terminate.

**Explanation:** A domain has failed to initialize.

**System Action:** CICS terminates.

Diagnostics are issued by the domain in error. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Review the diagnostics and take remedial action for any installation-related problems. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** Console

**Module:** DFHDM0106

**XMEOUT Parameters:** applid, domain

**DFHDM0106** applid The Domain Manager records on the CICS Catalog may have been corrupted.

**Explanation:** A problem was detected when calling the CICS catalog to browse the domain (DM) manager records. For example, the domain manager records may not be present. This message may follow message DFHDM0002.

**System Action:** This is a critical error and CICS terminates, even if you have specified in the dump table that CICS should not terminate.

A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Try reinitializing the local CICS catalog, DFHLCD, using DFHCCUTL, and perform an initial start of CICS.

If this does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** Console

**Module:** DFHDS0001

**XMEOUT Parameter:** applid

**DFHDSxxxx messages.**

**DFHDS0001** applid An abend (code aaa/bbbb) has occurred at offset X‘offset’ in module modname.

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** If CICS is still running, it is necessary to decide whether to terminate CICS.

1. Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.
2. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.
3. If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
4. If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHDSAT, DFHDSBR, DFHDSDM, DFHDSDS2, DFHDSDS3, DFHDSDS4, DFHDSIT, DFHDSKE, DFHDSM, DFHDSSR, DFHDST, DFHDSTCB, DFHDSUE

**XMEOUT Parameters:** applid, aaa/bbbb, X‘offset’, modname

**DFHDS0002** applid A severe error (code X‘code’) has occurred in module modname.

**Explanation:** An error has been detected in module modname. The code X‘code’ is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, see the *CICS Problem Determination Guide*.

**System Action:** An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDM0105). A message will be issued to this effect.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

The system action taken depends on the context.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to
run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module \texttt{modname}, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the \textit{CICS Problem Determination Guide} for guidance on how to proceed.

\textbf{Destination:} Console

\textbf{Modules:} DFHDSAT, DFHDSBR, DFHDSDM, DFHDSDS2, DFHDSDS3, DFHDSDS4, DFHDSIT, DFHDSKE, DFHDSSM, DFHDSSR, DFHDSST, DFHDSTCB, DFHDSUE

\textbf{XMEOUT Parameters:} applid, X'\texttt{code}', modname

\textbf{DFHDS0003 applid Insufficient storage (code X'\texttt{code}') in module modname.}

\textbf{Explanation:} A CICS GETMAIN was issued by module \texttt{modname} but there was insufficient storage available to satisfy the request. The code X'\texttt{code}' is the exception trace point id which uniquely identifies the place where the error was detected. This error has occurred above the 16M line.

\textbf{System Action:} An exception entry is made in the trace table (code \texttt{code} in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

\textbf{User Response:} Inform the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module \texttt{module} will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module \texttt{modname} has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module \texttt{modname}, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the \textit{CICS Problem Determination Guide} for guidance on how to proceed.

\textbf{Destination:} Console

\textbf{Modules:} DFHDSAT, DFHDSBR, DFHDSDM, DFHDSDS2, DFHDSDS3, DFHDSDS4, DFHDSIT, DFHDSKE, DFHDSSM, DFHDSSR, DFHDSST, DFHDSTCB, DFHDSUE

\textbf{XMEOUT Parameters:} applid, X'\texttt{offset}', modname

\textbf{DFHDS0004 applid A possible loop has been detected at offset X'\texttt{offset}' in module modname.}

\textbf{Explanation:} A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module \texttt{modname} at offset X'\texttt{offset}'. This is the offset of the instruction which was executing at the time the error was detected.

\textbf{System Action:} An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

\textbf{User Response:} Inform the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module \texttt{module} will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module \texttt{modname} has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module \texttt{modname}, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the \textit{CICS Problem Determination Guide} for guidance on how to proceed.

\textbf{Destination:} Console

\textbf{Modules:} DFHDSAT, DFHDSBR, DFHDSDM, DFHDSDS2, DFHDSDS3, DFHDSDS4, DFHDSIT, DFHDSKE, DFHDSSM, DFHDSSR, DFHDSST, DFHDSTCB, DFHDSUE

\textbf{XMEOUT Parameters:} applid, X'\texttt{offset}', modname

\textbf{DFHDS0005 applid A hardware error has occurred (code X'\texttt{code}', modname). The Time-of-Day clock is invalid.}

\textbf{Explanation:} A hardware error has occurred during the running of module \texttt{module}. The MVS Store Clock facility is the timing mechanism for the operating system.

The code X'\texttt{code}' is the exception trace point id which uniquely identifies the place where the error was detected.

\textbf{System Action:} An exception entry (code \texttt{code} in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

\textbf{User Response:} Inform the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.
In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHSTCB

**XMEOUT Parameters:** applid, X'code', modname

---

DFHDS0006 applid Insufficient storage to satisfy GETMAIN (code X'code') in module modname. MVS code mvscode.

**Explanation:** An MVS GETMAIN was issued by module modname but there was insufficient storage available to satisfy the request.

The code code is the exception trace point ID which uniquely identifies the place where the error was detected.

This error may occur either above or below the 16M line. This depends on context.

The code mvscode is the MVS GETMAIN return code.

**System Action:** An exception entry is made in the trace table (code code in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**Either** CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

**Or** this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

The system action depends on the context.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the CICS System Definition Guide or the CICS Performance Guide for more information on CICS storage.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHDSAT, DFHDSDM, DFHDSDS2, DFHDSSR

---

DFHDS0101 applid Dispatcher cannot enable the CICS post exit.

**Explanation:** The dispatcher has been unable to gain authorization to enable the CICS post exit. This is probably because the CICS SVC number has been defined incorrectly in the SIT.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Check to see whether the CICS SVC number has been defined correctly in the SIT and the SIT overrides.

Check that the SVC and other code has been correctly installed as described in the CICS Transaction Server for OS/390 Installation Guide. In particular, ensure that the CICS post-exit stub (DFHDSPEX) is in the LPA.

**Destination:** Console

**Module:** DFHDSDM

**XMEOUT Parameter:** applid

---

DFHDUxxxx messages

DFHDU0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37).

If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, Akea is a CICS abend code; 1310 refers to message DFHTS1310).

**System Action:** An exception entry is made in the trace table.

For module DFHDUDT, a system dump is taken unless you have specified in the dump table that CICS should not terminate.

For module DFHDUTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

For other modules, a system dump is taken. CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

---

DFHME0116 User Response:

```
Message DFHME0116 is normally produced containing the symptom string for this problem.
```

**User Response:** Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the CICS System Definition Guide or the CICS Performance Guide for more information on CICS storage.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHDSAT, DFHDSDM, DFHDSDS2, DFHDSSR

**XMEOUT Parameters:** applid, X'code', modname, mvscode
DFHDU0002

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

If the abend occurred in modules DFHDUDT or DFHDUTM, the dump table may not be available. Therefore, any EXEC API commands relating to dump codes fail and any dumps taken are processed using default information (for example, whether to terminate CICS or not) rather than information you may have put on the dump table for specific dump codes.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHDUDT, DFHDUTM

**XMEOUT Parameters:** applid, X'code', modname

---

DFHDU0004 applid A possible loop has been detected at offset X'offset' in module modname.

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

**System Action:** An exception entry is made in the trace table.

For module DFHDUDT, a system dump is taken unless you have specifically suppressed the dumps (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

For module DFHDUTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHDUDT, DFHDUTM

**XMEOUT Parameters:** applid, X'offset', modname
DFHDU0006 applid  Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

Explanation: An MVS GETMAIN was issued module modname, but there was insufficient storage available to satisfy the request. The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected. This error has occurred above the 16M line.

The code mvscode is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code code in the message) and a system dump is taken. This dump cannot be suppressed. CICS processing continues.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

As the problem is in module DFHDUTM, EXEC API commands for browsing the dump tables may not work, or additions to the dump tables may not work.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you need to bring CICS down to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDUDU

DFHDU0102 applid DFHDUIO could not be loaded. Transaction dump is inoperative.

Explanation: CICS could not locate module DFHDUIO during initialization.

System Action: An exception trace entry is produced, and CICS continues with the transaction dump facility inoperative.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the exception trace entry and any other relevant messages to determine why module DFHDUIO was not available.

Destination: Console
Module: DFHDUDU

DFHDU0103 applid An abend has occurred during initialization of dump domain in module DFHUDUM.

Explanation: A dump domain has failed to initialize.

System Action: CICS terminates.

An exception trace and a kernel dump are issued by the dump domain. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHDUDU

XMEOUT Parameter: applid

DFHDU0201 applid About to take SDUMP. Dumpcode: dumpcode, Dumpid: dumpid.

Explanation: An error, possibly signalled by a previous message, has caused a call to the CICS dump (DU) domain. Dump domain will issue this message immediately before calling the MVS SDUMP facility if the following conditions are satisfied:

- The SIT option, DUMP=YES, for SDUMPS has been specified.
- The dump table entry for dump code dumpcode specifies that a system SDUMP is required.
- The maximum dump limit for this dump code in the dump table entry has not been exceeded.
- The user exit XDUREQ does not suppress the taking of this dump.

The dump code dumpcode is an 8-character system dump code identifying the CICS problem. However some of these characters may be blanks. A system dump code is a CICS message number with the DFH prefix removed.

The dumpid dumpid is the unique 9-character string identifying this dump.

System Action: When the dump is complete, message number DFHDU0202 is issued.

User Response: Inform the system programmer, who should refer to the CICS message indicated by dumpcode to resolve the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDUDU

DFHDU0202 applid SDUMP complete.

Explanation: This message is issued on successful completion of an SDUMP.

System Action: Processing continues unless a CICS shutdown is requested by either the dump table entry for this dump or the dump call to the dump (DU) domain.

User Response: Print off the system dump if required. A previous MVS message identifies in which SYS1.DUMP data set this dump can be found.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDUDU

XMEOUT Parameter: applid
DFHDU0203I  date time applid  A transaction dump was taken for dumpcode: dumpcode, Dumpid: dumpid.

Explanation:  A CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has taken a transaction dump.

The dump code dumpcode is normally the 4-character CICS transaction abend code if the dump was requested as a result of a transaction abend. It may also be the value of the DUMPCODE operand on an EXEC CICS DUMP TRANSACTION request.

The dump ID dumpid is the unique 9-character string identifying this dump.

System Action:  A transaction dump is written to the current CICS dump data set, either DFHDMPA or DFHDMPB.

CICS may terminate if the dump table entry for the specified abend code specifically requests it.

User Response:  Print off the transaction dump if required.

Destination:  CDUL
Module:  DFHDUDU
XMEOUT Parameters:  date, time, applid, dumpcode, dumpid

DFHDU0205  applid  A system dump for dumpcode: dumpcode was suppressed by the reason.

Explanation:  An error, possibly signalled by a previous message, has caused a call to the CICS (DU) dump domain, which failed to take a system dump for reason reason. Reason reason indicates what has caused dump suppression.

- The XDUREQ user exit.
- The dump table option for dump code dumpcode.
- The global system dump suppression option.

The dump code dumpcode is an 8-character system dump code identifying the CICS problem. However some of these characters may be blanks. A system dump code is a CICS message number with the DFH prefix removed.

System Action:  A system dump is not produced. However, CICS will be terminated if the dump table entry for this dump code or the caller of the dump domain requests CICS termination.

User Response:  If a system dump is required for this dump code, perform the user action appropriate to the reason reason given in the message.

- If the user exit XDUREQ has suppressed the dump, either inactivate this exit, or as a more permanent measure change the user exit program so that it does not suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for dump code dumpcode.
- If the global system dump suppression option has suppressed the dump, specify DUMP=YES on the SIT to allow future system dumps to be taken.

Note:  This message cannot be changed with the message editing utility.

Destination:  Console
Module:  DFHDUDU

DFHDU0206I  date time applid  A transaction dump for dumpcode: dumpcode was suppressed by the reason.

Explanation:  A CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has failed to take a transaction dump for the reason reason. Reasons reason indicates the reason for dump suppression.

- XDUREQ user exit.
- Dump table option for this dump code.

The dump code dumpcode is the 4-character CICS transaction abend code.

System Action:  A transaction dump is not produced. However, CICS is terminated if the dump table entry for this dump code or the caller of the dump domain specifically requests such.

User Response:  If a transaction dump is required for this dump code, perform the user action appropriate to the reason reason given in the message.

- If the user exit, XDUREQ, has suppressed the dump, either inactivate this exit, or as a more permanent measure, change the exit program so that it does not suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for dump code dumpcode.

Destination:  CDUL
Module:  DFHDUDU
XMEOUT Parameters:  date, time, applid, dumpcode, reason

DFHDU0207I  date time applid Transaction and system dumps for dumpcode: dumpcode were suppressed by the reason.

Explanation:  Either an EXEC CICS DUMP TRANSACTION DUMPCODE command has been issued, or a CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has failed to take a transaction dump nor a system dump for reason reason. Reasons reason indicates what caused dump suppression.

- XDUREQ user exit.
- Dump table option for this dump code.

The dump code dumpcode is the 4-character CICS transaction abend code.

System Action:  Neither a transaction nor a system dump is produced. However, CICS is terminated if the dump table entry for this dump code or the caller of the dump domain makes such a request.

User Response:  If a transaction dump and/or a system dump is required for this dump code, perform the user action appropriate to the reason reason given in the message.

- If the user exit XDUREQ has suppressed the dump, either inactivate this exit, or as a more permanent measure change the exit program so it does not suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for this dump code.

Destination:  CDUL
Module:  DFHDUDU
XMEOUT Parameters:  date, time, applid, dumpcode, reason
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DFHDU0208 applid SDUMP busy - CICS will retry in five seconds.

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. A non-zero value for the DURETRY parameter on the SIT means that CICS is waiting for five seconds before reissuing the SDUMP request.

System Action: CICS issues an MVS STIMERM macro which caused CICS to stop for five seconds. The request is reissued when the delay interval has expired. CICS will delay and retry every five seconds for a total time equal to the number of seconds specified on the DURETRY SIT parameter.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU0209

DFHDU0209 applid Retrying SDUMP.

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. CICS has waited for five seconds (as indicated by message DFHDU0208) and is now about to reissue the SDUMP request.

System Action: CICS reissues the SDUMP request.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU0208

DFHDU0210 applid SDUMPX REQUEST FAILED - reason.

Explanation: An MVS SDUMPX request from CICS signalled by message DFHDU0201 has failed to complete successfully. The possible reasons, (reason) for the failure are as follows:

SDUMPX RETURN CODE X'nn' ONLY PARTIAL DUMP.
The SYS1.DUMP data set to which the dump is written is not large enough to contain all of the dumped storage.

SDUMPX RETURN CODE X'nn' REASON X'mm' SDUMPX BUSY
At the time of the MVS SDUMPX request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. If a nonzero value is specified for the DURETRY SIT parameter, CICS retries the SDUMPX request every five seconds for the specified period. This message is only issued if SDUMPX is still busy after the final retry.

SDUMPX RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE
No SYS1.DUMP data sets were available at the time the SDUMPX request was issued.

SDUMPX RETURN CODE X'nn' REASON X'mm'
MVS has rejected the SDUMPX request for some other reason than those listed above. X'nn' gives the SDUMPX return code and X'mm' gives the SDUMPX reason code.

STIMERM FAILED
In order to delay for five seconds before retrying SDUMPX after an SDUMPX BUSY condition, CICS issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

NOT AUTHORIZED IN CICS
SDUMPX is not authorized for this CICS run.

INSUFFICIENT STORAGE
CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

DFHDSVC FESTAE FAILED
CICS issued an MVS FESTAE request from DFHDSVC during the processing of the SDUMPX request. The FESTAE has been rejected by MVS.

IWMQWRK RETURN CODE X'xx' REASON X'yy' REMOTE DUMPS NOT TAKEN
CICS issued an MVS IWMQWRK request during the processing of the SDUMPX request for dumps of related CICS systems. The IWMQWRK request has been rejected by MVS return code X'xx' and reason X'yy'. In this case CICS was unable to dump related CICS address spaces but has attempted to dump the local address space.

DFHDSVC INVALID PROBDESC
The SDUMPX PROBDESC parameters, created by DFHDSVC, contain invalid data.

System Action: CICS proceeds as if the dump had been successful.

User Response: The user response depends on the reason, (reason), for the failure.

SDUMPX RETURN CODE X'nn' ONLY PARTIAL DUMP.
See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the SDUMPX return code X'nn'. Use MVS problem determination methods to determine why a partial dump was taken.

SDUMPX RETURN CODE X'nn' REASON X'mm' SDUMPX BUSY
Cause the SDUMP to be reissued after, if appropriate, increasing the value of the DURETRY system initialization parameter. See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the SDUMPX return code X'nn' and reason X'mm'.

SDUMPX RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE
Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued. See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the SDUMPX return code X'nn' and reason X'mm'.

SDUMPX RETURN CODE X'nn' REASON X'mm'
No action is required if the dump was suppressed deliberately. If the dump has failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the SDUMPX return code X'nn' and reason code X'mm'.

STIMERM FAILED
Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

NOT AUTHORIZED IN CICS
This reason is unlikely to occur because SDUMPX is unconditionally authorized during CICS initialization, and
DFHDU0211

should be authorized throughout the CICS run. If you do get this reason, the CICS AFCB (authorized function control block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE
Ensure sufficient storage is available to MVS for subpool 253 requests.

DFHDUSVC FESTAE FAILED
Use MVS problem determination methods to fix the FESTAE failure and then cause the SDUMP request to be reissued. See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the FESTAE macro.

IWMWQWRK RETURN CODE X'xx' REASON X'yy'.
CICS issued an MVS IWMWQWRK request during the processing of the SDUMPX request. The IWMWQWRK request has been rejected by MVS return code X'xx' and reason X'yy'. See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the return and reason codes.

DFHDUSVC INVALID PROBDESC
The SDUMPX PROBDESC parameters, created by DFHDUSVC during the processing of the SDUMPX request, are invalid. The PROBDESC parameters have probably been accidentally overwritten.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDUDU

DFHDU0211 applid THE XDUREQ USER EXIT IS NOT CALLED FOR DUMPcode. dumpcode.
Explanation: Because of a severe system error, the XDUREQ user exit (which allows you to suppress system dumps) has not been called for system dump dumpcode.

System Action: DFHDU0211 is followed either by message DFHDU0201, indicating that dump dumpcode was taken, or by message DFHDU0205, indicating that dump dumpcode was suppressed. Message DFHDU0201 or DFHDU0205 is followed by message DFHDU0309 if CICS terminates.
The XDUREQ user exit is called for subsequent system dumps.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDUDU

DFHDU0212 applid Requested transaction dump code dumpcode is invalid.
Explanation: A requested transaction dump code has unprintable characters, or has leading or imbedded blanks.

System Action: A transaction dump is produced unless suppressed by the user exit XDUREQ. However, no dump statistics are committed. The transaction dump is complete when message DFHDU0203 is issued. The invalid dump code is shown in dump domain (DU) trace points X'0600' and X'0601'.

User Response: Print off the transaction dump and determine how an abend or EXEC CICS request was issued with an invalid dump code.
Destination: Console
Module: DFHDUDU

DFHDU0213 REMOTE SDUMPX REQUEST FAILED - reason.
Explanation: A remote MVS SDUMPX request from CICS has failed to complete successfully. The possible reasons, (reason) for the failure are as follows:

DFHDUMPX AUTOMATIC STORAGE GETMAIN FAILED.
CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

DFHDUMPX NOT RUNNING IN THE MASTER ADDRESS SPACE.
DFHDUMPX must run in the MASTER address space. CICS stops processing the remote SDUMPX request if it detects that DFHDUMPX is running in another address space.

IWMWQWRK FOUND NO ADDRESS SPACES TO DUMP.
The MVS IWMWQWRK service found no CICS address spaces with work relating to the remote SDUMPX request.

IWMWQWRK FAILED WITH A WARNING.
CICS issued an MVS IWMWQWRK request from DFHDUMPX during the processing of the remote SDUMPX request. MVS has rejected the IWMWQWRK request with a warning return code.

IWMWQWRK FAILED WITH AN ERROR.
CICS issued an MVS IWMWQWRK request from DFHDUMPX during the processing of the remote SDUMPX request. MVS has rejected the IWMWQWRK request with an error return code.

DFHDUMPX OUTPUT WORKAREA GETMAIN FAILED.
CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

NO PROBDESC PARAMETERS SUPPLIED TO DFHDUMPX.
DFHDUMPX is invoked by MVS under the IEASDUMP.QUERY exit. If MVS does not supply the SDUMPX PROBDESC parameters then DFHDUMPX is unable to determine whether a remote dump should be taken or suppressed.

DFHDUMPX RECOVERY ROUTINE ENTERED
An abnormal end (abend) or program check has occurred in DFHDUMPX. This implies that there is an error in CICS code.
Alternatively, unexpected data has been input, or storage has been overwritten.
CICS adds diagnostic data to the MVS SDWA and makes an entry in SYS1.LOGREC.

System Action: CICS proceeds as if the dump had been successful.

User Response: The user response depends on the reason, (reason), for the failure.

DFHDUMPX AUTOMATIC STORAGE GETMAIN FAILED.
Ensure sufficient storage is available to MVS for subpool 253 requests.
DFHDUMPX NOT RUNNING IN THE MASTER ADDRESS SPACE.

This reason is unlikely to occur because CICS requests that the MVS CSVDYNEX service adds DFHDUMPX as an IEASDUMP.QUERY exit in the MASTER address space.

If you do get this reason, there was probably an error during CICS initialization.

Notify the system programmer.

You will need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

IWMWQWRK FOUND NO ADDRESS SPACES TO DUMP.

This is unlikely to be an error. DFHDUMPX is invoked on all the MVS images in a SYSPLEX for a remote SDUMPX request. Some of the images may not have any CICS address spaces with work relating to the CICS system which originated the remote SDUMPX request.

IWMWQWRK FAILED WITH A WARNING.

The IWMWQWRK return code and reason are included in a CICS trace entry which is written to the GTF data set. The trace entry is not written to the CICS internal trace or in the CICS auxiliary trace data set because DFHDUMPX does not execute under a CICS TCB.

See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the IWMWQWRK return code and reason.

IWMWQWRK FAILED WITH AN ERROR.

The IWMWQWRK return code and reason are included in a CICS trace entry which is written to the GTF data set. The trace entry is not written to the CICS internal trace or in the CICS auxiliary trace data set because DFHDUMPX does not execute under a CICS TCB.

See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the IWMWQWRK return code and reason.

DFHDUMPX OUTPUT WORKAREA GETMAIN FAILED

Ensure sufficient storage is available to MVS for subpool 253 requests.

NO PROBDESC PARAMETERS SUPPLIED TO DFHDUMPX.

This is an error if the remote SDUMPX request was made by CICS for a system dumpcode which included the RELATED option, or if the operator entered a remote SDUMPX request which included PROBDESC parameters.

A GTF trace may aid in problem diagnosis.

Notify the system programmer.

To resolve the problem, collect any data from GTF trace, any dumps and any relevant messages. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

DFHDUMPX RECOVERY ROUTINE ENTERED

Notify the system programmer.

To resolve the problem, collect any data from SYS1.LOGREC, any dumps and any relevant messages. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDUMPX

DFHDU0214 DFHDUMPX IS ABOUT TO REQUEST A REMOTE SDUMP.

Explanation: DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message immediately before returning to MVS if the following conditions are satisfied:

- a dump has been requested for a CICS dump code, whose dump table entry specified that related dumps are required, and DFHDUMPX has found related CICS work on this MVS image or
- the operator requested remote dumps from the console, including the CICS DFHJOBN keyword in the MVS PROBDESC parameters, and DFHDUMPX has found CICS jobs on this MVS image which match the DFHJOBN data.

System Action: Processing continues.
User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDUMPX

DFHDU0215 DFHDUMPX IS ABOUT TO SUPPRESS A REMOTE SDUMPX.

Explanation: DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message immediately before returning to MVS if it has found that a remote dump should be suppressed.

The remote dump is suppressed under the following conditions:

- A dump has been requested for a CICS dump code, whose dump table entry specified that related dumps are required, and DFHDUMPX has found no related CICS work on this MVS image or
- The operator requested remote dumps from the console, including the CICS DFHJOBN keyword in the MVS PROBDESC parameters, and DFHDUMPX has found no CICS jobs on this MVS image which match the DFHJOBN data.

The remote dump is also suppressed if an error occurred during the DFHDUMPX processing. Look for a previous DFHDU0213 message to find the reason for the error.

System Action: Processing continues.
User Response: To determine whether action is necessary refer to any DFHDU0213 message preceding this one.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDUMPX
DFHDU0216 PROBDESC DOES NOT CONTAIN CICS DATA.

Explanation: DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message if it has found that the SDUMPX PROBDESC parameters do not contain CICS data. It is probable that this is not an error and that the remote dump was requested by a product other than CICS. However, if you were expecting a CICS remote dump it could be that the PROBDESC parameters were accidentally overwritten.

System Action: DFHDUMPX will request that MVS suppresses the remote dump and then processing continues.

User Response: You need to take the action only if you were expecting a remote CICS dump.

Notify the system programmer.

To resolve the problem, collect any data from GTF trace, any dumps and any relevant messages. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUMPX

DFHDU0302I applid Transaction Dump Data set dataset to be closed due to text-descr

Explanation: This message is output when attempting to write a record to the transaction dump data set. text-descr is one of the following:

- DCB ABEND
- TASK TIMEOUT
- TASK CANCEL

System Action: None unless text-descr is DCB ABEND, in which case an exception entry is made in the trace table and a system dump is taken.

User Response: Notify the system programmer.

In the case of DCB ABEND, there will normally be an accompanying MVS error message to help identify the problem with the data set.

If the problem is not due to a major corruption of CICS, successful switching of dump data sets will reinstate the transaction dump environment. Otherwise, the transaction dump environment will be available only if the XDUOUT user-exit is active.

Destination: Console

Module: DFHDUSU

XMEOUT Parameters: applid, dataset

DFHDU0304I applid Transaction Dump Data set dataset opened.

Explanation: This message is output when any of the following situations occur:

- A request to open the dump data set is issued by the operator.
- The CICS system is brought up.
- A request to switch between dump data sets is issued by the operator.
- Automatic switching between dump data sets is being performed.

Note: This message is always preceded by message DFHDU0304 and DFHDU0305 to indicate that the data set switch is successful.

User Response: None.

Destination: Console

Module: DFHDUSU

XMEOUT Parameters: applid, dataset

DFHDU0305I applid Transaction Dump Data set switched to ddname

Explanation: This message is issued when one of the following situations occurs:

- A command is issued by the operator to switch dump data sets.
- Automatic switching is being performed between dump data sets due to a dump data set being full.

This message is always preceded by message DFHDU0304 and also, if the old dump data set was open, by message DFHDU0303. ddname in the message indicates the ddname of the active transaction dump data set (either DFHDMPA or DFHDMPB).

System Action: Processing continues.

User Response: Print or copy the completed dump data set, and if required, reissue the command CEMT SET DUMP AUTO.

Destination: Console

Module: DFHDUSU

XMEOUT Parameters: applid, ddname

DFHDU0306I applid Unable to open Transaction Dump Data set dataset - text-descr

Explanation: This message occurs when attempting to open a transaction dump data set. text-descr is one of:
OPEN ERROR  An attempt was made to open the dump data set, and an abend exit was invoked. This condition is usually accompanied by MVS system messages.

INSUFFICIENT STORAGE  An MVS GETMAIN was issued to obtain storage below the 16MB line. This request was unsuccessful.

System Action: An exception entry is made in the trace table.
In both cases, the transaction dump data set is not open, and unless the XDUOUT exit is active, the transaction dump is inoperative.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See any associated MVS messages for further guidance.

Destination: Console
Module: DFHDUO
XMEOUT Parameters: applid, dataset, text-desc

DFHDU0307 applid Module DFHDUO is unavailable. Transaction dump is inoperative.

Explanation: This message is issued either when an attempt is made to open or close a dump data set, or when switching between dump data sets, to remind the user that CICS could not locate module DFHDUO during initialization. CICS will have issued message DFHDUO102 during initialization to warn the user of this condition.

System Action: CICS continues with the transaction dump facility inoperative.

User Response: If necessary, refer to the user response for message DFHDUO102.

Destination: Console
Module: DFHDUO
XMEOUT Parameter: applid

DFHDU0308I applid CICS will terminate because the Dump Table entry for the transaction dump code: dumpcode specifies shutdown.

Explanation: This message is issued when a transaction dump has been requested for the transaction dump code dumpcode and the associated dump table entry specifies that CICS should be terminated.

This message records that it was a transaction dump table entry which requested the termination of CICS.

System Action: CICS is terminated.

User Response: Process any transaction dump in the normal way.
On a warm or emergency start, explicitly defined dump table entries are restored from the catalog. If the dump table entry for dumpcode was explicitly defined, it can be modified to prevent CICS from terminating, if desired, using CEMT or EXEC API commands.
Implicitly defined dump table entries are not recorded on the catalog and are therefore not restored. On a cold or initial start, CICS does not restore the dump table from the catalog.

Destination: Console
Module: DFHDUO
XMEOUT Parameters: applid, dumpcode

DFHDU0309I applid CICS will terminate because the Dump Table entry for the system dump code: dumpcode specifies shutdown.

Explanation: This message is issued when a system dump has been requested for the system dump code dumpcode and the associated dump table entry specifies that CICS should be terminated.

This message records that it was a system dump table entry which requested the termination of CICS.

System Action: CICS is terminated.

User Response: Print off any system dump if required.
On a warm or emergency start, explicitly defined dump table entries are restored from the catalog. If the dump table entry for dumpcode was explicitly defined, it can be modified to prevent CICS from terminating using CEMT or EXEC API commands.
Implicitly defined dump table entries are not recorded on the catalog and are therefore not restored. On a cold or initial start, CICS does not restore the dump table from the catalog.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDUDU

DFHDU1601 DATA SET READ ERROR.

Explanation: The access method has indicated a read error. The dump data set may not have been opened during the most recent CICS execution.

System Action: The record is skipped.

User Response: Either ensure that the JCL is correct, or determine the reason for the read errors.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDUO

DFHDU1602 36 CONSECUTIVE UNIDENTIFIABLE RECORDS, DUMP UTILITY TERMINATED.

Explanation: An identification record has an incorrect code or format. The most common reasons for this error include the following.
- The wrong data set is being processed.
- The dump data set that the utility is trying to process has not been used in the current CICS execution.

In the latter case, the error would arise because no dumps were produced in the current execution or because the data sets had been switched.

System Action: Records are skipped and execution is terminated with a return code of 8.

User Response: Ensure that the correct data set is being processed. Alternatively, check for a possible error in the dump control program, DFHDCP.
If two dump data sets are being used, check that the data set being processed has been used before in the current CICS execution.

Note: This message cannot be changed with the message editing utility.

Destination: Console
DFHDU1603

Module: DFHDU530

DFHDU1603 NO (DUMP | PRINT) DATA SET DD CARD
   (DFHDMPDS | DFHPRINT), DUMP UTILITY TERMINATED.

Explanation: A dump or a print data set was not successfully opened.

System Action: If it was a dump data set that failed to open successfully, the system prints the message on the print data set and terminates execution with a return code of 12.

If it was the print data set that failed to open successfully, the system terminates execution with a return code of 16.

User Response: If the JCL is correct with the stated ddnames as in the message, determine why the data set cannot be opened. The return codes are issued by DFHDU530. They only identify whether a dump or print data set failed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU530

DFHDU1604 END OF FILE ENCOUNTERED, LAST DUMP MAY BE INCOMPLETE.

Explanation: The dump data set has been filled.

System Action: The dump utility program DFHDU530 terminates.

User Response: Check that the dump is complete and that no incomplete message is at the end of it. If there is an incomplete message at the end of the dump, the last dump in the data set may not contain all the information required. You should recreate the problem to try and get a complete dump. If dump data set auto-switching was active at the time the dump was taken, a complete version of the dump is present on the alternate dump data set.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHDU530

DFHDU1609 36 CONSECUTIVE INVALID READ ERRORS. DUMP UTILITY TERMINATED.

Explanation: The access method has indicated 36 consecutive invalid records in the dump data set. The most probable cause of this problem is an invalid end-of-file marker which caused the access method to attempt to read beyond the last record in the data set. This problem may also have been caused if:

- DFHDU530 has been run with a data set that has never been accessed by CICS before. The data set may contain an invalid type of record format.
- DFHDU530 has been run with a data set that has been copied with the wrong block size and record format.

System Action: The dump utility execution is terminated with a return code of 8 from DFHDU530.

User Response: Determine and correct the reason for the access failure. Recreate the dump if necessary.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU530

DFHDU1610 DUMP FORMATTING HAS ENCOUNTERED AN INVALID TRACE BLOCK. TRACE ENTRIES MAY BE LOST.

Explanation: The dump utility program, DFHDU410, has detected an error while copying trace records from the trace data set. Trace records may be omitted from the formatted output.

System Action: DFHDU410 attempts to read the next trace block and continues formatting trace records.

User Response: To resolve the problem, keep the dump and contact your IBM Support Centre. Further guidance on how to prepare information for IBM support is given in the CICS Problem Determination Guide. If you are not familiar with this process, refer to the guide before contacting IBM.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU530

DFHDU1611 FILE ERROR, FULL TRACE FAILED. DUMP FORMATTING WILL CONTINUE WITH ABBREVIATED TRACE.

Explanation: Due to an error in the MVS NOTE macro, the dump utility program, DFHDU530 was unable to note the position on the data set at which the trace data started. It is therefore not possible to return to the start of the trace data after the abbreviated trace has been formatted in order to print the trace with format FULL.

System Action: Transaction dump formatting continues with only abbreviated trace for this dump.

User Response: If only the full trace is required, rerun the DFHDU410 job with the NOABBREV parameter. Otherwise attempt to recreate the dump. If the problems recurs, keep the dump and contact your IBM Support Centre. Further guidance on how to prepare information for IBM support is given in the CICS Problem Determination Guide. If you are not familiar with this process, refer to the guide before contacting IBM.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU530

DFHDXxxxx messages

DFHDX8300I applid GETMAIN REQUEST FAILED. NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.

Explanation: The CICS system, with specific applid given, was unable to obtain working storage to control the sequencing of DBCTL connection attempts defined in the RST. (Recovery Service Table).

System Action: CICS attempts to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

User Response: The working storage can be above the 16MB line so the GETMAIN request is unlikely to fail for genuine lack of space. If the error is persistent it may be necessary to cancel CICS with a dump to resolve the problem.
DFHDX8301I applid LOAD REQUEST FAILED FOR rstname. NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.

Explanation: The CICS system, with the specific applid given, was unable to load the RST rstname while looking for the names of alternative DBCTL subsystems to which to connect.

System Action: CICS will attempt to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

User Response: Check that the RST suffix in the SIT is correct and that the RST is actually present in the authorized library.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDXAX

DFHDX8302I applid VALIDATION FAILED FOR rstname. NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.

Explanation: The CICS system, with the specific applid given, found that the RST rstname was invalid.

It is unable to use it to look for the names of alternative DBCTL subsystems to which to connect.

System Action: CICS will attempt to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

User Response: Check that the RST suffix in the SIT is correct and that the RST has been correctly prepared using the DFHRST macro that is supplied as part of the CICS product.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDXAX

DFHDX8303I applid DELETE REQUEST FAILED FOR rstname.

Explanation: The CICS system, with the specific applid given, was unable to delete the RST rstname after completing an attempt to connect to a DBCTL subsystem.

System Action: CICS continues normally.

User Response: If the error is persistent it may be necessary to cancel CICS with a dump to resolve the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDXAX

DFHDX8304I applid CICS/DBCTL RECONNECTION IN PROGRESS.

Explanation: This message occurs in an XRF environment only. It occurs when CICS attempts to connect to DBCTL but believes that DBCTL is restarting.

The message is displayed two minutes after the attempted connection, and then after each subsequent minute.

System Action: CICS continues in attempt to reconnect.

User Response: Check why DBCTL is not restarting. You can cancel the connection using the CDBC transaction.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHDXAX

DFHDX8309I applid Unable to detach subtask during CICS termination.

Explanation: CICS has detected that a subtask, attached during CICS XRF support of DBCTL, cannot be detached during CICS termination.

System Action: CICS abends with code A03.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: None. This abend occurs as a result of a previous error. Check for earlier DFHDX832x, DFHDX833x, or DFHDX834x error messages for further information and guidance.

Destination: Console
Module: DFHAPDM
XMEOUT Parameter: applid

DFHDX8310I applid Initiating catch-up tasks.

Explanation: The catch-up transaction, CXCU, has received control.

System Action: The catch-up transaction is about to initiate the catch-up tasks for specific functional areas.

User Response: None. This is simply a “work is in progress” message. You can suppress this message with the system initialization parameter, MSGlvl=0.

Destination: Console
Module: DFHCXCU
XMEOUT Parameter: applid

DFHDX8311I applid System initialized with XRF=NO. Catch-up transaction CXCU took no action.

Explanation: The catch-up transaction, CXCU, was invoked but the CICS system specified XRF=NO. Catchup functions are not relevant.

System Action: The catch-up transaction terminates normally without taking any action.

User Response: None.
Destination: Console
Module: DFHCXCU
XMEOUT Parameter: applid
DFHD8X312I applid Catch-up transaction failed to run program progname. Catch-up is incomplete.

Explanation: The catch-up transaction, CXCU, running on the CICS system with specific applid given, was unable to call the specific catch-up service routine progname. This may be either DFHDXCUX (DBCTL catch-up) or DFHZXCUCU (terminal catch-up).

System Action: The catch-up associated with routine progname is not performed.

The active and alternate CICS systems continue, but the alternate will be less effective in the event of a takeover.

User Response: Retry by entering ‘CXCU’ from a terminal. If the error persists check that the routine progname is present in the load library.

Destination: Console
Module: DFHCXCU
XMEOUT Parameters: applid, progname

DFHD8X313I applid Catch-up transaction failed.

Explanation: The catch-up transaction, CXCU, running on the CICS system with specific applid given, has failed. CXCU runs either in response to a transaction request from an end-user, or automatically by an active CICS system in response to the appearance of an alternate CICS system. Its purpose is to inform the alternate of the active’s state regarding terminals and DBCTL connection.

System Action: The CXCU transaction abends with a dump and transaction abend code ACXA.

Both active and alternate CICS systems continue, but the alternate will be less effective in the event of a takeover. For example, terminal backup sessions may not be established.

Message DFHEME0116 is normally produced containing the symptom string for this problem.

User Response: Retry by entering ‘CXCU’ from a terminal. If the error persists diagnose problem from the dump.

Destination: Console
Module: DFHCXCU
XMEOUT Parameters: applid

DFHD8X314I applid XRF DBCTL state catch-up starting.

Explanation: The catch-up transaction to transmit the active’s DBCTL state to the alternate has been started on the CICS system with specific applid named.

System Action: None.

User Response: None. You can suppress this message with the system initialization parameter, MSGGLVL=0.

Destination: Console
Module: DFHDXCUCU
XMEOUT Parameter: applid

DFHD8X315I applid XRF DBCTL state catch-up ending.

Explanation: The catch-up transaction to transmit the active’s DBCTL state to the alternate has been completed on the CICS system with specific applid given.

System Action: None.

User Response: None. You can suppress this message with the system initialization parameter, MSGGLVL=0.

Destination: Console
Module: DFHDXCUCU
XMEOUT Parameter: applid

DFHD8X316I applid XRF DBCTL state catch-up ignored for reason nn.

Explanation: The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific applid.

Although this system has DL/I installed, and an RST has been specified in the SIT, catch-up for DBCTL has proved unnecessary for reason nn, where nn may be one of the following.

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>DBCTL has not been used yet.</td>
</tr>
<tr>
<td>02</td>
<td>XRF DBCTL has not been used yet.</td>
</tr>
<tr>
<td>03</td>
<td>There is no connection state information to send.</td>
</tr>
<tr>
<td>04</td>
<td>The system is running with XRF=NO.</td>
</tr>
<tr>
<td>05</td>
<td>There is no alternate CICS to which to send state data.</td>
</tr>
</tbody>
</table>

System Action: None. No catch-up is needed.

User Response: None. You can suppress this message with the system initialization parameter, MSGGLVL=0.

Destination: Console
Module: DFHDXCUCU
XMEOUT Parameters: applid, nn

DFHD8X317I applid XRF DBCTL state catch-up failed for reason nn.

Explanation: The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific applid.

The transaction has failed for reason nn, where nn may be one of the following.

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>The CAVM message service returned an unidentifiable return code.</td>
</tr>
<tr>
<td>02</td>
<td>The CAVM message service returned an unexpected exception return code.</td>
</tr>
<tr>
<td>03</td>
<td>The CAVM message service returned an unexpected failure reason code.</td>
</tr>
</tbody>
</table>

System Action: The DBCTL catch-up transaction is terminated with a dump. The transaction abend code is ADXB.

Message DFHEME0116 is normally produced containing the symptom string for this problem.

User Response: Check for any other messages relating to CAVM data set problems for further information and guidance.

Destination: Console
Module: DFHDXCUCU
XMEOUT Parameters: applid, nn
**DFHDX8319I** applid XRF DBCTL state catch-up failed.

**Explanation:** The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific applid. The transaction has failed.

**System Action:** The DBCTL catch-up transaction is terminated with a dump. The transaction abend code is ADXA.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Diagnose the error from the dump.

**Destination:** Console

**Module:** DFHDDBC

**XMEOUT Parameter:** applid

---

**DFHDX8320I** applid DBCTL Restart processing completed after DBCTL failure.

**Explanation:** The user exit XXDFA requested a restart of DBCTL. The restart was initiated successfully.

**System Action:** The active CICS continues normally and will attempt to reconnect to DBCTL.

**User Response:** None. You can suppress this message with the SIT parameter, MSG_LVL=0.

**Destination:** Console

**Module:** DFHDDBC

**XMEOUT Parameter:** applid

---

**DFHDX8321 applid Unable to determine JES affiliation of DBCTL subsystem for reason X’nn’.

**Explanation:** CICS can offer full XRF support only if the DBCTL to which it is connected is running under the same JES as CICS itself.


nn may be one of the following.

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X’08’</td>
<td>An MVS GETMAIN failed.</td>
</tr>
<tr>
<td>X’09’</td>
<td>An MVS ATTACH failed.</td>
</tr>
</tbody>
</table>

**System Action:** The active CICS continues but, in the event of failure, CICS will not attempt to restart DBCTL automatically.

**User Response:** None.

**Destination:** Console

**Module:** DFHDDBC

**XMEOUT Parameters:** applid, X’nn’

---

**DFHDX8322 applid LOAD request failed for xxxxxxxx. DBCTL/XRF support will not be provided for this connection.

**Explanation:** CICS has been notified of a DBCTL failure, but has been unable to load the specified Recovery Service Table (RST) to determine if XRF support is required.

**System Action:** CICS continues as if no XRF support had been requested for the failing DBCTL subsystem.

**User Response:** Re-link-edit a valid RST into STEPLIB. DBCTL may have to be restarted manually.

**Destination:** Console

**Module:** DFHDDBC

---

**DFHDX8323 applid Enable to complete search for DBCTL alternate.

**Explanation:** CICS has been notified of a DBCTL failure, but has been unable to complete the search for a DBCTL alternate, possibly due to an unexpected return code from an IEFSSREQ request.

**System Action:** CICS continues as if no DBCTL alternate had been found. An ADDI transaction dump will be produced. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** It may be necessary to restart DBCTL manually.

**Destination:** Console

**Module:** DFHDDBC

**XMEOUT Parameter:** applid

---

**DFHDX8324 applid Unable to restart DBCTL xxxxxxxx for reason X’n’n’.

**Explanation:** CICS was unable to restart DBCTL owing to an internal failure indicated by the value of n. n may be one of the following.


<table>
<thead>
<tr>
<th>n</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X’08’</td>
<td>An MVS GETMAIN failed.</td>
</tr>
<tr>
<td>X’09’</td>
<td>An MVS ATTACH failed.</td>
</tr>
</tbody>
</table>

**System Action:** The active CICS continues but was not able to restart DBCTL automatically. However, it will attempt to reconnect to DBCTL in the normal way.

**User Response:** It may be necessary to restart DBCTL manually.

**Destination:** Console

**Module:** DFHDDBC

**XMEOUT Parameters:** applid, xxxxxxxx, X’n’n’

---

**DFHDX8325 applid Restart command issued unsuccessfully to subsysid for reason X’xx’, X’yy’.

**Explanation:** The user exit XXDFA requested a restart of DBCTL. The restart request was issued to subsysid but was rejected with hexadecimal reason codes X’xx’ and X’yy’.

**System Action:** The active CICS continues normally and will attempt to reconnect to DBCTL.

**User Response:** It may be necessary to restart DBCTL manually.

**Destination:** Console

**Module:** DFHDDBC

**XMEOUT Parameters:** applid, subsysid, X’xx’, X’yy’

---

**DFHDX8326 applid DBCTL state message lost owing to message services error.

**Explanation:** The active CICS system was unable to report a change of DBCTL connection status to the alternate.

**System Action:** The active system writes an error entry in its CAVM status record, but otherwise continues normally.

**User Response:** Check for any other messages relating to CAVM data set problems.
Were the CICS alternate to take over now it might try to restart the wrong DBCTL. There would be no database integrity exposure but there might some loss of availability as well as operational inconvenience. It may be preferable to cancel the alternate and restart it, either manually or via an overseer.

**Destination:** Console  
**Module:** DFHDBCT  
**XMEOUT Parameter:** applid

---

**DFHDX8327 applid DBCTL state message lost owing to CAVM services failure.**

**Explanation:** The active CICS system was unable to report a change of DBCTL connection status to the overseer.

**System Action:** Processing continues.

**User Response:** Check for any other CICS messages relating to CAVM data set problems (DFH66xx).

Were the overseer to oversee a takeover now it might try to restart the wrong DBCTL. There would be no database integrity exposure but there might some loss of availability as well as operational inconvenience.

If the overseer is being used to control XRF takeovers then disconnecting and reconnecting to the DBCTL will cause a re-write of the status record.

**Destination:** Console  
**Module:** DFHDBCT  
**XMEOUT Parameter:** applid

---

**DFHDX8328 applid Unable to determine Jes affiliation of (jobname, jobid).**

**Explanation:** CICS can offer full XRF support only if the DBCTL to which it is connected is running under the same JES as CICS itself.

**System Action:** The active CICS continues, but, in the event of failure, CICS will not attempt to restart DBCTL automatically.

**User Response:** It is recommended that DBCTL should be run under the same JES as the active CICS system.

The message indicates that either a system or set-up problem has occurred. If there is a system problem then message DFHDX8321 will also be displayed.

**Destination:** Console  
**Module:** DFHDBCT  
**XMEOUT Parameters:** applid, jobname, jobid

---

**DFHDX8329 applid Restart request after DBCTL failure ignored for reason X'nn'.**

**Explanation:** The user exit XXDFA requested a restart of DBCTL. This request has been ignored for the reason indicated by nn.

The reason code nn should be one of the following.

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>X'09'</td>
<td>There is no alternate DBCTL to be restarted.</td>
<td></td>
</tr>
<tr>
<td>X'10'</td>
<td>Possibly, the DBCTL subsystem is under a different JES from the active CICS system.</td>
<td></td>
</tr>
<tr>
<td>X'11'</td>
<td>The DBCTL subsystem was an IMS DB/DC system.</td>
<td></td>
</tr>
</tbody>
</table>

**System Action:** The active CICS continues as if the user exit had indicated ‘no action’.  

---

**DFHDX8330 applid IMS DB/DC region has requested XRF support.**

**Explanation:** This message is produced when CICS connects to an IMS system for which the user has requested XRF support (via the RST), but which is unable to participate in XRF. For example, in an IMS/DC system without the XRF option.

**System Action:** The system continues to run without XRF.

**User Response:** Either enable IMS/DC for XRF, or remove SSID from RST.

**Destination:** Console  
**Module:** DFHDBCT  
**XMEOUT Parameter:** applid

---

**DFHDX8331 applid CAVM message input service error xxxxxxxx, X'nn', xxxxxxxx.**

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

**System Action:** The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

**User Response:** Check for any other messages relating to CAVM data set problems. In the event of a takeover it may be necessary to restart DBCTL manually.

**Destination:** Console  
**Module:** DFHDBCR  
**XMEOUT Parameters:** applid, xxxxxxxx, X'nn', xxxxxxxx

---

**DFHDX8332I applid Connection to xxxxxxxx notified after xxxxxxxx failure initiated takeover.**

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received a message from the CAVM message input service after a takeover decision from the global user exit XXDFB has been accepted.

This problem is usually caused by a setup or an operational error.

**System Action:** The takeover continues. If the message is a notification of a successful connection, then the global user exit XXDTO may be driven.

**User Response:** In order for the active CICS system to reconnect to an element of the RSE, a DBCTL must have been restarted in the active CEC. Consequently, the alternate CICS will not be able to restart an element of the RSE in the alternate CEC without terminating this new active DBCTL.

The global user exit XXDTO will be driven as part of CICS takeover processing. This exit could be used to request a takeover of the DBCTL that was restarted in the active CEC.

Locate and correct any setup or operational errors.
Chapter 1. DFH messages

**DFHDX8335 applid Unable to complete search for DBCTL alternate.**

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been unable to complete its search for a DBCTL alternate, possibly due to an unexpected return code from an IEFSSREQ request.

**System Action:** The tracking transaction continues as if no DBCTL alternate had been found. An ADMD transaction dump will be produced.

**Destination:** Console

**Module:** DFHDBCR

**XMEOUT Parameter: applid**

**DFHDX8336 applid Unable to provide DBCTL/XRF support for reason: X'nn'.**

**Explanation:** The user exit XXDFB or XXDTO requested a restart of DBCTL. This request has been ignored for the reason indicated by the value of nn.

**ffX** may be one of the following.

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'46'</td>
<td>No valid RST was found. Refer to DFHDX8334.</td>
</tr>
<tr>
<td>X'50'</td>
<td>DBCTL subsystem is an IMS DB/DC system.</td>
</tr>
<tr>
<td>X'51'</td>
<td>There is no alternate DBCTL to be restarted.</td>
</tr>
<tr>
<td>X'52'</td>
<td>The DBCTL subsystem is, or may be, under a different JES from the active CICS system.</td>
</tr>
<tr>
<td>X'53'</td>
<td>The active CICS system has already attempted a restart of DBCTL.</td>
</tr>
</tbody>
</table>

**System Action:** The alternate CICS continues as if the user exit had indicated 'no action'.

**User Response:** Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options.

**Destination:** Console

**Module:** DFHDBCR

**XMEOUT Parameters: applid, X'nn'**

**DFHDX8337 applid Takeover request rejected by CAVM, reason code X'nn'.**

**Explanation:** The user exit XXDFB requested a takeover as a result of a DBCTL failure, but the CAVM rejected the takeover request.

**System Action:** The alternate CICS continues as if the user exit had indicated 'no action'.

**User Response:** Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options. The message indicates that a CICS internal error has occurred, normally as a result of an earlier problem. It may be necessary to initiate a manual CICS takeover.

**Destination:** Console

**Module:** DFHDBCR

**XMEOUT Parameters: applid, X'nn'**
DFHDX8338 applid Unable to issue command command to subsysid for reason X’nn’. 

Explanation: The user exit XXDFB/XXDTO issued a restart request to the DBCTL/XRF tracking task, the task was unable to process the request for the reason indicated in the message.

The issued command should either be a switch system backup command or an ERE command.

The reason code X’nn’ should be one of the following.

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X’09’</td>
<td>MVS GETMAIN failure</td>
</tr>
<tr>
<td>X’10’</td>
<td>MVS ATTACH failure.</td>
</tr>
</tbody>
</table>

System Action: The takeover continues.

User Response: Restart the DBCTL subsystem manually.

Destination: Console

Module: DFHDDBC

XMEOUT Parameters: applid, command, subsysid, X’nn’

DFHDX8339 applid command command issued unsuccessfully to subsysid for reason X’nn’.

Explanation: The DBCTL/XRF tracking task issued a restart command (either switch or ERE) to an alternate DBCTL subsystem due to a request from user exit XXDFB/XXDTO. The request was rejected for reason X’nn’.

The DBCTL/XRF tracking task started in an invalid environment reason X’nn’.

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been started in an environment which does not support DBCTL/XRF.

Reason code X’nn’ may be one of the following.

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X’65’</td>
<td>XRF=NO specified in the SIT.</td>
</tr>
<tr>
<td>X’67’</td>
<td>CICS system is running as active.</td>
</tr>
<tr>
<td>X’69’</td>
<td>MVS GETMAIN failure.</td>
</tr>
</tbody>
</table>

System Action: The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover.

User Response: The user response depends on the reason code issued.

For reasons X’65’, X’67’, there is a possible error in CICS code. In this case you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

For reason X’69’, specify a smaller overall size limit for the EDSAs.

Destination: Console

Module: DFHDDBC

XMEOUT Parameters: applid, command, subsysid, X’nn’

DFHDX8340 applid DBCTL tracking task started in an invalid environment reason X’nn’.

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been started in an environment which does not support DBCTL/XRF.

Reason code X’nn’ may be one of the following.

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X’09’</td>
<td>MVS GETMAIN failure</td>
</tr>
<tr>
<td>X’10’</td>
<td>MVS ATTACH failure.</td>
</tr>
</tbody>
</table>

System Action: The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover.

User Response: The user response depends on the reason code issued.

For reasons X’65’, X’67’, there is a possible error in CICS code. In this case you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

For reason X’69’, specify a smaller overall size limit for the EDSAs.

Destination: Console

Module: DFHDDBC

XMEOUT Parameters: applid, command, subsysid, X’nn’

DFHDX8341I applid Takeover request accepted.

Explanation: The DBCTL/XRF tracking task issued a takeover request due to a request from user exit XXDFB. The request has been accepted.

System Action: The takeover continues.

User Response: None. You can suppress this message with the system initialization parameter MSGVLVL = 0.

Destination: Console

Module: DFHDDBC

XMEOUT Parameter: applid

DFHDX8342I applid Restart command issued successfully.

Explanation: The DBCTL/XRF tracking task issued a restart command to an alternate DBCTL subsystem due to a request from user exit XXDFB/XXDTO. The request was issued successfully.

System Action: Takeover continues.

User Response: None. You can suppress this message with the system initialization parameter MSGVLVL = 0.

Destination: Console

Module: DFHDDBC

XMEOUT Parameter: applid

DFHEMxxxx messages

DFHEM0001 applid An abend (code aaa/bbbb) has occurred at offset X’offset’ in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHEM0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a
DFHEM0101I applid Event Manager initialization has ended.

Explanation: Event manager domain initialization has completed successfully.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console
Module: DFHEMDM
XMEOUT Parameter: applid

DFHERxxxx messages

DFHER2813I applid Program DFHRCEX cannot be found

Explanation: CICS cannot find DFHRCEX in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHRCEX in a partitioned data set in the DFHRPL DD statement.

Destination: Console
Module: DFHTCBP, DFHUSBP
XMEOUT Parameter: applid

DFHER5730 applid User recovery beginning

Explanation: During warm or emergency restarts CICS issues this message when it is about to start processing records from the system log.

System Action: If the global user exit XRCINIT is enabled, it is invoked with an indication that this is the initial call. Processing continues.

User Response: None.

Destination: Console
Module: DFHAPRC
XMEOUT Parameter: applid

DFHER5731 applid No active user records on the system log

Explanation: During warm or emergency restarts CICS issues this message when it has completed its scan of the system log and has found no active user journal records. Active user journal records are those written to the system log by one of the following:
- A unit of work that was in flight or in doubt when the preceding CICS system terminated.
- An application request in which the high order bit of the JTYPEID value was set to 1 (provided that the record lies within the compass of the restart system log scan).
- The XAKUSER global user exit during the last completed activity keypoint.

If there are such active user journal records, they are presented to the global user exit XRCINPT and this message is not issued.

System Action: Processing continues.

User Response: None.
DFHER5732

Destination: Console
Module: DFHAPRC
XMEOUT Parameter: applid

DFHER5732 applid User recovery completed

Explanation: During warm or emergency restarts CICS issues this message when it has finished processing records from the system log. Any active user journal records have by now been presented to the global user exit XRCINPT. Active user journal records are those written to the system log by one of the following:

- A unit of work that was in flight or in doubt when the preceding CICS system terminated.
- An application request in which the high order bit of the JTYPEID value was set to 1 (provided that the record lies within the compass of the restart system log scan).
- The XAKUSER global user exit during the last completed activity keypoint.

System Action: If the global user exit XRCINIT is enabled, it is invoked with an indication that this is the final call. Processing continues.

User Response: None.
Destination: Console
Module: DFHAPRC
XMEOUT Parameter: applid

DFHEXxxxx messages

DFHEX0001 An abend (code aaaa/bbbb) has occurred in module modname.

Explanation: An unexpected program check or abend aaaa/bbbb has occurred in module modname. This implies that there may be an error in external CICS interface code.

Alternatively, unexpected data has been passed on an external CICS interface call or storage has been overwritten.

The code aaaa/bbbb is, if applicable, a 3-digit hexadecimal MVS system completion code aaaa (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code bbbb, which follows aaaa, is, if applicable, a user abend code produced by the external CICS interface. If the user abend code is not applicable, this field is filled with four hyphens.

System Action: An exception entry is made in the external CICS interface internal trace table, and to the GTF if it is active, (X’code’ in the message). A system dump is taken. A unit of work that was in flight or in doubt when the preceding CICS system terminated.

User Response: Look up the MVS code aaaa, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

DFHEX0003 A GETMAIN request in module modname (code X’code’) has failed. Reason X’rc’.

Explanation: An MVS GETMAIN was issued by module modname, but it failed with return code rc.

The code X’code’ is the exception trace point ID which uniquely identifies the place where the MVS GETMAIN was issued.

System Action: An exception entry is made in the EXCI internal trace table (code X’code’ in the message). This is a critical error and the EXCI request is terminated. The external CICS interface attempts to recover to a consistent state so that further EXCI requests can be issued.

For applications using the EXCI CALL API, the EXCI_REASON returned to the application indicates the point of failure.

For applications using the EXCI EXEC API, the point of failure is returned in the EXEC_RESP2 field of the RETCODE area.

For EXCI_REASON and EXCI_RESP of 603, the EXCI module in the message). A system dump is taken.

User Response: Look up the MVS GETMAIN return code rc in the relevant MVS codes manual.

If the reason is insufficient storage, try increasing the size of the region for the batch EXCI job.

You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Modules: DFXHCPRH, DFHXCEIP

DFHEX0002 A severe error (code X’code’) has occurred in module modname.

Explanation: An error has been detected in module modname. The code X’code’ is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry is made in the EXCI internal trace table and to GTF if it is active, (X’code’ in the message). A system dump is taken.

This is a critical error and the EXCI request is terminated. The external CICS interface attempts to recover to a consistent state so that further EXCI requests can be issued. For applications using the EXCI CALL API, the EXCI_REASON returned to the application indicates the reason for the error. For applications using the EXCI EXEC API, the reason is returned in the EXEC_RESP2 field of the RETCODE area.

User Response: This failure indicates a serious error in the external CICS interface code. For further information about the EXCI exception trace entries, refer to the CICS Problem Determination Guide.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Modules: DFXHCPRH, DFHXCEIP
### DFHEX0004

#### DFHEX0004 Jobname: jobname, Stepname: stepname,

**Explanation:** This message accompanies message DFHEX0001 and will provide the jobname, stepname, procname, Sysid in SMF and applid to which the EXCI job is connecting to. If an insert value is unknown or not specified then the message insert will read Unknown. For example, procname and stepname are not mandatory in an EXCI job, if they were omitted and DFHEX0004 was issued then the inserts for procname and stepname will read Unknown.

**System Action:** Follow system action for DFHEX0001.

**User Response:** Follow user response for DFHEX0001.

**Destination:** Console

**Modules:** DFHXCPRH, DFHXCEIP

<table>
<thead>
<tr>
<th>Module</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHXCPRH</td>
<td>DFHXCEIP</td>
</tr>
</tbody>
</table>

---

### DFHEX0100

The installed level of CICS SVC does not support the EXCI call.

**Explanation:** The external CICS interface module DFHXCPRH detected that the level of CICS SVC (DFHCSVC) in use does not support the external CICS interface.

**System Action:** The EXCI request is terminated. An exception trace is made in the EXCI internal trace table, and if GTF is active, in the GTF trace data set. The external CICS interface module DFHXCPRH issues abend 0407 which drives the ESTAE exit. Message DFHEX0001 is issued, and a SYSMDUMP is taken.

**User Response:** Check the level of DFHC SVC installed in the LPA. A CICS/ESA 4.1 level of DFHCSVC is required for the external CICS interface. Generally, the latest level of DFHCSVC must be used when running CICS and the external CICS interface. For more information about installing DFHCSVC see the CICS Transaction Server for OS/390 Installation Guide.

**Destination:** Console

**Module:** DFHXCPRH

---

### DFHEX0110

EXCI SDUMP has been taken. Dumpcode: dumpcode, Dumpid: dumpid.

**Explanation:** This message is issued on successful completion of an MVS SDUMP issued by external CICS interface module DFHXCDMP. An error, signalled by a previous message, caused a call to be made to DFHXCDMP to take a system dump.

The dump code dumpcode is an 8-character system dump code identifying the external CICS interface problem. A system dump code is the EXCI message number with the DFH prefix removed. dumpid is the unique 9-character string identifying this dump.

**System Action:** The EXCI request is terminated.

**User Response:** See the EXCI message indicated by dumpcode for further guidance.

You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHXCDMP.

---

### DFHEX0111

EXCI SDUMP attempted but SDUMP is busy - will retry every five seconds for nnnn seconds.

**Explanation:** At the time of the MVS SDUMP request issued by DFHXCDMP another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. A nonzero value for the dump retry parameter in the DFHXCOPT table means that the external CICS interface waits five seconds before retrying the SDUMP request. If necessary, the external CICS interface retries every five seconds for the total time specified on the retry parameter.

**System Action:** The external CICS interface retries every five seconds for the total time specified on the retry parameter.

**User Response:** None.

**Destination:** Console

**Module:** DFHXCDMP.

---

### DFHEX0112

SDUMP request failed - reason X'nnn':

**Explanation:** An MVS SDUMP request issued from the external CICS interface has failed to complete successfully. The possible reasons, (reason) for the failure are as follows:

- **ONLY PARTIAL DUMP**
  The SYS1.DUMP data set to which the dump is written is not large enough to contain all of the dumped storage.

- **SDUMP BUSY**
  At the time of the MVS SDUMP request issued by the EXCI, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. If a nonzero value is specified for the dump retry parameter in DFHXCOPTS table, the EXCI has retried the SDUMP request every five seconds for the specified period. This message is only issued if SDUMP is still busy after the final retry.

- **STIMER FAILED**
  In order to delay for five seconds before retrying SDUMP after an SDUMP BUSY condition, the EXCI issues an MVS STIMER macro request. MVS has indicated that the STIMER macro has failed.

---

**Chapter 1. DFH messages 253**
DFHEX0113

NO DATA SET AVAILABLE
No SYS1.DUMP data sets were available at the time the SDUMP request was issued.

REJECTED BY MVS, REASON = X'nn'
MVS has rejected the SDUMP request because of user action (for example, specifying DUMP=NO in the MVS IPL) or because of an I/O error or terminating error in the SDUMP routine. X'nn' is the SDUMP reason code.

NOT AUTHORIZED FOR EXCI
SDUMP is not authorized for the external CICS interface.

INSUFFICIENT STORAGE
The EXCI issued an MVS GETMAIN for subpool 253 storage during the processing of the SDUMP request. The GETMAIN has been rejected by MVS.

System Action: The EXCI proceeds as if the dump had been successful.

User Response: The user response depends on the reasons, (reason), for the failure.

ONLY PARTIAL DUMP
Increase the size of the SYS1.DUMP data sets and cause the SDUMP request to be reissuued.

SDUMP BUSY
Cause the SDUMP to be reissued after, if appropriate, increasing the dump retry time in DFHXCOPT.

STIMERM FAILED
Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

NO DATA SET AVAILABLE
Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued.

REJECTED BY MVS, REASON = X'nn'
No action is required if the dump is suppressed deliberately. If the dump has failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the SDUMP reason code X'nn'.

NOT AUTHORIZED FOR EXCI
This reason is unlikely because SDUMP is unconditionally authorized during EXCI initialization, and should be authorized throughout the EXCI run. If you do get this reason, the EXCI AFCB (authorized function control block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE
Ensure sufficient storage is available to MVS for subpool 253 requests.

Destination: Console
Module: DFHXCDMP

DFHEX0114 Incorrect data has been passed for EXCI tracing causing a program check in DFHXCTRP.

Explanation: Some data passed to the external CICS interface (EXCI) trace module DFHXCTRP for addition to the EXCI internal trace table, or GTF trace, caused a program check to occur when an attempt was made to access it.

The most likely cause of this error is incorrect data passed on an EXCI CALL API request that the trace program DFHXCTRP is attempting to access.

System Action: The EXCI request is terminated and a SYSMDUMP is taken.

User Response: Examine the dump to determine the source of the incorrect data.

You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHXCTRI

DFHEX0115 EXCI trace services have been disabled due to a previous error.

Explanation: An error occurred in the external CICS interface (EXCI) trace module DFHXCTRP indicated by message DFHEX0001. In trying to recover from the error, module DFHXCTRI determined that the error was not caused by accessing incorrect data passed to DFHXCTRP, but was due to a program check in DFHXCTRP.

System Action: The EXCI trace facilities are disabled to prevent further errors. A SYSMDUMP is taken.

User Response: See the DFHEX0001 message and the SYSMDUMP to determine the cause of the error.

You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHXCTRI

DFHEX0116 Program check occurred within global trap exit - DFHXCTRA now marked unusable.

Explanation: After making a trace entry, the external CICS interface (EXCI) trace program DFHXCTRA called the EXCI field engineering global trap program DFHXCTRA. A program check occurred during execution of DFHXCTRA.

System Action: The EXCI marks the currently active version of DFHXCTRA as unusable and ignores it on subsequent calls to DFHXCTRP for all subsequent calls made under this TCB. The EXCI request is terminated, and a SYSMDUMP is taken.

User Response: Use the dump to find the cause of the program check.

You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Console
Module: DFHXCTRI
**DFHFCxxxx messages**

**Note:** In cases where standard message inserts such as opid or termid are undefined or cannot be determined, the inserts are replaced by dashes.

---

**DFHFC0001** applid An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively,

- Unexpected data has been input, or
- Storage has been overwritten.

The code aaaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, O1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some further guidance.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHEFRM, DFHFCAT, DFHFCCA, DFHFCDN, DFHFCDTS, DFHFCDTX, DFHFCES, DFHFCLF, DFHF CFR, DFHFCS, DFHFCDIR, DFHFCLJ, DFHFCMT, DFHFCC, DFHFCDOR, DFHFCDQI, DFHFCDQJ, DFHFCDQK, DFHFCDRL, DFHFCDRO, DFHFCDRP, DFHFCDRQ, DFHFCDRS, DFHFCDRV, DFHFCDSD, DFHFCDST, DFHFCDVR, DFHFCDVS

**XMEOUT Parameters:** applid, aaaa/bbbb, X'offset', modname

---

**DFHFC0002** applid A severe error (code X'code') has occurred in module modname.

**Explanation:** An error has been detected in module modname. The code code is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

To discover the cause of the problem, examine the exception trace entry and immediately preceding entries. For further information about CICS exception trace entries, see the CICS Problem Determination Guide.

**System Action:** An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHEFRM, DFHFCAT, DFHFCCA, DFHFCDN, DFHFCDTS, DFHFCDTX, DFHEIFC, DFHFCES, DFHFCLF, DFHFCDR, DFHFCS, DFHFCDIR, DFHFCDLJ, DFHFCDMT, DFHFCC, DFHFCDOR, DFHFCDQI, DFHFCDQJ, DFHFCDQK, DFHFCDRL, DFHFCDRO, DFHFCDRP, DFHFCDRQ, DFHFCDRS, DFHFCDRV, DFHFCDSU, DFHFCDST, DFHFCDVR, DFHFCDVS

**XMEOUT Parameters:** applid, X'code', modname

---

**DFHFC0003** applid Insufficient storage (code X'code') in module modname.

**Explanation:** A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X' code' is the exception trace point ID which uniquely identifies the place where the error was detected.

**System Action:** An exception entry is made in the trace table (code code in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.
DFHFC0004

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from the domain manager, for example), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.

Destination: Console

Module: DFHFCRP

**XMEOUT Parameters:** applid, X+offset, modname

---

DFHFC0004 applid A possible loop has been detected at offset X+offset in module modname.

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X+offset. This is the offset of the instruction which was executing at the time the error was detected.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specified in the dump table that CICS should terminate.

Message DFHE0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 as a system initialization parameter and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

**Modules:** DFHEFRM, DFHFCAT, DFHFCDN, DFHFCMT, DFHFCRL, DFHFCSD, DFHFCST, DFHFCVR, DFHFCVS

**XMEOUT Parameters:** applid, X+offset, modname

---

DFHFC0005 applid A hardware error has occurred (module modname, code X'code'). The Time-Of-Day clock is invalid.

**Explanation:** A hardware error has occurred during the running of module *modname*. The MVS store clock facility is the timing mechanism for the operating system.

The code code is the exception trace point ID which uniquely identifies the place where the error was detected.

**System Action:** An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message to this effect is issued.

Message DFHE0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS store clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

**Module:** DFHFCRP

**XMEOUT Parameters:** applid, modname, X'code'

---

DFHFC0100 applid File Control initialization has started.

**Explanation:** This is an informational message indicating the start of file control initialization.

**System Action:** Initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

**Module:** DFHFCRP

**XMEOUT Parameter:** applid

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DFHFC0101 applid File Control initialization has ended.

**Explanation:** File control initialization has completed successfully.

**System Action:** Initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

**Module:** DFHFCRP

**XMEOUT Parameter:** applid
**Chapter 1. DFH messages**

**DFHFC0102 applid File Control initialization has failed.**

**Explanation:** File control has failed to initialize correctly.

**System Action:** Message DFHS1521 is usually issued and initialization is terminated.

If the failure occurred at a critical stage during file control initialization, CICS initialization is terminated immediately with a dump, and message DFHS1521 is not issued.

**User Response:** The error can be identified by a trace entry, and possibly by a prior message. You should then take action that is appropriate to the error.

**Destination:** Console

**Module:** DFHFCRP

**XMEOUT Parameter:** applid

**DFHFC0103 applid Required module modname could not be loaded.**

**Explanation:** Module modname is required by file control. It could not be loaded because it is missing from the DFHRPL library list.

**System Action:** The system terminates with a system dump and code FC0103.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Ensure that module modname is in the DFHRPL library list.

If this is not the cause of the problem you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHFCIN1, DFHFCRP, DFHFCFS

**XMEOUT Parameters:** applid, modname

**DFHFC0104 applid Unexpected catalog error.**

**Explanation:** File control issued a request to the catalog (CC) domain which failed. This is probably caused by an I/O error on the catalog.

**System Action:** A system dump is produced with code FC0104.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Determine the cause of the error from the messages issued from the catalog domain.

**Destination:** Console

**Module:** DFHFCRP

**XMEOUT Parameter:** applid

**DFHFC0105 applid Entry for file filename cannot be located in the CICS catalog.**

**Explanation:** During file control initialization, an error occurred either while the table manager was linking the AFCT entries to the FCT entries, or while the table manager was searching for the FCTs in order to connect them to the dsname blocks.

**System Action:** CICS initialization is abnormally terminated and a trace entry is made.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Investigate why the catalog has no FCT entry. If this is not the cause of the problem, determine why the FCT could not be found.

**Destination:** Console

**Module:** DFHFCRP

**XMEOUT Parameters:** applid, filename

**DFHFC0106 applid Insufficient storage to satisfy GETMAIN request in module modname.**

**Explanation:** The storage (SM) domain has insufficient space to satisfy a GETMAIN request made during CICS initialization.

**System Action:** A system dump is produced.

**User Response:** None.

**Destination:** Console

**Module:** DFHFCRP

**XMEOUT Parameters:** applid, modname

**DFHFC0107D applid Unable to load File Control table DFHFCTxx. Enter either an alternative suffix, or 'YES', or 'NO'.**

**Explanation:** The file control table, DFHFCTxx could not be found in the DFHRPL library list during a cold or initial start of CICS.

**System Action:** File control initialization waits for a reply to this message.

**User Response:** Reply as follows:
- With a 1 or 2 character suffix to cause file control to load DFHFCTxx, or
- YES to load an unsuffixed FCT, or
- NO to initialize file control without an FCT.

**Destination:** Console

**Module:** DFHFCRP

**XMEOUT Parameters:** applid, xx

**DFHFC0108 applid Invalid reply to message DFHFC0107D. A 1 or 2 character suffix, or YES or NO is required**

**Explanation:** The reply to message DFHFC0107 was invalid. The reply may have been too long or may have contained invalid characters.

**System Action:** Message DFHFC0107 is reissued and initialization waits for a reply.

**User Response:** Reply to message DFHFC0107.

**Destination:** Console

**Module:** DFHFCRP

**XMEOUT Parameter:** applid

**DFHFC0110 applid Error, a xxxx version of DFHFCTxx has been loaded.**

**Explanation:** DFHFCRP loaded DFHFCTxx that was assembled for CICS release xxxx. It is not valid to run CICS with an FCT assembled against a previous release.

**System Action:** File control initialization, and hence CICS, is terminated.

**User Response:** Reassemble DFHFCTxx for the CICS release being used. Cold start CICS.
DFHFC0111

Destination: Console
Module: DFHFCRP
XMEOUT Parameters: applid, xxx, DFHFCTxx

DFHFC0111 applid Error, CICS is attempting to initialize with release xxx of DFP.

Explanation: DFHFCRP detected that CICS was being initialized with data facility product (DFP) level xxx. CICS does not support this level of DFP.

System Action: File control initialization, and hence CICS, is terminated.

User Response: Install a level of DFP supported by this release of CICS.

Destination: Console
Module: DFHFCRP
XMEOUT Parameters: applid, xxxx

DFHFC0112 applid Install of remote FCT entry filename failed.
SYSID sysid, specified in the entry, is the local SYSID.

Explanation: DFHFCRP attempted to install file filename from the assembled FCT. The install failed because the file was defined as TYPE=REMOTE but the SYSIDNT specified, sysid, was the system identifier of this local system.

System Action: File filename is not installed and file control initialization continues.

User Response: Examine the entry for filename in the FCT and either make the entry a local entry (TYPE=FILE) or correct the SYSIDNT specified.

Destination: Console
Module: DFHFCRP
XMEOUT Parameters: applid, filename, sysid

DFHFC0116 applid The load of callable service IGWARLS has failed with return code X'eeee'.

Explanation: Callable service IGWARLS is required by file control for processing files which have update SERVRQs and are using the VSAM catalog as a repository for data set recovery attributes. The load of IGWARLS requested by file control initialization has failed. This is a serious problem because CICS is using a level of VSAM that supports use of the VSAM catalog for specifying data set recovery attributes.

System Action: CICS initialization fails.

User Response: Use the VSAM codes to determine the cause of the problem. The most likely cause of this failure is that the SMSVSAM server failed at the time of the error. For the meaning of the VSAM codes, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets. When the condition that caused the lock release to fail has been resolved, you may need to retry the unit of work using CEMT SET DSNAME RETRY or EXEC CICS SET DSNAME(dsname) ACTION(RETRY).

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHFCRP
XMEOUT Parameters: applid, X'eeee'

DFHFC0118 applid System initialization parameter requesting RLS support has been ignored because the level of VSAM does not support RLS.

Explanation: RLS=YES has been specified on CICS startup but the level of VSAM does not support RLS access.

System Action: CICS initialization continues without RLS support.

User Response: If you intend to use RLS access ensure that the level of VSAM is DFSMS 1.3 or later.

Destination: Console
Module: DFHFCRP
XMEOUT Parameter: applid

DFHFC0150 date time applid termid tranid An attempt to release locks for unit of work X'uowid' failed. VSAM return code X'rrrr' reason code X'cccc'.

Explanation: Unit of work uowid for tranid has attempted to release its RLS locks. The release locks request made to VSAM has failed because VSAM detected an error.

The IDALKREL response is rrrr and the reason code is cccc. termid identifies the terminal running this transaction.

System Action: CICS continues with the completion of the unit of work.

The unit of work is shunted. The shunt reason indicates that a further release locks attempt is required.

Some records may remain locked until a successful lock release command can be processed by VSAM.

If the failure is caused by the SMSVSAM server being unavailable, CICS automatically retries the completion of the UOW when the server becomes available.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the VSAM codes to determine the cause of the problem. If the failure persists, this is likely to be an internal CICS error. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
DFHFC0151  date time applid termid tranid An attempt to retain locks for unit of work X'uowid' failed. VSAM return code X'rrrr' reason code X'cccc'.

Explanation: Unit of work uowid for transaction tranid has gone indoubt because it has lost contact with its coordinating system. Consequently CICS has attempted to convert all RLS locks owned by this unit of work into retained locks. This attempt has failed because VSAM has detected an error.

The IDARETLK macro response is rrr and the reason code is cccc. termid identifies the terminal running this transaction.

System Action: CICS continues shunting this unit of work. It is possible that some locks may remain as active locks (which cause other transactions to wait until their timeout value is reached) rather than as retained locks (which cause other transactions to encounter LOCKED responses).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets. The most likely reason for the failure to convert locks into retained locks is that the SMSVSAM server was not available. Other VSAM codes may indicate a more severe error.

Normally no other action should be necessary. When contact is reestablished, the coordinating system instructs this system to commit or backout. At the end of commit or backout, all retained and active locks are released.

A problem that you may encounter is that some locks may have been left as active locks. This may cause slow response (and eventual failures) from transactions that wait for these locks and have to wait for their full timeout interval.

In this case, you can use the CEMT SET UOW command to force all in-doubt units of work to commit or backout, or to make a decision to commit or backout according to the ACTION attribute in the transaction definition. Alternatively, you can use the CEMT SET DSNAME command which will force all in-doubt units of work which had updated the specified data set. However, you should not normally use these commands because they can cause this CICS to become out of step with its coordinating system with consequent loss of data integrity.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCCA

XMEOUT Parameters: date, time, applid, termid, tranid, X'uowid', X'rrrr', X'cccc'

DFHFC0152  date time applid termid tranid An attempt to retain locks for data set within unit of work X'uowid' failed. VSAM return code X'rrrr' reason code X'cccc'.

Explanation: Unit of work uowid for transaction tranid has failed backout for one of its data sets. CICS has attempted to convert all the RLS locks owned by this unit of work that are associated with the failing data set into retained locks. This attempt has failed because VSAM has detected an error.

The IDARETLK response is rrr and the reason code is cccc. termid identifies the terminal running this transaction.

This message is followed by message DFHFC0312 which identifies the failing data set.

System Action: CICS continues shunting this unit of work. Some locks may remain as active locks (which cause other transactions to wait until their timeout value is reached) rather than as retained locks (which cause other transactions to encounter LOCKED responses).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets. The most likely reason for the failure to convert locks into retained locks is that the SMSVSAM server was not available. It is also possible to get a failure because the specified logical unit of work ID does not exist for the subsystem (that is, the unit of work does not hold any locks) during lost locks recovery, or after a CICS restart which specified OFFSITE=YES as a system initialization override. If you are performing RLS lost locks recovery, message DFHFC0555 will have been issued when lost locks recovery started; if you are performing RLS offsite recovery, message DFHFC0574 will have been issued during file control initialization. Other VSAM codes may indicate a more severe error.

Normally no other action is necessary. When the condition that caused the backout failure has been resolved, the backout of this unit of work is retried. If the attempt to retry the backout succeeds, all locks are released.

Message DFHFC4701 specifies the cause of the backout failure. The most common cause of backout failures is a hardware problem causing I/O errors. In this case the data set needs to be restored and forward recovered. If CICSVR (or a functionally equivalent product) is used to perform forward recovery, and the data set was being accessed in RLS mode, units of work that have failed backout for this data set are retried automatically. If the data set was quiesced, you need to unquiesce it to allow the backout to succeed. When the data set is unquiesced, CICS automatically retries the backout.

Backouts may also be retried using

CEMT SET DSNAME RETRY

or

EXEC CICS SET DSNAME(dsname) ACTION(RETRY)


The only problem that you may encounter is that some locks may have been left as active locks. This can cause a slow response (and eventual failures) from transactions that wait for these locks and have to wait for their full timeout interval.

In this case, consider releasing all locks held against this data set using the CEMT SET DSNAME RESETLOCKS command. This command should only be considered in extreme cases because it discards both the retained locks held by this CICS system against the named data set and all associated log records. The consequence is that the corresponding backout operations are never performed and data integrity is lost.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCCA

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DFHFC0153

XMEOUT Parameters: date, time, applid, termid, tranid, 'uowid', 'rrrr', 'cccc'

DFHFC0153 applid The previous instance of the SMSVSAM server has failed. File control RLS access is being closed down.

Explanation: The SMSVSAM server is the separate VSAM address space that handles all VSAM requests made in RLS mode. The instance of this address space which CICS has been using has terminated, and CICS has just detected the failure. CICS must close down all accesses from file control to this instance of the SMSVSAM server in order to be able to register with the next server instance when the server restarts.

If message DFHFC0568 is issued before DFHFC0153, CICS did not detect the failure until the server restarted and notified CICS that a new instance was available. If message DFHFC0568 is not issued before DFHFC0153, CICS detected the failure when it tried to access the failed instance of the server.

System Action: CICS disables all further RLS accesses, closes all files which were open in RLS mode, and attempts to unregister the RLS control ACB.

Transactions that attempt to access files previously opened in RLS mode abend. The abend code depends upon what the transaction was doing at the time of the failure.

User Response: The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHFCRS
XMEOUT Parameters: applid, tranid, termid, userid, dsname, filename, X'code'

DFHFC0158 applid vsam-error-data

Explanation: This message displays additional VSAM diagnostic information that is available following I/O errors and cache failures. The message is provided for information only.

The format of the data contained in message DFHFC0158 is described in DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets. in the section describing the physical error message format. This is a common data format used by other IBM products following I/O errors.

This message is issued after messages DFHFC0157, DFHFC0162 and DFHFC0163 and provides additional information to go with those messages.

System Action: Processing continues.

User Response: See the description of the associated preceding message (DFHFC0157, DFHFC0162 or DFHFC0163.)

Destination: Console
Modules: DFHFCRS, DFHFCVS
XMEOUT Parameters: applid, vsam-error-data

DFHFC0159 applid A request issued to cold start the RLS subsystem has failed. VSAM return code X'mrr' reason code X'cccc'

Explanation: A cold or initial start of CICS has been requested. CICS has made a call to the RLS component of VSAM which requested RLS to cold start its status with respect to this CICS. This request has failed because VSAM RLS detected an error while performing cold start processing.

System Action: CICS continues to initialize. However, the restart of the RLS component of file control has failed and all RLS eligible files are unusable.
DFHFC0160 applid An attempt to notify VSAM that CICS has completed lost locks processing for a data set has failed. VSAM return code X'rrrr', reason code X'cccc'.

**Explanation:** Following a failure of the VSAM lock structure, VSAM has marked a data set as being in lost locks state with regard to this CICS. CICS has performed all recovery actions necessary to resolve its locks against this data set and has attempted to inform VSAM that it has completed its recovery. This attempt has failed.

The VSAM response is rrrr and the VSAM reason is cccc.
This message is followed by message DFHFC0312 which identifies the failing data set.

**System Action:** If the VSAM return code does not indicate that the SMSVSAM server has failed, CICS takes a system dump.

**User Response:** The most likely cause of this failure is that the SMSVSAM server failed at the time that CICS issued the request. If the problem was caused by the SMSVSAM server having failed at the time that the request was issued, restart the SMSVSAM server (if it has not already automatically restarted). Otherwise, you can make CICS retry the attempt to notify VSAM of the completion of lost locks processing either by restarting CICS or by restarting the SMSVSAM server.

It is possible that your installation may have performed some action, such as deleting the data set, which would cause VSAM not to recognise the data set and therefore return an error. If this is the case for the data set named in message DFHFC0312 then you need take no further action.

If the VSAM return and reason codes suggest an internal CICS or VSAM error, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console
**Module:** DFHFCCA
**XMEOUT Parameters:** applid, X'rrrr', X'cccc'

DFHFC0161 applid Inquire recovery has failed. VSAM return code X'rrrr', reason code X'cccc'.

**Explanation:** During restart CICS has issued an inquire recovery request to VSAM. This request has failed because VSAM has detected an error.

**System Action:** CICS restart continues. All RLS files are unusable.

If the VSAM return code does not indicate that the SMSVSAM server has failed, CICS later issues message DFHFC0001 which has an associated system dump.

**User Response:** The most likely cause of this failure is that the SMSVSAM server failed at the time that CICS issued the request. In that case you should restart the SMSVSAM server, if it has not already automatically restarted. There is no need to restart CICS.

If the VSAM return and reason codes indicate an internal CICS or VSAM error, keep the dump from message DFHFC0001. You will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console
**Module:** DFHFCCA
**XMEOUT Parameters:** applid, X'rrrr', X'cccc'

DFHFC0162 applid A VSAM data cache has failed.

**Explanation:** A data cache structure being used by VSAM RLS has failed.

**System Action:** The application request which encountered the error receives an 'IOERR' response.

CICS also issues message DFHFC0158 to display the VSAM diagnostic information for this error. The name of the failing cache can be derived from the information displayed in the following DFHFC0158 message.

While the data cache remains unusable, all data sets bound to this cache are also unusable. Any attempt to read from or write to such a data set cause an IOERR response.

CICS issues messages DFHFC0162 and DFHFC0158 the first time that an I/O request fails because of a cache failure. To prevent flooding the console with messages, CICS does not display these messages again until it is notified that a cache has been recovered. If several caches fail, DFHFC0162 and DFHFC0158 are only displayed for the first cache to fail. However, VSAM issues messages for all failed caches.

**User Response:** Allocate a new data cache and bring it on line to VSAM.

CICS is notified as soon as the new cache is available and is able to take appropriate recovery action.

**Destination:** Console
**Module:** DFHFCRS
**XMEOUT Parameter:** applid

DFHFC0163 applid Connectivity to a VSAM RLS data cache has been lost.

**Explanation:** Connectivity has been lost to a data cache that is being used by VSAM RLS.

**System Action:** The application request which encountered the error receives an 'IOERR' response.

CICS also displays message DFHFC0158 to display the VSAM diagnostic information for this error. The name of the failing cache
**DFHFC0164**

can be derived from the information displayed in the following DFHFC0158 message.

While the data cache remains unusable, all data sets bound to this cache are also unusable. Any attempt to read from or write to such a data set results in an ‘IOERR’ response.

CICS issues messages DFHFC0163 and DFHFC0158 the first time that an I/O request fails because contact has been lost between the processor running this MVS image and the coupling facility that holds the data cache. To prevent flooding the console with messages, CICS does not display these messages again until it is notified that a cache has been recovered. If contact with several caches is lost, messages DFHFC0163 and DFHFC0158 are only displayed for the first cache to fail. However, VSAM issues messages for all caches for which contact has been lost.

**User Response:** Reestablish contact between the processor running CICS and the coupling facility that contains the cache.

CICS is notified as soon as contact has been reestablished and is able to take appropriate recovery action.

**Destination:** Console

**Module:** DFHFCRS

**XMEOUT Parameter:** applid

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**DFHFC0164**

date time applid tranid trannum termid userid.

There are nn transactions holding this lock.

**Explanation:** This message and the following DFHFC0165 messages are issued to assist in problem determination when transactions abend with the AFCV or AFCW abend codes, or when applications receive the RECORDBUSY condition.

An attempt made by transaction tranid with task number trannum to update a file which is open in VSAM RLS mode has failed because the request timed out waiting to obtain a lock on a record.

VSAM RLS has detected that a request has waited for a lock for more than the timeout interval. However, RLS was unable to detect any deadlock. Possibly there is a deadlock between VSAM RLS requests and requests to another resource manager such as DB2 or DBCTL.

When the timeout occurred there were nn other transactions holding the required lock.

**System Action:** If the application request which encountered the error specified NOSUSPEND, it receives the RECORDBUSY condition and continues. If the request did not specify NOSUSPEND, it receives an AFCV abend.

CICS displays message DFHFC0164 to identify the failing transaction and the number of owners of the lock. CICS also issues message DFHFC0165 once for each lock owner. CICS issues message DFHFC0168 instead of DFHFC0165 in the unlikely event that VSAM RLS is unable to identify the lock owner.

**User Response:** The following DFHFC0165 messages identify the transactions that are holding the required lock and the CICS systems that they are running in. Examine these transactions to see why they are not releasing VSAM RLS locks. For example:

- They may be holding VSAM RLS locks and waiting for terminal input.
- They may be trying to access resources from both VSAM RLS and another resource manager, creating an inter-resource manager deadlock.

**Destination:** CSFL

**Module:** DFHFCRS

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**DFHFC0165**

date time applid tranid trannum termid userid.

Transaction tranid (trannum) unit of work X`uowid` running in job jobname with applid applid2 in MVS mvsid holds [add to end lock / internal lock / exclusive lock on key / shared lock on key ]X`keyid` in data set dsname causing [true / false] contention.

**Explanation:** This message and the preceding message DFHFC0164 or DFHFC0174 are issued to assist in problem determination when transactions abend with the AFCV or AFCW abend codes, or when applications receive the RECORDBUSY condition.

Normally this message appears after VSAM returns a timeout response to CICS. However, it may also appear after VSAM returns a deadlock response to CICS when that deadlock arises as a result of a failure to promote a lock. When this message is associated with a timeout response from VSAM, it is preceded by message DFHFC0164. When this message is associated with a deadlock response from VSAM it is associated with message DFHFC0174.

There is one occurrence of message DFHFC0165 for each transaction currently owning the required lock.

The name of the transaction that has failed is tranid and it has task number trannum.

The message inserts that identify the owner of the lock which caused this transaction to time out are as follows:

- tranid is the name of the transaction running in the system that owns the lock. If the job that holds the lock is not a CICS system, this is displayed as ????.
- tasknum is the task number of tranid. If the job that holds the lock is not a CICS system, this is displayed as ????.
- uowid is the unit of work ID associated with the above transaction. The unit of work ID is also used by VSAM RLS as its logical unit of work ID (luid).
- jobname is the job name of the CICS system that owns the lock.
- applid2 is the applid of the CICS system whose job name was given by the previous insert.
- mvsid is the name of the MVS in which this CICS is running.
- dsname is the name of the data set against which the lock is held.
- keyid identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation. If the message indicates that the transaction is waiting for an add to end lock or an internal lock, no key information is displayed.

The message identifies whether the lock is held as an exclusive lock or a shared lock:

- A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.
- A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

A lock causes true contention if the request was for a lock against the locked key. A lock causes false contention if the request was for a lock against a different key but the lock requests clashed because of the RLS key hashing algorithm which is used when the key length exceeds 16 characters.

**System Action:**
This message is preceded by DFHFC0164 or DFHFC0174. See the description of DFHFC0164 or DFHFC0174 for a description of the system action associated with this message.

**User Response:**
This message is preceded by DFHFC0164 or DFHFC0174. See the description of DFHFC0164 or DFHFC0174 for a description of the user actions associated with this message.

**Destination:** CSFL

**Module:** DFHFCRS

**XMEOUT Parameters:** date, time, applid, tranid, termin, userid, transid, tasknum, X'uowid', jobname, applid2, mvsid, {1=add to end lock, 2=internal lock, 3=exclusive lock on key, 4=shared lock on key}, X'key1', dsname1, {1=true, 2=false}

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**DFHFC0166**

**date** time applid tranid termid userid. VSAM RLS has detected a deadlock. There are no transactions in the deadlock chain.

**Explanation:** This message and the following DFHFC0167 messages are issued to assist in problem determination when transactions abend with AFCW abend codes.

An attempt made by transaction tranid to update a file which is open in VSAM RLS mode has failed because VSAM RLS detected that this request would have caused a deadlock with other transactions.

At the time that the timeout occurred there were no other transactions in the chain which caused deadlock.

**System Action:** The application request which encountered the error receives an AFCW abend.

CICS issues message DFHFC0166 to identify the failing transaction and the number of transactions in the deadlock chain.

CICS also issues message DFHFC0167 once for each transaction involved in the deadlock chain. DFHFC0167 identifies the resource that the transaction is holding and the resource that the transaction is waiting for.

**User Response:** Examine the transactions in the deadlock chain to determine why deadlock arose. If necessary, correct the programming logic to avoid deadlock-creating situations.

For guidance on writing programs that avoid deadlock problems, see the CICS Application Programming Guide.

**Destination:** CSFL

**Module:** DFHFCRS

**XMEOUT Parameters:** date, time, applid, tranid, termin, userid, transid, tasknum, X'uowid', jobname, applid2, mvsid, {1=add to end lock, 2=internal lock, 3=exclusive lock on key, 4=shared lock on key}, X'key1', dsname1, {1=true, 2=false}

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**DFHFC0167**

**date** time applid tranid termid userid. Transaction transid(tasknum) with unit of work id X'uowid' running in jobname/applid2 in MVS mvsid holds (add to end lock | internal lock | exclusive lock on key | shared lock on key) X'key1' on data set dsname1 and is waiting for (add to end lock | internal lock | exclusive lock on key | shared lock on key) X'key2' on data set dsname2.

**Explanation:** This message and the preceding DFHFC0166 message are issued to assist in problem determination when transactions abend with AFCW abend codes.

The preceding message DFHFC0166 reports that a deadlock has been detected and includes how many transactions exist in the deadlock chain.

Message DFHFC0167 is issued once for each transaction in the deadlock chain and includes the resource that transaction holds and which resource it is waiting for.

The message inserts are as follows:

- `transid(tasknum)` is the transaction name and the associated task number of a transaction that owns a lock and is waiting for another lock. If this participant in the deadlock chain is not a CICS system, this will appear as `?????????`.
- `uowid` is the unit of work ID associated with task `transid(tasknum)`. The unit of work is also used by VSAM as the logical unit of work ID (luwid).
- `jobname/applid2` is the job name and applid of the CICS system in which this transaction is running.
- `mvsid` is the name of the MVS in which this CICS job is running.
- `dsname1` is the name of the data set against which this transaction holds a lock.
- `key1` identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation. If the message indicates that an add to end lock or an internal lock is held then no key information is displayed.
- `dsname2` is the name of the data set against which this transaction is attempting to acquire a lock.
- `key2` identifies the key which this transaction is attempting to acquire. If the message indicates that the transaction is attempting to obtain an add to end lock or an internal lock then no key information is displayed.

The message identifies whether the lock is held as an exclusive lock or a shared lock and whether the transaction is attempting to acquire an exclusive or shared lock.

- A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.
- A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

**System Action:** The application request which encountered the error receives an AFCW abend.

**User Response:** See the description of message DFHFC0166.

**Destination:** CSFL

**Module:** DFHFCRS

**XMEOUT Parameters:** date, time, applid, tranid, termin, userid, transid(tasknum), X'uowid', jobname/applid2, mvsid, {1=add to end lock, 2=internal lock, 3=exclusive lock on key, 4=shared lock on key}, X'key1', dsname1, {1=true, 2=false}

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**DFHFC0168**

**date** time applid tranid termin userid. (An exclusive | A shared) lock on key X'keyid' in data set dsname is causing (true | false) contention but the owner of this lock is unknown.

**Explanation:** This message and the preceding DFHFC0164 message are issued to assist in problem determination when transactions abend with AFCV abend codes.

Message DFHFC0168 is issued whenever VSAM RLS is unable to determine the owner of a lock. This is an abnormal condition. It may indicate that a processor in the sysplex is stopped.

`dsname` is the name of the data set against which the lock is held. `keyid` identifies the key which is locked. As it is not always
possible to display keys in character form, the key is displayed in hexadecimal notation.

The message identifies whether the lock is held as an exclusive lock or a shared lock.

• A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.
• A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

A lock causes true contention if the request was for a lock against the locked key. A lock causes false contention if the request was for a lock against a different key but the lock requests clashed as a result of hashing algorithms used in creating RLS keys.

System Action: Processing continues.

User Response: None. The message is issued to assist in problem determination.

Destination: CSFL

Module: DFHFCRS

XMEOUT Parameters: date, time, applid, tranid, termid, userid, {1= An exclusive, 2= A shared}, X’keyid’, dsname, {1=true, 2=false}

DFHFC0169 date time applid termid userid. Transaction tranid with transaction number trannum encountered an RLS retained lock held on data set dsname by unit of work X’uowid’ within CICS with applid applid2.

Explanation: An attempt was made to update a record which is currently held locked by a retained RLS lock.

Message inserts are as follows:

• applid2 is the applid of the CICS system which owns the lock.
• uowid is the identifier of the unit of work that owns the lock.
• dsname is the name of the data set against which the lock is held.

This message is issued to aid in problem diagnosis. It identifies the owner of the lock that is causing a request to fail with a ‘LOCKED’ response.

System Action: The application request which encountered the error receives a ‘LOCKED’ response.

User Response: If repeated LOCKED responses are causing a problem, note the name of the CICS system and the identifier of the unit of work and attempt to find why this unit of work is holding a retained lock. There are three reasons why a unit of work can hold a retained lock.

1. The unit of work was running in a CICS system that has failed. If this CICS system is restarted, the lock is normally released.
2. The unit of work has gone indoubt. Indoubt failures occur as a result of a failure in communication between two CICS systems, neither of which need be the CICS system that is encountering the ‘LOCKED’ response.

From a terminal connected to the CICS system with applid applid2, issue the command

CEMT I UOW(uowid)

or

CEMT I UOWDSNFAIL

to identify the applid of the CICS system that is coordinating the distributed unit of work. Then attempt to reestablish contact between the coordinating CICS and the system that owns the lock.

3. The unit of work has failed backout. From a terminal connected to the CICS system with applid applid2, issue the command

CEMT INQUIRE UOWDSNFAIL DATASET(dname)

to determine the reason why unit of work uowid failed backout while processing data set dsname. There are several reasons why a unit of work can fail backout, each identified by a different reason code from CEMT INQUIRE UOWDSNFAIL. See the CICS Problem Determination Guide for guidance on how to resolve each of these types of backout failure.

Destination: CSFL

Module: DFHFCRS

XMEOUT Parameters: date, time, applid, termid, userid, tranid, trannum, dsname, X’uowid’, applid2

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DFHFC0170 applid An attempt to release locks which are held by RLS but unknown to CICS has failed.

Explanation: An attempt was made to release locks which are held on behalf of this CICS system by the VSAM RLS lock manager, but about which CICS has no knowledge. Such locks are known as “orphan” locks. The attempt to release the locks failed, either because the VSAM RLS server is not available or because there were no locks to release.

System Action: CICS continues. The locks are automatically released after the VSAM RLS server becomes available again.

The presence of these “orphan” locks could prevent the running of non-RLS applications against the data sets which hold such locks. “Orphan” locks can also cause LOCKED responses to be returned to applications running on CICS systems which have access to an available VSAM RLS server and try to update the locked records, or try to read the records with one of the read integrity options.

Since CICS has no knowledge of “orphan” locks, it is not possible to get information about them using CICS API commands.

User Response: If the failure is due to the server not being available, wait for the VSAM RLS server to restart. If it does not restart automatically, determine the reason and attempt to start it manually.

If the failure is due to there being no locks to release, this could either be a result of some user action resulting in locks being deleted such as deleting the data set, or it could indicate a severe VSAM error. If user action is not responsible, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHFCRR

XMEOUT Parameter: applid

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DFHFC0171 applid Lost locks recovery might be delayed by inflight transactions.

Explanation: A coupling facility (CF) lock structure failure has occurred, and SMSVSAM has been unable to rebuild the lock structure dynamically. This has resulted in the loss of VSAM RLS locks. SMSVSAM has notified CICS of this event so that CICS can perform lost locks recovery processing. In the course of this processing, CICS has attempted to purge inflight transactions that hold one or more of the lost locks in order to expedite recovery from the lost locks condition. However, it has not been possible to purge all of the transactions.
Chapter 1. DFH messages

DFHFC0172 applid File control is unable to return to processing on the QR TCB because a change mode request has failed. CICS will terminate.

Explanation: Normally most CICS functions are run on a TCB called the QR TCB. Exceptionally, file control issues OPEN and CLOSE requests on a TCB called the FO TCB. File control may also process VSAM read and write requests on a TCB called the CO TCB if SUBTSKS=1 has been specified in the SIT.

After completing its work on the RO or CO TCB, file control must return to processing on the QR TCB. In order to return to the QR TCB, file control has issued a CHANGE_MODE call to the CICS dispatcher. This request has failed.

System Action: This is a severe error. CICS is unable to continue processing because it must be running on the QR TCB in order to do so. CICS is terminated with a dump.

The dispatcher domain has put out messages to describe the failure in the CHANGE_MODE request.

User Response: See the messages issued by the dispatcher domain for further guidance.

Destination: Console

Modules: DHFCRO, DHFCCA, DFFCRV, DHFCFS

XMEOUT Parameter: applid

DFHFC0173 date time applid VSAM has issued a (deadlock | timeout | locked) response but cannot supply problem determination data.

Explanation: After certain failures, VSAM normally provides problem determination information which CICS uses to issue diagnostic messages and create exception trace entries.

However, although VSAM set a return code indicating that a failure occurred, it is unable to provide any problem determination information.

The failure detected by VSAM RLS is one of the following:
- A deadlock - CICS normally issues message DHFC0166 and one or more DHFC0167 messages.
- A timeout - CICS normally issues message DHFC0164 and other messages.
- A record locked by a retained lock - CICS normally issues message DHFC0169.

System Action: CICS continues processing the error in the normal way but cannot issue any of the normal problem determination messages or create the usual exception trace entries.

CICS does not take a dump. However, you can request a dump via the dump table in the usual way.

User Response: This indicates an error in VSAM RLS. You may wish to take a dump of the SMSVSAM server. See the appropriate DFSMS/MVS manual for further guidance.

Destination: CSFL

Module: DHFCRS

XMEOUT Parameters: date, time, applid, (1=deadlock, 2=timeout, 3=locked)

DFHFC0174 date time applid tranid trannum termid userid A deadlock has occurred as a result of a lock promote failure. There are nnn transactions holding this lock.

Explanation: This message and the following DHFC0165 messages are issued to assist in problem determination when transactions abend with the AFCW abend code or receive RECORDBUSY response as NOSUSPEND was specified.

An attempt made by transaction tranid with transaction number trannum to update a file which is open in VSAM RLS mode has failed because VSAM has detected a deadlock while attempting to promote a shared lock to become an exclusive lock.

VSAM RLS returns problem determination information to CICS to assist with debugging the deadlock. However, this type of deadlock looks to VSAM like a timeout and thus the information returned to CICS looks like the information returned after a timeout. Hence this message is followed by one or more DHFC0165 messages instead of the DHFC0167 messages which follow other types of deadlocks.

When the deadlock occurred there were nnn other transactions holding the required lock.

System Action: The transaction receives an AFCW abend or RECORDBUSY response.

CICS displays message DHFC0174 to identify the failing transaction and the number of owners of the lock. CICS also issues message DHFC0165 once for each lock owner. CICS issues message DHFC0168 instead of DHFC0165 in the unlikely event that VSAM RLS is unable to identify the lock owner.
User Response: The following DFHFC0165 messages identify the transactions that are holding the required lock and the CICS systems that they are running in. Examine these transactions to determine why they are not releasing VSAM RLS locks. Examine other RLS resources they acquire to determine whether this could cause a deadlock with the failing transaction.

Destination: CSFL
Module: DFHFCRS
XMEOUT Parameters: date, time, applid, tranid, trannum, termid, userid, nnn

DFHFC0200 date time applid (RLS | Non-RLS) file filename has been allocated to data set dataset. Module module.
Explanation: This message provides a record of the dynamic allocation of the file filename to the data set dataset.
System Action: Processing continues.
User Response: None.
Destination: CSFL
Modules: DFHFCN, DFHFCRO
XMEOUT Parameters: date, time, applid, {1=RLS, 2=Non-RLS}, filename, dataset, module

DFHFC0201 date time applid (RLS | Non-RLS) file filename has been deallocated. Module module.
Explanation: This message provides a record of the dynamic deallocation of the file filename.
System Action: Processing continues.
User Response: None.
Destination: CSFL
Modules: DFHFCN, DFHFCRO
XMEOUT Parameters: date, time, applid, {1=RLS, 2=Non-RLS}, filename, module

DFHFC0202 date time applid terminal userid tranid FCT entry for filename has been added.
Explanation: This message provides the system with a record of the dynamic addition of a remote file filename.
System Action: Processing continues.
User Response: None.
Destination: CSFL
Module: DFHFCMT.
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, filename

DFHFC0203 date time applid terminal userid tranid FCT entry for filename has been deleted.
Explanation: This message provides a record of the dynamic deletion of FCT entry filename.
This occurs when a file, which already exists in the system, is being installed using RDO. It should be followed by message DFHFC0202 indicating that the new file definition has been added.
System Action: Processing continues.
User Response: None.
Destination: CSFL
Module: DFHFCMT.
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, filename

DFHFC0204 date time applid terminal userid tranid FCT entry for filename has been updated.
Explanation: This message provides a record of updates to an FCT entry other than OPEN, CLOSE, ENABLE and DISABLE.
An FCT entry is updated by an EXEC CICS SET FILE command or by a CEMT SET FILE command.
System Action: Processing continues.
User Response: None.
Destination: CSFL
Module: DFHFCMT.
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, filename

DFHFC0205 date time applid terminal userid tranid SHRCTL block for LSR pool lsrpool has been updated.
Explanation: This message provides a record of the updates to a SHRCTL block.
A SHRCTL block exists for VSAM LSR pools 1–8 and is updated by an RDO install of an LSRPOOL object.
System Action: Processing continues.
User Response: None.
Destination: CSFL
Module: DFHFCRL.
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, lsrpool

DFHFC0206 date time applid terminal userid tranid AFT entry for filename has been added.
Explanation: This message provides the system with a record of the dynamic addition of a remote file filename.
System Action: Processing continues.
User Response: None.
Destination: CSFL
Module: DFHAFTM.
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, filename

DFHFC0207 date time applid terminal userid tranid AFT entry for filename has been deleted.
Explanation: This message provides a record of the dynamic deletion of a remote file filename.
This occurs when a remote file, which already exists in the system, is being deleted using RDO.
System Action: Processing continues.
User Response: None.
Destination: CSFL
Module: DFHAFTM.
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, filename
**Chapter 1. DFH messages**

**DFHFC0208I**  
**applid** LSR pool *n* is being built dynamically by CICS because all of the necessary parameters have not been supplied. Either there is no LSRPOOL definition or it is incomplete. The following are not defined: 'CISIZE', 'STRINGS', 'MAXKEYLENGTH'. A delay is possible.  

**Explanation:** If one or more of the parameters, CI size, strings and maxkeylength are not defined for a LSR pool, either because there is no LSRPOOL definition or it is incomplete, then CICS will calculate the size by using information from the VSAM Catalog for data sets allocated to this LSR pool.  

**System Action:** CICS will issue SHOWCATS to obtain the information necessary to calculate the LSR pool size. If any data sets have been migrated the SHOWCAT could take longer than expected.  

**User Response:** If there are severe delays due to SHOWCAT processing, you will have to wait for migrated data sets to be recalled, and for the calculation of the LSR pool size to complete. If you wish to avoid similar problems in the future, consider defining the LSR pool explicitly. The missing parameters are contained in this message.  

Normally, you will not experience delays, in which case no user action is required.  

You can suppress this message with the system initialization parameter, MSGGLVL=0.  

**Destination:** Console  

**Module:** DFHFCBD  

**XMEOUT Parameters:** applid, tranid, termid, filename

**DFHFC0301**  
**applid (tranid termid)** purge deferred due to incomplete I/O operation on BDAM file `*filename*`.  

**Explanation:** An attempt has been made to purge a transaction using FORCE. Transaction `tranid` is currently waiting for completion of an I/O operation on the BDAM file `*filename*`. `termid` identifies the terminal running this transaction. The data set name appears in message DFHFC0305 which follows this message.  

**System Action:** The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O operation is completed, the transaction is terminated with transaction abend code AFCY.  

**User Response:** If the transaction does not terminate within a few seconds, the I/O wait might be genuine (for example, another CEC has reserved the DASD volume). If this is the case, wait until the I/O situation is relieved before trying again.Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.  

**Destination:** Console  

**Module:** DFHFCVR  

**XMEOUT Parameters:** applid, tranid, termid, filename

**DFHFC0302**  
**applid (tranid termid)** CICS terminating. Failure while waiting for I/O operation on VSAM file `*filename*`.  

**Explanation:** A DISASTER type error occurred when the transaction `tranid` was waiting for the completion of an I/O operation on the VSAM file whose file name and data set name appear in message DFHFC0305 which follows this message. `termid` identifies the terminal running this transaction.  

**System Action:** CICS is terminated with a system dump (dump code FC0302).  

**User Response:** This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps. If the problem cannot be traced to an application error, you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.  

**Destination:** Console  

**Module:** DFHFCVR  

**XMEOUT Parameters:** applid, tranid, termid, filename

**DFHFC0303**  
**applid (tranid termid)** CICS terminating. Failure while waiting for I/O operation on BDAM file `*filename*`.  

**Explanation:** A DISASTER type error occurred when transaction `tranid` was waiting for the completion of an I/O operation on the BDAM file `*filename*`. `termid` identifies the terminal running this transaction.  

**System Action:** CICS is terminated with a system dump (dump code FC0303).  

**User Response:** This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps. If the problem cannot be traced to an application error, you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.  

**Destination:** Console
DFHFC0304

**Module:** DFHFCBD

**XMEOUT Parameters:** applid, tranid, termid, filename

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**DFHFC0304 applid Dump taken in module_name due to a file control OPEN/CLOSE error.**

**Explanation:** This message is issued after DFHFCFS has made an OPEN or CLOSE request which has completed with an error. The specific error is identified by another message. In most cases the other message appears before this message, but if the error occurs during the building of a shared resources pool, the other message appears after this message.

The failure is identified as one of the following:

- An invalid request (not OPEN or CLOSE) has been sent
- There has been a subtask failure
- There has been a system failure other than “DSNAME NOT FOUND” or “VSAM CATALOG DOMAIN NOT FOUND”.
- There has been a failure during shared resources pool building.

**System Action:** A trace entry is made and a dump is taken with dumpcode FC0304.

**User Response:** Locate the fault by examining the trace entry and the dump.

**Destination:** Console

**Modules:** DFHFCVL, DFHFCM, DFHFCN

**XMEOUT Parameters:** applid, module_name

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**DFHFC0305 applid Message msgno file ‘filenamel’ dsname ‘dataset’**

**Explanation:** This message follows message DFHFC0300, DFHFC0302, DFHFC0307, DFHFC0308 or DFHFC0309. It identifies the VSAM data set name referred to in those messages.

If this message follows DFHFC0300 or DFHFC0302, it is issued from DFHFCVR.

If this message follows DFHFC0308 or DFHFC0309, it is issued from DFHFCRV.

If this message follows DFHFC0307, it is issued from DFHFCVS.

**System Action:** Processing continues in the way specified in the preceding message from the list above, whichever is applicable.

**User Response:** Find the earlier message to which this information refers and follow the user response for that message.

**Destination:** Console

**Modules:** DFHFCVR, DFHFCVS, DFHFCRV

**XMEOUT Parameters:** applid, msgno, filename, dataset

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**DFHFC0307 applid I/O error on file ‘filenamel’, component code X’code’. File is temporarily disabled.**

**Explanation:** An I/O error was reported by VSAM after a request to update VSAM file filename.

The file has been specified with LSR so VSAM has not released the buffers it assigned to process the request. Therefore, CICS must take special action to release them.

The name of the data set associated with the file is in message DFHFC0305 which follows, although the error may have been encountered elsewhere. This is indicated by the value of the component code X’code’. Its possible values and the corresponding error locations are as follows.

- X’00’ or X’01’—base cluster.
- X’02’ or X’03’—alternate index.
- X’04’ or X’05’—upgrade set.

**System Action:** Activity against the file is stopped, and the file is closed and then reopened in order to release the VSAM output buffers. Until the close has completed successfully, the file appears ‘UNENABLED’ to new would-be users and they receive a ‘NOTOPEN’ response to requests to use the file. The application request which encountered the error receives an ‘IOERR’ response.

**User Response:** The installation should follow its standard procedure for I/O errors. No special additional action is required to respond to this particular message although the data set name and component code may help in identifying the problem.

**Destination:** Console

**Module:** DFHFCVS

**XMEOUT Parameters:** applid, filename, X’code’

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**DFHFC0308 applid tranid termid Purge deferred due to incomplete I/O operation on VSAM RLS file filename**

**Explanation:** An attempt has been made to purge a transaction using FORCE. Transaction tranid is currently waiting for completion of an I/O operation on the VSAM RLS file filename. termid identifies the terminal running this transaction. The data set name is included in message DFHFC0305 which follows this message.

**System Action:** The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O operation is completed, the transaction is terminated with transaction abend code AFCY.

**User Response:** If the transaction does not terminate within a few seconds, the I/O wait might be genuine (for example, another CEC has reserved the DASD volume). If this is the case, wait until the I/O situation is relieved before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

**Destination:** Console

**Module:** DFHFCVR

**XMEOUT Parameters:** applid, tranid, termid, filename

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**DFHFC0309 applid tranid termid Failure while waiting for I/O operation on VSAM RLS file filename**

**Explanation:** A DISASTER type error occurred when the transaction tranid was waiting for the completion of an I/O operation on the VSAM RLS file filename.

**System Action:** CICS returns to VSAM who completes the wait for the I/O operation on CICS behalf. Since VSAM rather than CICS completes the wait for I/O to complete, there may be a significant degradation in CICS performance until the operation completes.

**User Response:** This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Chapter 1. DFH messages

DFHFC0310 applid tranid termid Failure waiting for I/O operation on the RLS control ACB.

Explanation: A DISASTER type error occurred when the transaction tranid was waiting for the completion of an I/O operation on the VSAM RLS control ACB.

System Action: CICS returns to VSAM and VSAM completes the wait for the I/O operation on CICS behalf. Since VSAM rather than CICS completes the wait for I/O to complete, there may be a significant degradation in CICS performance until the operation completes.

User Response: This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHFCCA
XMEOUT Parameters: applid, tranid, termid

DFHFC0311 applid tranid termid Purge deferred due to incomplete I/O operation on the VSAM RLS control ACB.

Explanation: An attempt has been made to purge a transaction using FORCE. Transaction tranid is currently waiting for completion of an I/O operation on the VSAM RLS control ACB.

termid identifies the terminal running this transaction.

System Action: The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O operation is completed, the transaction is terminated with transaction abend code AFCY.

User Response: If the transaction does not terminate within a few seconds, the VSAM wait might be genuine (for example, certain requests may take a fairly long time to complete). If this is the case, wait until the VSAM request has completed before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

Destination: Console
Module: DFHFCCA
XMEOUT Parameters: applid, tranid, termid

DFHFC0312 applid Message msgno data set dsname

Explanation: This message follows message DFHFC0152 or DFHFC0160. It identifies the VSAM data set name referred to in those messages.

System Action: Processing continues as specified in either DFHFC0152, or DFHFC0160.

User Response: Find the earlier message to which this information refers and follow the user response for that message.

Destination: Console
Module: DFHFCCA
XMEOUT Parameters: applid, tranid, termid

DFHFC0313I applid VSAM has returned an error with an RPL feedback - return code : X'rc' component code : X'cc' error code : X'ec' for file : filename and dsname Alternate Indices.

Explanation: VSAM has returned an error for VSAM file filename.

The application will have been returned an ILLOGIC response.

This is indicated by the value of the component code X'cc'. Its possible values and the corresponding error locations are as follows.

- X'00' or X'01'—base cluster.
- X'02' or X'03'—alternate index.
- X'04' or X'05'—upgrade set.

System Action: An ILLOGIC response is returned to the application.

User Response: You may need to delete, redefine and re-build your alternate indices based on this file.

Destination: Console
Module: DFHFCVS
XMEOUT Parameters: applid, X'rc', X'cc', X'ec', filename, dataset

DFHFC0314I applid VSAM has insufficient LSR buffers to fully backout the failed request.

Explanation: VSAM has returned an error for VSAM file mentioned in DFHFC0313 and an error code of X'98'.

The application will have been returned an ILLOGIC response.

The error code indicates that VSAM has insufficient LSR buffers to backout the failed request fully.

System Action: An ILLOGIC response is returned to the application.

User Response: Increase the allocation of LSR buffers. You may also need to delete, redefine and re-build your alternate indices based on this file.

Destination: Console
Module: DFHFCVS
XMEOUT Parameter: applid

DFHFC0400 applid This CICS system is not authorized to provide shared access to data tables - reason code X'code'.

Explanation: CICS is about to open a data table but has been unable to make provision for sharing the table with other CICS systems because a security check for update access to the resource name DFHAPPL.applid has failed. The value of the reason code, X'code', provides further information on the reason for the failure of the security check. It has the format X'ffrraaaa' where ff identifies the authorization check which failed, r gives the register 15 return code from SAF, and aaaa is the SAFPRRET value.

The values of X'ff' are:

X'01' Access was refused by an AUTH security check.
X'02' Access was refused by a FASTAUTH security check.
DFHFC0401 applid This CICS system is now authorized to provide shared access to data tables.

Explanation: CICS is about to open a data table. On a previous occasion message DFHFC0400 was issued because authorization checks failed preventing this CICS system from making provision for sharing its data tables with any other CICS system. The check has been retried successfully.

System Action: CICS continues normally. Subject to specific authorization checks, other CICS systems are now able to share this system's data tables.

User Response: None.

Destination: Console
Module: DFHFCFS
XMEOUT Parameter: applid

DFHFC0402 applid CICS cannot provide shared access to data tables because CICS is not defined as an MVS subsystem.

Explanation: CICS is about to open a data table but has been unable to make provision for sharing the table with other CICS systems because CICS has not been defined as an MVS subsystem.

System Action: CICS continues normally but no other CICS systems are able to share any data tables it creates.

User Response: CICS must be defined as an MVS subsystem in order to permit the sharing of data tables between CICS systems. See the CICS Shared Data Tables Guide for more guidance.

Destination: Console
Module: DFHFCFS
XMEOUT Parameter: applid

DFHFC0403 applid CICS cannot provide shared access to remote data tables because CICS is not defined as an MVS subsystem.

Explanation: CICS is about to access a remote file resource. However, shared data tables cannot be used to access any remote tables because CICS has not been defined as an MVS subsystem.

If this message is issued on a CICS system at release 3.2.1, it means that the shared data tables module DFHDTINS is installed in the LPA or in the load library used by this CICS system, and has therefore been loaded by mistake.

System Action: CICS continues normally and function ships this and subsequent remote file requests.

User Response: CICS must be defined as an MVS subsystem in order to permit the sharing of data tables between CICS systems.

If the message was issued by a CICS/ESA 3.2.1 system, check where the DFHDTINS module is located. If DFHDTINS is in the load library specified by this CICS, it should be removed: shared data tables support cannot be installed on a CICS system at a lower level than 3.3. If it is in the link pack area (LPA) of this MVS system, it should be removed: the DFHDTINS module should not be placed in the LPA of an MVS system which contains any CICS regions at release 3.2.1 which might want to use data tables, unless a PTF has been applied to the CICS 3.2.1 regions.

Destination: Console
Module: DFHFCFS
XMEOUT Parameter: applid
reported in the reason code, X'code', and to determine what changes to the security definitions or setup are required.

**System Action:** CICS continues normally and function ships this and subsequent requests directed to the specified remote system until authority is granted. Access is retried after about 10 minutes.

**Destination:** Console
**Module:** DFHFCFS
**XMEOUT Parameters:** applid, applid2, X'code'

---

DFHFC0407 applid This CICS system is now authorized for shared access to data tables owned by the CICS system with applid2.

**Explanation:** The security check which failed earlier and was reported in message DFHFC0406, has now succeeded. This system can now attempt to access shared data tables owned by the CICS system with applid2.

**System Action:** CICS continues normally. Subject to specific resource authorization checks, shared data tables owned by the remote CICS system can now be accessed by this system.

**User Response:** None.
**Destination:** Console
**Module:** DFHFCFS
**XMEOUT Parameters:** applid, filename, X'code'

---

DFHFC0408 applid This CICS system is not authorized for shared access to remote file filename - reason code X'code'.

**Explanation:** A file request to the specified remote file resource has just been processed. The file owning region contains shared data tables. An attempt was made to connect to any data table associated with the file but the connecting region failed the security check for shared access to the file resource. However, function shipped access was not similarly prevented.

This message can be issued whether or not the remote file has an associated data table. This is because it is not possible to determine whether a table exists until cross-memory linkage has been established to the file owning region, and this is only done after a connection attempt has passed all security checks. Once cross-memory linkage has been set up, any further connection attempts can first check whether a table exists. The shared access security check is then only needed when a data table is known to be available.

The value of the reason code, X'code', provides further information on the reason for the failure of the file security check. It has the format X'firaraaa'; where ff identifies the userid that was refused access, rr gives the register 15 return code from SAF, and aaaa is the SAFPRRET value.

The values of X'ff' are

- X'01': The requesting system’s own userid was refused read access to the remote file filename.
- X'02': The default userid of the CICS system which owns the remote file filename was used in the security check for read access to the file, and access was refused.

**System Action:** CICS continues normally and function ships this and subsequent requests directed to the specified remote file until authority to use shared access is granted. Access is retried after about 10 minutes.

**User Response:** Check whether shared access from this system to the specified file is intended. If it is, use the additional information provided in the reason code to determine what changes to the security definitions or set-up are required.

See the CICS Shared Data Tables Guide for an explanation of the rules determining which userid is used for a file security check.

**Destination:** Console
**Module:** DFHEIFC
**XMEOUT Parameters:** applid, filename, X'code'

---

DFHFC0409 applid This CICS system is now authorized for shared access to remote file filename.

**Explanation:** The security check which failed earlier, and was reported in message DFHFC0408, has now succeeded. This system can now use shared access to the specified table.

**System Action:** CICS continues normally.
**User Response:** None.
**Destination:** Console
**Module:** DFHFCFS
**XMEOUT Parameters:** applid, filename

---

DFHFC0410 applid Data table cannot be opened. Data table initialization has failed for reason X'code'.

**Explanation:** CICS is about to open a data table but has been unable to initialize shared data table services. The value of the reason code, X'code', provides further information about why CICS was unable to initialize shared data table services.

The format of the reason code is either: X'frrrrrr', where ff is a value less than X'80' that identifies the type of failure, and aaaa is additional information provided for some of the failures, or when an abnormal termination (abend) has occurred, X'aaxxxrrr' in which a is a value greater than or equal to X'B1' that categorizes the type of abend, rrr contains any register 15 abend reason code, and xxx contains the system or user completion code as three hexadecimal digits.

When X'code' < X'80000000', the values of X'ff' are:

- X'01': An unexpected failure occurred. This code is reported when the data tables SVC detects an unexpected error.
- X'04': An error was returned by the MVS RESMGR macro, called to establish an MVS resource manager for end-of-task processing. The first byte of the additional information, X'a0000000' contains the low order byte of the register 15 return code from the MVS RESMGR macro.
- X'06': An error was returned by the CICS SVC. The first byte of the additional information, X'a0000000' is the register 15 return code from the attempt to call the CICS SVC.
- X'08': An error was returned by the MVS DSPSERV macro. The additional information in the reason code consists of 1 byte containing the register 15 return code followed by 2 bytes containing the middle bytes from the register 0 reason code returned by DSPSERV.
- X'09': An error was returned by the MVS ALESERV macro, called to create an access list entry either for the data space or for references to the primary address space. The additional information in the reason code consists of one byte containing the register 15 return code followed by two bytes containing the ALESERV function code (service type) and qualifier (options) which identify the failing request.

---
X'0E'  An attempt to serialize the use of shared data table services (thus ensuring that only one TCB per address space can use the services) has failed. The first byte of additional information contains the ENQ return code.

When X'code' ≥ X'80000000', the values of X'a' are formed from combinations of:

X'8'  An abend was detected.
X'4'  A user abend was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).
X'2'  An abend was detected but could not be analyzed fully because no SDWA was available.
X'1'  An asynchronous abend was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved. A system dump is taken for unexpected errors (X following message indicates the action taken for the table involved.)

Followed either by message DFHFC0931 or by DFHFC0932. The
System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved. A system dump is taken for unexpected errors (X following message indicates the action taken for the table involved.)

XMEOUT Parameters: applid, X'code'

Destination:  
Module:  DFHFCFS

XMEOUT Parameters: applid, X'code'

DFHFC0411 applid Data table cannot be opened. Data table initialization has failed owing to a storage failure - reason code X'code'.

Explanation: CICS is about to open a data table but has been unable to initialize shared data table services because of a failure to obtain storage. The value of the reason code, X'code', provides further information about the type of storage which could not be obtained.

The format of the reason code is X'ttnnnn' in which t identifies the type of storage and, for some of the codes, nnnnn gives the hexadecimal size in bytes of the storage which could not be obtained. For fixed-length storage blocks, the reason code does not usually report the size.

The values of X'tt' are:

X'01'  Private storage from MVS subpool 230 (key 0) for a work area used by the data tables SVC
X'02'  Private storage from MVS subpool 0 for the local header block used by a shared data table server
X'03'  Private storage from MVS subpool 0 for a pool for data table blocks
X'04'  Private storage from MVS subpool 0 for a pool for file blocks
X'05'  MVS/ESA data space storage
X'09'  Private storage from MVS subpool 230 (key 0) for a region anchor
X'11'  Private storage from MVS subpool 0 for a dummy recovery block
X'12'  Storage from MVS subpool 252 required to load the DFHDTAM load module
X'13'  Private storage from MVS subpool 230 (CICS key) for a parameter list used by the data tables SVC
X'14'  Private storage from MVS subpool 230 (key 0) for a new ALET list section

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

User Response: The response depends on the type of storage indicated in the first byte of the reason code:

X'MOVE'  The function code (service type) and qualifier (options) reported in the reason code can be used to determine which ALESERV request was being attempted. Refer to the MVS ALESERV documentation and macro to interpret the function code, qualifier, and register 15 return code reported in the reason code.

X'M0E'  This might indicate that the limit on the number of ENQs per address space has been reached, or that another TCB running in this CICS address space has already initialized as a requester of shared data table services.

≥ X'80'  When the reason code indicates that an abend has been detected, use the additional information provided in the reason code to find out what the abend was, and refer to information on that abend code to determine the cause.
Chapter 1. DFH messages

DFHFC0412 **applid** Data table cannot be opened. Data table initialization has failed owing to a module loading failure - reason code X'code'.

**Explanation:** CICS is about to open a data table but a module loading failure has prevented the initialization of shared data table services. The value of the reason code, X'code', provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is X'mfrraaaaa' in which m identifies the module and f is a code for the type of failure. For some failures, rr contains the register 15 return code from the failing macro call, and aaaa might contain additional information.

The value of X'm' can be:

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'1'</td>
<td>DFHTDFOR</td>
</tr>
<tr>
<td>X'2'</td>
<td>DFHDTAM</td>
</tr>
<tr>
<td>X'6'</td>
<td>DFHMVRMS</td>
</tr>
</tbody>
</table>

The values of X'f' are:

- **X'1'**: module not found by a LOAD, BLDL or CSVQUERY macro call.
- **X'2'**: an error was returned by the MVS LOAD macro. The two bytes X'aaaaa' of additional information in the reason code contain the completion code from the LOAD. X'rr' is the register 15 return code.
- **X'3'**: an error was returned by the MVS CSVQUERY macro. X'rr' is the register 15 return code.
- **X'4'**: an error was returned by the MVS BLDL macro. The two bytes X'aaaaa' of additional information in the reason code contain the R0 reason code returned by BLDL.
- **X'5'**: the module is not reentrant.
- **X'6'**: the module had the wrong AMODE.
- **X'7'**: the module had the wrong RMODE.

**Note for CICS/ESA 3.2.1 users:** There is an additional code of X'08000000' which is only seen on a CICS/ESA 3.2.1 system that has DFHDSTINS installed in the LPA or in its load library, and has mistakenly loaded this module.

**System Action:** CICS continues normally. This message is followed either by message DFHCFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

**User Response:** The response depends on the reason for the failure as indicated in the second hex digit of the reason code.

- **X'1'**: Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.
- **X'2'**: Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes given in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.
- **X'3'**: Refer to the documentation of the MVS CSVQUERY macro to interpret the return code given in the second byte of X'code'.
- **X'4'**: This indicates an I/O error or a storage allocation failure. Refer to the documentation of the MVS BLDL macro to interpret the values in the reason code X'code'.
- **X'5', X'6', X'7'**: Use the first digit of the reason code to determine the name of the module, then check the status of that module. These errors imply that it is either not the module which was supplied with CICS or that it has become corrupted.

**Note for CICS/ESA 3.2.1 users:** If the reason code was X'08000000', the shared data tables module DFHDTINS has been incorrectly installed in a library which is used by this CICS/ESA 3.2.1 system. If DFHDTINS is in the load library specified by this CICS, it should be removed: shared data tables support cannot be installed on a CICS system at a lower level than 3.3. If it is in the link pack area (LPA) of this MVS system, it should be removed: the DFHDTINS module should not be placed in the LPA of an MVS system which contains any CICS regions at release 3.2.1 which might want to use data tables, unless a PTF has been applied to the CICS 3.2.1 regions.

**Destination:** Console

**Module:** DFHFCFS

**XMEOUT Parameters:** **applid, X'code'**

---

DFHFC0415 applid Remote data tables cannot be accessed. Shared data table initialization has failed for reason X'code'.

**Explanation:** CICS is about to access a remote file resource which may have an associated shared data table. However, shared data tables cannot be used to access any remote tables because CICS has been unable to initialize data table services.

**System Action:**

- **# APAR PQ26113**
- **# Note that if CICS finds module DFHDTINS in the STEPLIB concatenation or in the LPA it will assume that shared data tables is required and will thus try to initialize it. The value of the reason code, X'code', provides further information about why this CICS region was unable to perform the initialization required to act as a requester of shared data table services.
- **When X'code' < X'80000000', the values of X'ff' are:**
  - **X'01'**: An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.
  - **X'06'**: An error was returned by the CICS SVC. The first byte of the additional information, aa0000, is the register 15 return code from the attempt to call the CICS SVC.
  - **X'0E'**: An attempt to serialize the use of shared data table services (thus ensuring that only one TCB per address space can use the services) has failed. The first byte of additional information contains the ENQ return code.
  - **When X'code' ≥ X'80000000', the values of X'a' are formed from combinations of:**
    - **X'8'**: An abend was detected.
    - **X'4'**: A user abend was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).
    - **X'2'**: An abend was detected but could not be analyzed fully because no SDWA was available.
DFHFC0416

X'1' An asynchronous abend was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally and function ships this and subsequent remote file requests. Initialization is retried after about 10 minutes. A system dump is taken for unexpected errors (X'0F'=X'01') and for abends (if dumps are requested for that abend code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

X'06' The most likely reason for a failure of the CICS SVC call is that the data tables SVC module DFHDTSVC could not be loaded, in which case the return code value is X'02'. If this is the case, check that the DFHDTSVC module is in the LPA or in an authorized library in the link list of the MVS system. If the module is in the correct location, then investigate why it could not be loaded; possibly there might be a hardware fault on the disk. Another less likely value for the return code is X'06', which implies that DFHDTSVC has been relink-edited and not marked reentrant.

X'0E' This might indicate that the limit on the number of ENQs per address space has been reached, or that another TCB running in this CICS address space has already initialized as a requester of shared data table services.

≥ X'80' When the reason code indicates that an abend has been detected, use the additional information provided in the reason code to find out what the abend was, and refer to information on that abend code to determine the cause.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, X'code'

DFHFC0416 applid Remote data tables cannot be accessed. Shared data table initialization has failed owing to a storage failure - reason code X'code'.

Explanation: CICS is about to access a remote file resource. However, a failure to get storage has prevented CICS from initializing shared data table services. The value of the reason code, X'code', provides further information about the type of storage which could not be obtained:

The format of the reason code is X'fimnnnnn' in which f identifies the type of storage and, for some of the codes, nnnnn gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'f' are:

X'01' Private storage from MVS subpool 253 (below the 16MB line) for a work area required by module DFHQS0SS
X'02' Private storage from MVS subpool 0 for the shared data table header block required for this CICS to act as a data tables requester
X'09' Private storage from MVS subpool 230 (key 0) for a region anchor
X'0A' ECSA storage from subpool 241 (key 0) for a qualified subsystem block
X'0B' ECSA storage from MVS subpool 241 (key 0) for a system anchor
X'0E' Private storage from MVS subpool 230 (key 0) for a connect header block

System Action: CICS continues normally and function ships this and subsequent remote file requests. Initialization is retried after about 10 minutes.

User Response: The response depends on the type of storage indicated by the reason code.

If it indicates private storage, you should recheck the various region size parameters which have been specified on the CICS job or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take a SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates ECSA (extended common service area) storage, you should review the CSA size specified in system parameter list IEASYSxx, or by use of the CSA override on initialization of the MVS system. You should also review the size of the ESQA, since the system might have started to use ECSA storage if the ESQA storage is depleted.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, X'code'

DFHFC0417 applid Remote data tables cannot be accessed. Shared data table initialization has failed owing to a module loading failure - reason code X'code'.

Explanation: CICS is about to access a remote file resource. However, shared data tables cannot be used to access any remote tables because a module loading failure prevents CICS from initializing data table services. The value of the reason code, X'code', provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is X'mfriaaaaa' in which m identifies the module and f is a code for the type of failure. For some failures, r contains the register 15 return code from the failing macro call, and aaaa might contain additional information. The value of X'm' can be:

X'3' DFHDTAOR
X'4' DFHDTCV

The values of f are:

X'1' module not found by LOAD
X'2' an error was returned by the MVS LOAD macro. The two bytes X'aaaa' of additional information in the reason code contain the completion code from the LOAD. X'rr' contains the register 15 return code
X'5' the module is not reentrant.
X'6' the module had the wrong AMODE.

System Action: CICS continues normally and function ships this and subsequent remote file requests. Initialization is retried after about 10 minutes.

User Response: The response depends on the reason for the failure as indicated in the second hex digit of the reason code:
X'1'  Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.

X'2'  Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes reported in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.

X'5', X'6'  Use the first digit of the reason code to determine the name of the module, then check the status of that module. This error implies that it is either not the module which was supplied with CICS or that it has become corrupted.

**Destination:** Console

**Module:** DFHFCFS

**DFHFC042O applid Shared access to data tables cannot be provided by this CICS system because it has not been registered as a shared data table server - reason code X'code':**

**Explanation:** CICS is about to open a data table but has been unable to do so because this CICS system has not been registered as a shared data table server. The value of the reason code, X' code', provides further information about why this CICS system was unable to register (LOGON) as a shared data table server.

The format of the reason code is either: X'ffaaaaaa' in which ff is a value less than X'80' that identifies the type of failure, and aaaaaa is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'aaxxxxxx' in which a is a value greater than or equal to X'8' that categorizes the type of ABEND, mrr contains any register 15 ABEND reason code, and xxxx contains the system or user completion code as three hexadecimal digits.

When X'code' < X'80000000', the values of X'ff' are:

X'01'  This code is reported when the data tables SVC detects an unexpected error.

X'02'  Another region within the MVS image with the same APPLID as this region is already registered (logged on) as a shared data tables server.

X'03'  DFHDTRM has supplied the data tables SVC with an invalid address for the PC vector, or the PC vector specifies an invalid number of entry table entries (ETEs). In the latter case, X'aaaaaa' contains the number of ETEs that were requested.

X'04'  A failure occurred when attempting to establish an MVS resource manager for end-of-memory processing. The first byte of the additional information, X'aa0000' contains the low order byte of the register 15 return code from the MVS RESMGR macro.

X'05'  A failure occurred when attempting to make the server address space permanently non-swappable. The additional information, X'aaaaaa', contains the low order 3 bytes of the code posted in an ECB that was specified when the SYSEVENT TRANSWAP macro was issued.

X'06'  An error was returned by the CICS SVC. The first byte of the additional information, X'aa0000' is the register 15 return code from the attempt to call the CICS SVC.

X'0D'  An error occurred when issuing an MVS ENQ to ensure that, at any given time, only one server per MVS system can be active for a given APPLID. The first byte of the additional information, X'aa0000' contains the return code from ENQ.

X'10'  An attempt to create the environment for shared data tables connect security checks has found that the security environment has already been set up.

X'11'  There is a disparity between the actual version of the CICS security block and the version which was used to assemble the shared data tables module DFHDXTXS.

When X'code' ≥ X'80000000', the values of X'a' are formed from combinations of:

X'08'  An ABEND was detected.

X'04'  A user ABEND was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).

X'02'  An ABEND was detected but could not be analyzed fully because no SDWA was available.

X'01'  An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

**System Action:** CICS continues normally and attempts to open the table for local use only. A system dump is taken for unexpected errors (X'ff' = X'01') and for ABENDs (if dumps are requested for that ABEND code).

**User Response:** The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01'  Use the system dump to help you determine the cause of the problem.

X'02'  There cannot be more than one region with a given APPLID acting as a shared data table server within the same MVS image.

X'03'  This error might indicate that some corruption of the system has occurred, or that there is an error in CICS code.

X'04'  Refer to the documentation of the MVS RESMGR macro to interpret the return code reported in the additional information part of the reason code.

X'05'  Refer to the documentation of the MVS SYSEVENT macro to interpret the ECB contents reported in the additional information part of the reason code.

X'06'  Server initialization should have been completed before LOGON is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

X'0D'  Refer to the documentation of the MVS ENQ macro to interpret the return code reported in the additional information part of the reason code.

X'10'  This error might indicate that some corruption of the system has occurred, or that there is an error in CICS code.

X'11'  This error might indicate that service has been applied which requires PTFs to both base CICS and the shared data tables code, and only one has been correctly updated, or that some corruption of the system has occurred, or that there is an error in CICS.
DFHFC0421

≥ X'80'

When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, X'code'

DFHFC0421 applid Shared access to data tables cannot be provided by this CICS system because a storage failure has prevented it from registering as a shared data table server - reason code X'code'.

Explanation: CICS is about to open a data table but cannot do so because a failure to acquire storage has prevented the register of this CICS system as a shared data table server. The value of the reason code, X'code', provides further information about the type of storage which could not be obtained.

The format of the reason code is X'ttnnnnn' in which t identifies the type of storage and, for some of the codes, nnnnn gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X't' are:

X'01' private storage from MVS subpool 253 (below the 16MB line) for a work area for module DFHQSSS or from MVS subpool 230 (key 0) for a work area used by the data tables SVC LOGON processing
X'0A' ECSA storage from MVS subpool 241 (key 0) for a qualified subsystem block
X'0B' ECSA storage from MVS subpool 241 (key 0) for a system anchor
X'0C' ECSA storage from MVS subpool 241 (key 0) for a server element
X'0D' ECSA storage from MVS subpool 241 (key 0) for a security block

System Action: CICS continues normally and attempts to open the table for local use only.

User Response: The response depends on the type of storage indicated by the reason code.

If it indicates private storage then you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates ECSA (extended common service area) storage, you should review the CSA size specified in system parameter list IEASYSxx, or by use of the CSA override on initialization of the MVS system. You should also review the size of the ESQA, since the system might have started to use ECSA storage if the ESQA storage is depleted.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, X'code'

DFHFC0430 applid Data table open request for file filename has failed for reason X'code'.

Explanation: CICS has attempted to create a data table for file resource filename but has been unable to do so.

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the specified table.

User Response: This indicates an internal error or a corruption of your system. You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, filename, X'code'
**Explanation:** CICS has attempted to create a data table for file `filename` but has been unable to do so owing to a failure to get storage. There is insufficient storage above the 16MB line and the value of the reason code, `X'code'`, provides further information about the type of storage which could not be obtained.

The format of the reason code is `Xlicted for storage failure - reason code `X'code'`. The response depends on the type of storage.

### System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

### User Response: The response depends on the type of storage indicated by the reason code.

- If it indicates private storage then you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by `IEALIMIT` or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the `VERBEXIT VSMDATA` command to investigate the way in which MVS storage has been allocated to the various subpools.

### Module: DFHFCFS

### XMEOUT Parameters: applid, filename, `X'code'`
Use the system dump to help you determine the cause of the problem.

Requester initialization should have been completed before CONNECT is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

Some changes to your system configuration should be made, as this requesting region is trying to access too many shared data tables owned by other regions. It is necessary either to reduce the number of remote files being used, or to split the requesting CICS region into a number of smaller regions.

This indicates corruption of subpool 0 storage in the server region.

This indicates that either the requesting region contains more than $2^{32} - 1$ remote file definitions, all of which refer to the same file in the server region, or that storage has been corrupted.

Same response as 'X'07'.

Refer to the documentation of the MVS ENQ macro to interpret the return code reported in the additional information part of the reason code.

When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, filename, X'code'

Explanation: CICS has attempted to access the remote file resource filename but cannot do so because of a failure to get storage.

The value of the reason code, X'code', provides further information about the type of storage which could not be obtained:

The format of the reason code is X'ttnnnnn' in which tt identifies the type of storage and, for some of the codes, nnnnnn gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'tt' are:

X'01' Private storage from MVS subpool 230 (key 0) for a work area used by module DFHDTSVC for work area used by data tables SVC CONNECT processing.

X'0F' Private storage from MVS subpool 230 (key 0) for a connect vector

System Action: CICS continues normally and function ships this and subsequent remote file requests. Use of shared tables is retried after about 10 minutes.

User Response: The response depends on the type of storage indicated by the reason code.

As it indicates private storage, you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, filename, X'code'

Explanation: CICS has attempted to close a data table for file resource filename but has been unable to do so.

System Action: CICS continues normally. The table is treated as having been closed.

A system dump is taken for unexpected errors (X'07' =X'01') and for abends (if dumps are requested for that abend code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

Server initialization should have been completed before LOGON is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

The function code (service type) and qualifier (options) reported in the reason code can be used to determine which ALESERV request was being attempted. Refer to the MVS ALESERV documentation and macro to interpret the function code, qualifier, and register 15 return code reported in the reason code.

When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that abend code to determine the cause.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, filename, X'code'

Explanation: CICS has attempted to close a data table for file resource filename but has been unable to do so owing to a failure to release storage.

The format of the reason code is X'ttnnnnn' in which tt identifies the type of storage and, for some of the codes, nnnnnn gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'tt' are:

X'14' private storage from MVS subpool 230 (key 0) for a new ALET list section

System Action: CICS continues normally. The table is treated as having been closed.
User Response: You should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It may be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

Destination: Console
Module: DFHFCFS

XMEOUT Parameters: applid, filename, X'code'

DFHFC0445 applid Data table disconnect request for remote file filename has failed for reason code.

Explanation: CICS has attempted to disconnect from the remote data table filename but has been unable to do so.

An error has occurred while the requesting region was attempting to break the connection to the remote file filename owned by the serving region. The value of the reason code, X'code', provides further information about why CICS was unable to disconnect from the remote file.

The format of the reason code is either: X'ffaaaaaa' in which ff is a value less than X'80' that identifies the type of failure, and aaaaaa is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'aaxxmm' in which a is a value greater than or equal to X'8' that categorizes the type of ABEND, rrr contains any register 15 ABEND reason code, and xxx contains the system or user completion code as three hexadecimal digits.

When X'code' < X'80000000', the values of X'ff' are:

X'01' An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.

X'06' An error was returned by the CICS SVC. The first byte of the additional information, aaxxxx, is the register 15 return code from the attempt to call the CICS SVC.

When X'code' ≥ X'80000000', the values of X'aaa' are formed from combinations of:

X'8' An ABEND was detected.

X'4' A user ABEND was detected, in which case xxx contains the hexadecimal equivalent of the user completion code (otherwise, xxx contains the hexadecimal system completion code).

X'2' An ABEND was detected but could not be analyzed fully because no SDWA was available.

X'1' An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally. The table is treated as having been disconnected from the requesting CICS system. A system dump is taken for unexpected errors (X'ff' =X'01') and for ABENDs (if dumps are requested for that ABEND code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

X'06' Requester initialization should have been completed before DISCONNECT is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered.

Therefore this error probably indicates a logic problem or corruption of your system.

≥ X'80'

When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

Destination: Console
Module: DFHFCFS

XMEOUT Parameters: applid, filename, X'code'

DFHFC0446 applid Data table disconnect request for remote file filename has failed because of a storage failure - reason code X'code'.

Explanation: CICS has attempted to disconnect from the remote data table filename but has been unable to do so owing to a failure to release storage.

System Action: CICS continues normally. The table is treated as having been disconnected from the requesting CICS system.

User Response: This indicates an internal error or a corruption of the system. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHFCFS

XMEOUT Parameters: applid, filename, code

DFHFC0490 applid Unable to use data table for file filename.

Explanation: The data set to which file filename relates has an associated data table but CICS is unable to make use of the table data owing to a lack of storage.

System Action: CICS continues normally. Performance of read-only accesses to the file is degraded because records cannot be retrieved from the table.

User Response: Ensure that there is sufficient storage in the CICS region outside the EDSA.

See the CICS Shared Data Tables Guide for further guidance.

Destination: Console
Module: DFHFCFS

XMEOUT Parameters: applid, filename

DFHFC0500 applid RLS OPEN of file filename failed. VSAM has returned code X'eeee' in R15 and reason X'cccc'.

Explanation: While CICS was opening file filename, the CICS file control RLS open/close routine received a nonzero return code from VSAM.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User Response: For the meaning of the VSAM return code, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

Destination: Console
Module: DFHFCRO

XMEOUT Parameters: applid, filename, X'eeee', X'cccc'.
DFHFC0501 applid RLS OPEN of file filename failed. VSAM has returned code 16 in R15. RLS access has been disabled.

Explanation: While CICS was opening file filename, the CICS file control open/close routine received a return code of 16 in register 15. This means that the RLS VSAM server is currently unavailable so file control has disabled RLS access.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

CICS file control reenables RLS access when the RLS VSAM server restarts.

User Response: None.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: applid, filename

DFHFC0502 applid RLS OPEN of file filename failed. Access type switch to RLS attempted while other files open for the same data set have non-RLS access type.

Explanation: While CICS was opening file filename, the CICS file control RLS open/close routine detected that the access type for the file has been changed to RLS but there are still other files open for the data set with non-RLS access type. The file cannot be opened until all the other files have closed.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User Response: Close all the other files or change access of this file back to non-RLS. Files for the same data set should have the same access type.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: applid, filename

DFHFC0503 applid Non-RLS OPEN of file filename failed. Access type switch to non-RLS attempted while other files open for the same data set have RLS access type.

Explanation: While CICS was opening file filename, the CICS file control open/close routine detected that the access type for the file has been changed to non-RLS but there are still other files open for the data set with RLS access type. The file cannot be opened until all the other files have closed.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User Response: Close all the other files or change access of this file back to RLS. Files for the same data set should have the same access type.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename

DFHFC0504 applid RLS OPEN of file filename failed. The VSAM SHOWCB macro has detected a RLS VSAM server failure. RLS access has been disabled.

Explanation: While CICS was opening file filename, the CICS file control RLS open/close routine received a return code of X’1A’ in register 15. This means that the RLS VSAM server is not available so file control has disabled RLS access. The return code was returned by the SHOWCB macro when CICS was attempting to find the reason for the open failure that had just been detected.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition. CICS reenables RLS access when the RLS VSAM server restarts.

User Response: None.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: applid, filename

DFHFC0505 applid RLS CLOSE of file filename failed. The VSAM SHOWCB macro has detected a RLS VSAM server failure. RLS access has been disabled.

Explanation: While CICS was closing file filename, the CICS file control RLS open/close routine received a return code which indicates that the RLS VSAM server is unavailable. Consequently file control has disabled and closed down RLS access. This does not affect the rest of the close processing. The return code is returned by the SHOWCB macro which is invoked during CICS close.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any subsequent close requests for other files which are issued while the server is unavailable also receive the error return code but do not issue this message. CICS reenables RLS access when the RLS VSAM server restarts.

User Response: None.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: applid, filename

DFHFC0507 applid RLS OPEN of file filename failed. Callable service IGWARLS is not present.

Explanation: Callable service IGWARLS is required by file control for processing files which have update SERVREQs and are using the VSAM catalog as a repository for data set recovery attributes. CICS expects to find IGWARLS in the LPA. IGWARLS resides in library SYS1.CSSLIB. If SYS1.CSSLIB is not in the LPA concatenation, RLS files with update SERVREQs cannot be opened.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User Response: If you intend to use RLS access for files with UPDATE SERVREQs, ensure that SYS1.CSSLIB is included in the LPA concatenation.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: applid, filename
DFHFC0508 applid RLS OPEN of file filename failed. VSAM has returned code X’AA’ in register 15. RLS access has been disabled.

Explanation: While CICS was opening file filename, the CICS file control open/close routine received a return code of X’AA’ in register 15. This means that the RLS VSAM server is currently unavailable so file control has disabled RLS access.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

CICS file control reenables RLS access when the RLS VSAM server restarts.

User Response: None.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: applid, filename, dsname

DFHFC0509 applid RLS OPEN of file filename failed because the data set is unavailable. Module module.

Explanation: An attempt to open file filename failed because CICS has internally marked the data set as unavailable. This is the result of an earlier EXEC CICS SET DSNAME UNAVAILABLE command, or CEMT equivalent. This prevents the opening of new RLS and non-RLS files against the data set.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transactions attempting to use the data set from this CICS region are sent a NOTOPEN condition.

User Response: Ensure that an EXEC CICS SET DSNAME AVAILABLE command (or the CEMT equivalent) is issued before attempting to open the file.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: applid, {1=RLS, 2=Non-RLS}, filename, module

DFHFC0511 applid RLS OPEN of file filename failed. This CICS has other files open for the data set (or its associated base) with non-RLS access mode. The data set name is dsname.

Explanation: While CICS was opening file filename, the CICS file control RLS open/close routine detected that this region has other files open for the data set dsname, or its associated base data set, in non-RLS access mode. The file cannot be opened in RLS access mode until all the other non-RLS mode files have closed, even if these files are accessing the data set in read-only mode. This constraint is to ensure a consistent view of this data set from within each CICS region.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User Response: Close all the other files or change access of this file to non-RLS mode. Files accessing the same base data set from within a given CICS region must all have the same access mode. This includes access via a path data set.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: applid, filename, dsname

DFHFC0512 applid Non-RLS OPEN of file filename failed. This CICS has other files open for the data set (or its associated base) with RLS access mode. The data set name is dsname.

Explanation: While CICS was opening file filename, the CICS file control non-RLS open/close routine detected that this region has other files open for the data set dsname, or its associated base data set, in RLS access mode. This file cannot be opened in non-RLS access mode until all the other RLS mode files have closed, even if this file is opening the data set in read-only mode. This constraint is to ensure a consistent view of this data set from within each CICS region.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User Response: Close all the other files or change access of this file to RLS mode. Files accessing the same base data set from within a given CICS region must all have the same access mode. This includes access via a path data set.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, dsname

DFHFC0513 applid Non-RLS OPEN of file filename has failed. CICS has unresolved RLS recovery work for the data set (or its associated base). The data set name is dsname.

Explanation: While CICS was opening file filename, the CICS file control non-RLS open/close routine detected that this region has unresolved recovery work for the data set dsname, or its associated base data set, which requires the base data set and any associated path data sets to be accessed in RLS mode. This file cannot be opened until all the RLS recovery work has been resolved. This constraint ensures that any automatic resolution of the recovery work is not impeded by non-RLS accesses to the data set.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User Response: Use the INQUIRE UOWDSNFAIL command to investigate the RLS recovery work, and take action to resolve it. This may involve retrying backout-failed units of work and resynchronising indoubt-failed units of work. See the CICS Recovery and Restart Guide for more information on unit of work failures and their resolution.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, dsname

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DFHFC0520 applid (RLS | Non-RLS) OPEN of file filename failed. IGWARLS call returned codes X'rrrr', X'cccc' and problem determination X'dddddddd' to module module.

Explanation: While CICS was opening file filename and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine in module module detected an error. The return code and reason code from IGWARLS are respectively rrrr and cccc. dddddddd is any available problem determination information.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: If forward recovery is required, use IDCAMS ALTER to add a LOGSTREAMID for the sphere. Otherwise, remove the forward recovery setting.

Destination: Console

Modules: DFHFCS, DFHFCRO

XMEOUT Parameters: applid, (1=RLS, 2=Non-RLS), filename, module

DFHFC0523 applid RLS OPEN of file filename failed. The LOGSTREAMID for forward recovery is the same as the system log. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the LOGSTREAMID for forward recovery is the same as that for the system log. The forward recovery LOGSTREAMID must be different from the system log.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Use IDCAMS ALTER to change the LOGSTREAMID for forward recovery for the sphere. Ensure that it is different from the system log.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: applid, filename, module

DFHFC0521 applid RLS OPEN of file filename failed. Undefined LOG parameter is invalid for an RLS file with update type SERVREQs.

Explanation: While CICS was opening file filename and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine detected that the LOG parameter for the sphere is undefined. LOG must be specified for a file that has RLS access type and update type servreqs.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Use IDCAMS ALTER to set the LOG parameter for the sphere.

Destination: Console

Module: DFHFCS, DFHFCRO

XMEOUT Parameters: applid, (1=RLS, 2=Non-RLS), filename, X'rrrr', X'cccc', X'dddddddd', module

DFHFC0522 applid RLS OPEN of file filename failed. An attempt to write a log record failed because the record length was greater than the maximum supported by that log. Module module.

Explanation: An attempt to write a log record, as part of a file update operation, has failed because the length of the data in the record was greater than the maximum supported by the associated log stream.

System Action: A trace entry is made and a dump is taken with a dumpcode of FC0524.

User Response: Redefine the log stream using a structure which has a MAXBUFSIZE larger than that of the file update record size.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: applid, module

DFHFC0525 applid (RLS | Non-RLS) OPEN of file filename failed because the forward recovery log stream could not be opened. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the forward recovery log stream for the sphere could not be opened. An internal call to the CICS logger has returned an error.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
**DFHFC0526** applid An error occurred on the request to the CICS log manager to close the forward recovery log stream for file filename. Module module.

**Explanation:** While CICS was processing file filename, the CICS file control open/close routine in module module detected that a request to close the forward recovery log stream for the associated sphere returned an error.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** Console

**Modules:** DFHFCFS, DFHFCRO

**XMEOUT Parameters:** applid, filename, module

**DFHFC0527** applid Recovery attributes for file filename have been overridden by new settings found on the catalog.

**Explanation:** While CICS was opening file filename, the CICS file control open/close routine detected that the recovery settings for the sphere have changed.

**System Action:** Processing continues. The new recovery settings are assumed for the sphere.

**User Response:** Ensure that the change is as required.

**Destination:** Console

**Module:** DFHFCRO

**XMEOUT Parameters:** applid, filename

**DFHFC0528** applid RLS OPEN of file filename failed. Recovery attributes on the catalog have changed while there are other files still open for the sphere.

**Explanation:** While CICS was opening file filename and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine detected that the recovery attributes on the catalog have changed. There are currently other files open for the sphere which have assumed the previous recovery attributes. Further opens will fail until all files have closed or the recovery attributes are returned to their previous settings. Recovery attributes on the catalog should not be changed without first quiescing the associated sphere in all CICS systems that use it.

**System Action:** CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User Response:** Quiesce the sphere and start again with the new settings.

**Destination:** Console

**Module:** DFHFCRO

**XMEOUT Parameters:** applid, (1=RLS, 2=Non-RLS), filename, module

**DFHFC0529** applid/ Recovery attributes for file filename have been reset as there has been a switch of access type. Module module.

**Explanation:** While CICS was opening file filename, the CICS file control open/close routine in module module detected that the access type had been changed from RLS to non-RLS VSAM or vice versa. This has the effect of clearing out existing recovery attributes and starting again.

**System Action:** Processing continues. The new recovery settings are assumed for the sphere.

**User Response:** None.

**Destination:** Console

**Modules:** DFHFCRO, DFHFCFS

**XMEOUT Parameters:** applid, filename, module

**DFHFC0530** applid (RLS | Non-RLS) OPEN of file filename failed. The automatic journal is the same stream as the system log. Module module.

**Explanation:** While CICS was opening file filename, the CICS file control open/close routine in module module detected that the automatic journal for the file is the same stream as that for the system log. This is not allowed so an internal call to the CICS logger has returned an error.

**System Action:** CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User Response:** Ensure that the stream given in the FCTE for automatic journaling is different from the system log.

**Destination:** Console

**Module:** DFHFCRO

**XMEOUT Parameters:** applid, (1=RLS, 2=Non-RLS), filename, module

**DFHFC0531** date time applid Automatic journal journalname journalname, opened for file filename is not of type MVS. Module module.

**Explanation:** While CICS was opening file filename, the CICS file control open/close routine in module module detected that the stream specified for the automatic journal, journalname, was not of type MVS. For example, it might be a dummy log, or you might be journaling to an SMF data set. This message informs you of this in case the journal type is not what you intended. journal is the number specified for JOURNAL on the file definition.

**System Action:** CICS continues processing.

**User Response:** Ensure that the stream type for the automatic journal is correct.

**Destination:** CSFL

**Modules:** DFHFCN, DFHFCRO

**XMEOUT Parameters:** date, time, applid, journal, journalname, filename, module
DFHFC0532 applid (RLS | Non-RLS) OPEN of file filename failed because the automatic journal could not be opened. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the automatic journal for the file could not be opened. An internal call to the CICS logger has returned an error.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: This is likely to be an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHFCRO

XMEOUT Parameters: applid, filename, module

DFHFC0533 applid An error occurred on the request to the CICS log manager to close the automatic journal for file filename. Module module.

Explanation: While CICS was processing file filename, the CICS file control open/close routine in module module detected that a request to close the automatic journal returned an error.

System Action: CICS continues processing.

User Response: This is likely to be an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHFCRO

XMEOUT Parameters: applid, filename, module

DFHFC0534 applid Recovery attributes for file filename previously taken from the VSAM catalog have been overridden by new settings from the VSAM catalog. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the recovery settings for the sphere on the VSAM catalog are no longer undefined. The new recovery attributes now take effect because there are no other files open for the data set.

System Action: Processing continues. The new recovery settings are assumed for the file.

User Response: Ensure that this change to the recovery attributes is correct.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, module

DFHFC0535 applid Recovery attributes for file filename previously taken from the VSAM catalog have been overridden by new settings from the VSAM catalog. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the recovery settings for the sphere on the VSAM catalog have changed. The new recovery attributes now take effect because there are no other files open for the data set.

System Action: Processing continues. The new recovery settings are assumed for the file.

User Response: Ensure that this change to the recovery attributes is correct.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, module

DFHFC0536 applid Recovery attributes for file filename previously taken from the VSAM catalog have been overridden by new settings from the VSAM catalog. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the recovery settings for the sphere on the VSAM catalog are no longer undefined. The new recovery attributes now take effect because there are no other files open for the data set.

System Action: Processing continues. The new recovery settings are assumed for the file.

User Response: Ensure that this change to the recovery attributes is correct.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, module

DFHFC0537 applid OPEN of file filename failed. The request to write a tie up record for the OPEN failed.

Explanation: While CICS was opening file filename, a request to write a tie up record for the OPEN failed. CICS has closed the file again and failed the OPEN request.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: This is likely to be an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename
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DFHFC0539 applid (RLS | Non-RLS) OPEN of file filename failed. IGWARLS call has returned that the LOG parameter is not set to ALL but the BWO setting has been defined as TYPECICS. Module module.

Explanation: While CICS was opening file filename and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine in module module detected that BWO has been set to TYPECICS but LOG(ALL) has not been specified.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: If BWO(TYPECICS) is required, specify LOG(ALL). Alternatively, the setting BWO(NO) is recommended.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, {1=RLS, 2=Non-RLS}, filename, module

DFHFC0540 applid The BWO setting for file filename has not been explicitly set to NO or TYPECICS and is assumed to be BWO(NO). Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the BWO setting for the sphere on the VSAM catalog had not been explicitly specified as either BWO(TYPECICS) or BWO(NO). The setting is assumed to be BWO(NO).

System Action: Processing continues. The BWO(NO) setting is assumed for the file.

User Response: If you require to use backup while open, use the ALTER function of access method services to set BWO(TYPECICS) for this data set. If you do not require to backup while open, you do not need to take any action, but you may wish to use the ALTER function of access method services to explicitly set BWO(NO).

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, filename, module

DFHFC0541 applid RLS OPEN of file filename failed. RLS is not supported.

Explanation: While CICS was opening file filename the CICS file control open/close routine in module module detected that RLS was not supported. Either this CICS system is running with system initialization parameter RLS=NO or the level of VSAM does not support RLS.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition. Determine why RLS access is not supported.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, filename

DFHFC0542 date time applid Forward recovery log ID fwdrecovlog, journalname journalname opened for file filename is not of type MVS. Module module.

Explanation: While CICS was opening file filename, the CICS file control open/close routine in module module detected that the forward recovery log, journalname, was not of type MVS. For example, it might be a dummy log, or you might be logging to an SMF data set. This message informs you of this case in which the log type is not what you intended.

System Action: CICS continues processing.

User Response: Correct the definition of the forward recovery log if it was not what you had intended.

Destination: CSFL
Module: DFHFCFS
XMEOUT Parameters: date, time, applid, fwdrecovlog, journalname, filename, module

DFHFC0555 applid One or more data sets are in lost locks status. CICS will perform lost locks recovery.

Explanation: CICS had one or more data sets open in RLS access mode at the time of a failure of the coupling facility lock structure from which SMSVSAM was not able to recover transparently. As a result, the RLS locks held by CICS for those data sets have been lost.

SMSVSAM has informed CICS that one or more data sets are in a lost locks state with respect to this CICS. CICS must therefore perform lost locks recovery for those data sets. This can occur on a CICS warm or emergency restart, and on a dynamic RLS restart. On a CICS cold or initial start, if there are any data sets with lost locks status, that status is cleared with respect to this CICS.

System Action: The data sets with lost locks status are marked as being unavailable for general use. Units of work that attempt to access such data sets abend with an AFCU abend code.

CICS performs lost locks recovery for the data sets. For each data set, lost locks recovery involves waiting until all units of work that had made uncommitted updates to the data set have completed. These units of work are allowed to access the data set, in order to perform their recovery. When CICS has completed lost locks recovery for a data set, it reports this fact to SMSVSAM. When all CICS regions that had been accessing the data set have completed their lost locks recovery, then the data set is made available for general use again. Note that a data set becomes available for general use as soon as its lost locks recovery has been completed; it does not have to wait for all data sets to be recovered.

CICS takes the following actions to expedite lost locks recovery:

- Backout-failed and commit-failed units of work are driven for retry
- On a dynamic RLS restart, inflight transactions that had updated the data set are purged (on a warm or emergency restart, inflight units of work are automatically backed out).

User Response: Lost locks recovery normally completes automatically without requiring any action from the user. However, if there are shunted units of work which had updated a data set with lost locks status, these prevent lost locks recovery from
DFHFC0556

completing until they are resolved. Use the INQUIRE UOWDSNFAIL command to investigate these shunted units of work. See the CICS Recovery and Restart Guide for guidance on resolving shunted units of work which hold RLS retained locks.

Destination:  Console
Module:  DFHFCRR
XMEOUT Parameter:  applid

DFHFC0556  applid Unexpected notification of completion of lost locks recovery for data set dsname.

Explanation:  CICS has received a notification from SMSVSAM that lost locks recovery has completed for data set dsname, but CICS still has outstanding lost locks recovery work for that data set. This notification has therefore been issued out of sequence.

System Action:  CICS continues processing. The data set remains in a lost locks state, and CICS continues with its lost locks recovery. New file control requests against the data set will continue to be rejected with AFCU abends. When all CICS regions have completed their lost locks recovery for the data set, then a valid notification will be received and CICS will remove the data set from the lost locks state.

User Response:  None.

Destination:  Console
Module:  DFHFCRR
XMEOUT Parameter:  applid, dsname

DFHFC0560  applid The register of the RLS control ACB has failed because the SMSVSAM server is not available. VSAM macro IDAREGP return code X'rrrr', reason code X'cccc', error data X'dddd'.

Explanation:  While CICS was initializing file control, the call to VSAM to register the control ACB for RLS processing returned an error. The codes returned mean that the SMSVSAM server address space is not available.

System Action:  CICS continues processing but all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition. CICS reenables RLS access when the SMSVSAM server restarts.

User Response:  The SMSVSAM server address space should restart itself. If it does not, restart the SMSVSAM server address space manually. If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination:  Console
Module:  DFHFCRR
XMEOUT Parameters:  applid, X'rrrr', X'cccc', X'dddd'

DFHFC0562  applid The RLS control ACB has been successfully registered by CICS.

Explanation:  This message provides a record of the register of the RLS control ACB by CICS.

System Action:  CICS processing continues.
User Response:  None.

Destination:  Console
Module:  DFHFCCA
XMEOUT Parameter:  applid

DFHFC0563  applid The RLS control ACB has been successfully unregistered by CICS.

Explanation:  This message provides a record of the unregister of the RLS control ACB by CICS.

System Action:  CICS processing continues.
User Response:  None.

Destination:  Console
Module:  DFHFCCA
XMEOUT Parameter:  applid

DFHFC0564  applid The register of the RLS control ACB has failed. VSAM macro IDAREGP return code X'rrrr', reason code X'cccc', error data X'dddd'.

Explanation:  While CICS was initializing access to VSAM RLS, the call to VSAM to register the RLS control ACB returned an error.

System Action:  CICS continues processing but all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User Response:  Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination:  Console
Module:  DFHFCCA
XMEOUT Parameters:  applid, X'rrrr', X'cccc', X'dddd'

DFHFC0565  applid The unregister of the RLS control ACB has failed. VSAM macro IDAUNRP return code X'rrrr', reason code X'cccc', error data X'dddd'.

Explanation:  While CICS was quiescing RLS access the call to VSAM to unregister the RLS control ACB returned an error.

System Action:  CICS continues processing and all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User Response:  Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Chapter 1. DFH messages

DFHFC0566 applid The register of the RLS control ACB has failed. VSAM macro IDAREGP return code X'rrrr', reason code X'cccc'.

**Explanation:** While CICS was accessing data in VSAM RLS, the call to VSAM to register the RLS control ACB returned an error.

**System Action:** CICS continues processing but all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

**User Response:** Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHFCCA

**XMEOUT Parameters:** applid, X'rrrr', X'cccc'

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DFHFC0567 applid The unregister of the RLS control ACB has failed. VSAM macro IDAUNRP return code X'rrrr', reason code X'cccc'.

**Explanation:** While CICS was quiescing RLS access, the call to VSAM to unregister the RLS control ACB returned an error.

**System Action:** CICS continues processing and all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

**User Response:** Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHFCCA

**XMEOUT Parameters:** applid, X'rrrr', X'cccc'

---

DFHFC0568i applid File control dynamic RLS restart has started.

**Explanation:** File control dynamic RLS restart has started.

**System Action:** Processing continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGVLVL=0.

**Destination:** Console

**Module:** DFHFCRR

**XMEOUT Parameter:** applid

---

DFHFC0569i applid File control dynamic RLS restart has ended.

**Explanation:** File control dynamic RLS restart has completed successfully.

**System Action:** Processing continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGVLVL=0.

**Destination:** Console

**Module:** DFHFCRR

**XMEOUT Parameter:** applid

---

DFHFC0570 applid File control RLS access has been enabled.

**Explanation:** RLS access is now available.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHFCRR

**XMEOUT Parameter:** applid

---

DFHFC0571 applid RLS access cannot be restarted.

**Explanation:** An error has occurred while attempting to restart CICS access to VSAM RLS, either at startup, or during a dynamic RLS restart which took place when the VSAM RLS server became available while CICS was running. Because of this error, it may not be possible to access VSAM RLS again during this CICS run.

Access is made available again only if the VSAM RLS server in this MVS system fails causing CICS to perform dynamic RLS restart processing when it restarts, or if you choose to deliberately recycle the RLS server to trigger a dynamic restart.

**System Action:** CICS continues, but with access to VSAM RLS disabled (unless an offsite restart is being performed). Other CICS functions, including access to non-RLS VSAM files, should continue.

At the time the error affecting RLS restart is detected, CICS issues one or more messages and takes a system dump.

This error might also affect other aspects of this CICS system, for example if it is due to the corruption of internal CICS control structures.

If an offsite restart is being performed; that is, if OFFSITE=YES was specified as a system initialization override, then CICS does not continue, but is terminated with a system dump. When RLS offsite recovery is required, then there is no value in continuing without RLS, because it will be needed in order for the offsite restart to be able to complete. Until all CICS systems complete their offsite recovery work, including this one, no other CICS system in the CICSPlex will be allowed to perform new RLS work either.

**User Response:** If you do not need access to any VSAM RLS files from this CICS system, you can allow CICS to continue. For example, this CICS system might never open files in RLS access mode, or you might prefer to continue without RLS access in order to continue this CICS run.

If you do need to access VSAM RLS files from this CICS, consider shutting CICS down and restarting it, or recycling the VSAM RLS server. However, be aware that recycling the server causes all CICS systems in this MVS to go through dynamic RLS restart processing, which implicitly closes all files that were open in RLS access mode.

**Destination:** Console

**Module:** DFHFCCA

**XMEOUT Parameters:** applid, X'rrrr', X'cccc'

---

DFHFC0566I applid File control dynamic RLS restart has started.

**Explanation:** File control dynamic RLS restart has started.

**System Action:** Processing continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGVLVL=0.

**Destination:** Console

**Module:** DFHFCRR

**XMEOUT Parameter:** applid
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To determine the cause of the original error, examine the messages and the system dump that were issued when the error was detected.

If you are performing an offsite restart, then restart CICS with OFFSITE=YES still specified as a system initialization override.

Destination: Console
Module: DFHFCRR
XMEOUT Parameter: applid

DFHFC0574 applid RLS offsite recovery will be performed. Normal RLS access is not allowed.

Explanation: OFFSITE=YES has been specified as a SIT override, and RLS is supported by this CICS (RLS=YES has been specified and the level of DFSMS/MVS supports RLS). This message is issued during file control initialization to indicate that RLS offsite recovery processing is to be carried out during this CICS run.

System Action: RLS access is not allowed until after this CICS has performed its RLS recovery work. Only tasks performing the recovery work are allowed RLS access. Message DFHFC0575 is issued when RLS recovery has been completed by this CICS. RLS access for normal work is not allowed until this CICS has issued message DFHFC0575 and received the reply GO. The description of message DFHFC0575 explains when it is safe to reply to the message.

User Response: Wait for message DFHFC0575 to be issued. If this does not happen shortly after CICS restart has completed, there are probably some backout failed or indoubt failed units of work which had updated RLS data sets, and which are now delaying the completion of RLS recovery. In this case you should use the INQUIRE UOWDSNFAIL command to determine the causes of such failures, and to resolve them.

If some of the failures cannot be resolved cleanly, you may decide to force indoubt units of work and to reset locks for backout failed units of work. See the CICS Recovery and Restart Guide for guidance on resolving RLS retained locks.

If CICS terminates for any reason before message DFHFC0575 is issued, specify OFFSITE=YES on the restart.

OFFSITE=YES must be specified on all restarts until this CICS has issued message DFHFC0575 and received the reply GO. The description of message DFHFC0575 explains when it is safe to reply to the message.

Destination: Console
Module: DFHFCOR
XMEOUT Parameter: applid

DFHFC0577 applid RLS offsite recovery is now complete. RLS access is allowed.

Explanation: This message is issued when a CICS system is participating in an offsite recovery of a CICSpix. The message is issued when the reply GO has been supplied to message DFHFC0575.

System Action: CICS allows user applications to access RLS because it is assumed that a reply of GO means that all CICS systems in the CICSpix have completed their RLS recovery work, and it is therefore safe to allow sharing of RLS data sets.

User Response: Once you have received this message, you can recode your SIT overrides so that OFFSITE=NO is specified when this CICS is next restarted.

Destination: Console
Module: DFHFCOR
XMEOUT Parameter: applid

DFHFC0920 applid Open of empty file filename failed. VSAM codes - eeee,rrr,ccc

Explanation: CICS file control issued an OPEN command for VSAM file filename but the command failed with VSAM return code cccc. The CICS internal error code eeee has a value of 8509 and rrr is the return code in register 15.

This failure is probably caused by the file not being loaded before use by CICS.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

VSAM issues a console error message.

User Response: Check whether the file has been loaded before being accessed by CICS. This condition is probably the result of a user error in passing an empty file to CICS.
DFHFC0931 applid OPEN of data table name failed for reason n.

Explanation: CICS was unable to OPEN the user-maintained data table name for reason n, where n may have one of the following values:

1. The data table support initialization module DFHDTINS could not be loaded.
2. Initialization of data table support has failed. This message is preceded by one of messages DFHFC0410, DFHFC0411 or DFHFC0412 which identifies the reason for the failure.
3. The source data set for the data table is not a KSDS base data set.
4. The data table OPEN module DFHDTST has reported an error. This message is preceded by one of messages DFHFC0430 or DFHFC0431 which identifies the error.
5. The file definition for the data table allows neither read nor browse access.

System Action: The data table remains closed and is DISABLED. CICS processing continues.

User Response: The appropriate user response depends on the reason code n as follows:

1. Check that module DFHDTINS is present in the library.
2. See the user action for the preceding message (which will be one of DFHFC0410, DFHFC0411 or DFHFC0412).
3. Check whether the data table has been associated with the intended source data set.
4. See the user action for the preceding message (which will be one of DFHFC0430 or DFHFC0431).
5. Change the SERVRQs in the file definition. There is no benefit in using data tables support for a file which cannot be read or browsed.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, name, n

DFHFC0932 applid OPEN of data table name was incomplete for reason n.

Explanation: CICS was unable to treat name as a CICS-maintained data table for reason n.

System Action: The data table’s source data set is opened for access as a normal VSAM data set, and no main storage table is built. CICS processing continues.

User Response: The appropriate user response depends on the reason code n. Refer to message DFHFC0931 for a list of reason codes and their appropriate user responses. Urgent action is probably not necessary when this message occurs, as no function has been lost. However, READ performance may be adversely affected.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, name, n

DFHFC0933 applid MVS FREEMAIN failure detected during CLOSE of data table name.

Explanation: An MVS FREEMAIN, issued while CICS was attempting to release the storage associated with data table name, returned the error response R15=4. Some storage in the CICS address space has not been freed. The error is probably the result of some earlier overwriting of data table control areas.

System Action: CICS closes data table name. CICS processing continues.

User Response: This condition does not adversely affect the data tables function. However, if the problem recurs take a system dump (SDUMP) as soon as possible after the appearance of this message. For example, by means of a CEMT PERFORM SNAP command.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, name

DFHFC0935 applid SHAREOPTIONS of the source for data table name allow inconsistencies between table and source.

Explanation: The cross region SHAREOPTION for the source data set associated with the data table name is 3 or 4, or the SHAREOPTION is 2 and the table is being opened only for read access. It is possible for another job in this MVS system to update the source without notifying CICS. The result of this is that the data table may no longer match the source data set.

System Action: Opening and loading of the data table continues normally. CICS processing continues.

User Response: Check that the SHAREOPTION is specified correctly and that the DISP parameter is correct. Note that source data set changes are reflected in the data table only when the changes are made by the CICS system which owns the table.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, name

DFHFC0936 applid Initiation of loading of data table name has failed.

Explanation: An attempt to initiate the table loading transaction for the data table name has failed.

System Action: CICS processing continues. The effect this has is that the table always appears to be in the process of being loaded and the load completion exit, XDTLC, is not invoked. One consequence of this is that the table is effectively demand loaded. This means that an entry is only made in the table when a transaction refers to it explicitly. A further consequence is that, for user maintained tables, API requests (other than READ) always result in a LOADING condition.

User Response: Take remedial action after determining the cause of the failure from the trace of the OPEN request and from any related messages and dumps. It may be that the system action of leaving the table open, but not loaded, adversely affects your application. For example, if the application depends on being able to update a user maintained table as soon as loading is complete. If so, closing and reopening the data table may be successful as an immediate response, if the problem was simply a temporary lack of resources.
DFHFC0937

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, name

DFHFC0937 applid OPEN of name1 as a data table was not possible. The file has been opened and will use data table name2 which has the same source.

Explanation: File name1 could not be opened as a CICS-maintained data table (CMT) because another CMT name2 is already open for the source data set specified in the file definition of name1. However, name1 is still able to benefit from shared data tables support by accessing the already open CMT.

System Action: name1 is opened as a normal CICS file, and therefore automatically uses the existing data table name2 whenever possible.

User Response: This is not normally a problem, but you should ensure that the data table name2 has the required characteristics in terms of its maximum number of records and in the behavior of any data table user exits that refer to it.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, name1, name2

DFHFC0940 I date time applid CICS data table load has started for data table name.

Explanation: CICS file control has detected that an open request has been issued for data table name, and a task has been attached to load the data table.

System Action: CICS processing continues.

User Response: None.

Destination: CSFL
Module: DFHDTLX
XMEOUT Parameters: date, time, applid, name

DFHFC0941 I date time applid CICS data table load has completed successfully for data table name.

Explanation: The task that was attached to load the data table name has successfully completed loading.

System Action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORB set to indicate a successful load. CICS processing continues.

User Response: None.

Destination: CSFL
Module: DFHDTLX
XMEOUT Parameters: date, time, applid, name

DFHFC0942 E date time applid CICS data table load has terminated abnormally for data table name, reason code = X'xx'.

Explanation: The CICS task that is loading data table name has received a reason code X'xx', where X'xx' has one of the following values:

X'FB'  CICS file control has requested that the data table load be abandoned. This may occur, for example, if a close request has been made against the data table.

X'FD'  an attempt has been made to add more entries to the data table than the maximum specified in the table definition.

X'FE'  a shortage of virtual storage has been reported by the add entry (from DASD) service, due to a failure to get storage for the record.

System Action: The user exit XDTLC is invoked, if enabled, unless file control has requested that the load be abandoned (reason code X'FB'). The value of the UEPDTORC parameter passed to the exit indicates that loading completed abnormally. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added are retrieved from the source data set to satisfy API requests.

If the table is user-maintained, requests to access any record which was not added results in a "not found" response code. If the table has been closed, then API requests result in an “unenabled” response code.

CICS processing continues.

User Response: The appropriate user response depends on the reason code. User responses are as follows:

X'FB'  no action necessary
X'FD'  increase the size specified for the data table, either using the SIZE parameter in the FCT entry or the MAXNUMRECS field in the CEDA definition
X'FE'  increase the available storage above the 16MB line.

DFHFC0943 E date time applid CICS data table load has terminated abnormally for data table name, reason code = X'xx'.

Explanation: The CICS task that is loading data table name has received an unexpected return code from CICS file control while browsing the source data set. The reason code X'xx' should be one of the following:

X'02'  ILLOGIC—A VSAM error which does not fall into one of the other categories.
X'OC'  NOTOPEN—The file is CLOSED and UNENABLED, or still open and in use, but a CLOSE request has been received.
X'OD'  DISABLED—The file is disabled.
X'80'  IOERR—I/O error.

System Action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORB set to indicate that loading completed abnormally. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added are retrieved from the source data set to satisfy API requests.

If the table is user maintained, requests to access any record which was not added results in a “not found” response code. If the table has been closed, API requests result in an “unenabled” response code.

CICS processing continues.
User Response: Investigate the reason for the return code from CICS file control. For further information about the reason code, see the description of exception conditions for the STARTBR and READNEXT commands, in the CICS Application Programming Reference.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLX

XMEOUT Parameters: date, time, applid, name, X’xx’

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**DFHFC0945 E**

date time applid CICS data table load has terminated abnormally for data table name.

Explanation: The special CICS transaction that was loading data table name has detected an abnormal termination.

System Action: Depending on the cause of this abnormal termination, CICS may produce either a system dump or a transaction dump.

The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally.

CICS then terminates the loading transaction with abend code AFCM. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added, are retrieved from the source data set to satisfy API requests.

If the table is user-maintained, requests to access any record which was not added result in a “not found” response code. If the table has been closed, API requests result in an “unenabled” response code.

CICS processing continues.

User Response: Look at the system log for related CICS messages to determine the original abend detected by the loading transaction. Refer to the description of abend code AFCM for further information about the cause of the original termination.

For more information on how to determine system problems, refer to the CICS Problem Determination Guide.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLX

XMEOUT Parameters: date, time, applid, name

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**DFHFC0946 E**

date time applid CICS data table load has terminated abnormally for data table name, a call to FCFS has failed for reason code = n.

Explanation: The CICS task that is loading data table name has failed while calling file control to browse the source data set. The value of the reason code n indicates the type of failure as follows:

1. Response from FCFS was INVALID.
2. Response from FCFS was DISASTER.
3. Response from FCFS was PURGED.
4. FCFS failed for some unexpected reason.

System Action: The user exit XDTLC is invoked, if enabled, with parameter UEPDTORC set to indicate that loading has completed abnormally. CICS then terminates the loading transaction with abend code AFCM. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, records which were not added are retrieved from the source data set to satisfy API requests. If the table is user-maintained, requests to access any record which was not added result in a “not found” response code.

If the table has been closed, API requests result in an “unenabled” response code.

CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLX

XMEOUT Parameters: date, time, applid, name, n

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**DFHFC0947 E**

date time applid CICS data table load has failed to close data table name, a call to FCFS has failed for reason code = n.

Explanation: The CICS task that is loading data table name has failed while trying to close the file at the request of an exit program invoked at exit point XDTLC. The value of reason code n indicates the type of failure as follows:

1. Response from FCFS was INVALID.
2. Response from FCFS was DISASTER.
3. Response from FCFS was PURGED.
4. FCFS failed for some unexpected reason.

System Action: CICS terminates the loading transaction with abend code AFCM.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: It is unlikely that the user exit invoked at the XDTLC exit point would request that the file should be closed unless a previous problem had occurred with the load. Determine the cause of any such previous problem by checking for earlier messages which may have been issued referring to data table name. Diagnostic information provided by file control may be used to investigate the failure of the close file call.

CICS processing continues.

Report the details of the symptom string given in message DFHME0116.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLX

XMEOUT Parameters: date, time, applid, name, n

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**DFHFC0949**

date time applid CICS shared data table table load has terminated abnormally. A call to DFHXMIQ to retrieve the parameters for the load transaction has failed with response code = n.

Explanation: The CICS task to load a shared data table has failed while trying to inquire on the parameters passed to it during attach. The value of the reason code n indicates the type of failure as follows:

1. Response from XMIQ was INVALID.
2. Response from XMIQ was DISASTER.
3. Response from XMIQ was PURGED.
4. XMIQ failed for some unexpected reason.

System Action: The user exit XDTLC is not invoked as fails to retrieve the attach parameters means the filename is not known.

CICS terminates the loading transaction with abend code AFCL.

No records are loaded into the data table.
XMEOUT Parameters:

Module: applid, {1=RLS, 2=Non-RLS}, filename, module

DFHFC0950

Explanation: While dynamically allocating file filename, CICS file control issued an MVS DYNALLOC macro. The DYNALLOC failed with return code cccc. rrr is the additional return code in register 15.

System Action: CICS continues with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: for the meaning of the DYNALLOC return codes, see the OS/390 MVS Programming: Authorized Assembler Services Guide.

Destination: Console

Module: DFHFCFS, DFHFCRO

XMEOUT Parameters: applid, {1=RLS, 2=Non-RLS}, filename, module

DFHFC0952

applid Dynamic allocation of {RLS | Non-RLS} file filename failed. Return code X'rrrr',X'cccc' in module module.

Explanation: While processing a request to open or close file filename, CICS detected an internal logic error in the file control services program. The value of eeee identifies the error as follows:

8105 The DFHFCFS set base dsname block failed. cccc is the return code from DFHFCFS.
8302 Request to DFHFCN for a pool that is not in the FCT.
8701 Request to DFHFCN is not OPEN or CLOSE.
8704 Request to DFHFCN is not BUILD or DELETE.
8705 Request to DFHFCN is for invalid pool number cccc.
8706 Request to DFHFCN is for pool number cccc that is not in the FCT.
8707 DFHFCN failed to build BLDVRP parameters. cccc is the pool number.
8798 Logic error at OPEN detected in DFHFCN at offset cccc.

System Action: CICS terminates the task abnormally, produces a dump and continues processing with the status of file filename unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This is probably a logic error in CICS. You should note, however, that terminating CICS with an immediate shutdown while opening or closing files may cause such logic errors to happen as a normal occurrence. This is because CICS terminated immediately without regard to running tasks.

It is also possible for this error to occur if CICS has to calculate parameters for the BLDVRP macro, (this happens if you do not supply an LSR pool definition either by CEDA DEFINE LSRPOOL or by DFHFCN TYPE=SHRCTL), and all attempts to access the VSAM catalog for files in this LSR pool fail. Other messages are issued for the individual catalog failures.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, eeee, cccc

DFHFC0953

applid Non-RLS OPEN or CLOSE of file filename failed. CICS logic error eeee, cccc

Explanation: While processing a request to open or close file filename, CICS detected an internal logic error in the file control services program. The value of eeee identifies the error as follows:

8105 The DFHFCFS set base dsname block failed. cccc is the return code from DFHFCFS.
8302 Request to DFHFCN for a pool that is not in the FCT.
8701 Request to DFHFCN is not OPEN or CLOSE.
8704 Request to DFHFCN is not BUILD or DELETE.
8705 Request to DFHFCN is for invalid pool number cccc.
8706 Request to DFHFCN is for pool number cccc that is not in the FCT.
8707 DFHFCN failed to build BLDVRP parameters. cccc is the pool number.
8798 Logic error at OPEN detected in DFHFCN at offset cccc.

System Action: CICS terminates the task abnormally, produces a dump and continues processing with the status of file filename unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This is probably a logic error in CICS. You should note, however, that terminating CICS with an immediate shutdown while opening or closing files may cause such logic errors to happen as a normal occurrence. This is because CICS terminated immediately without regard to running tasks.

It is also possible for this error to occur if CICS has to calculate parameters for the BLDVRP macro, (this happens if you do not supply an LSR pool definition either by CEDA DEFINE LSRPOOL or by DFHFCN TYPE=SHRCTL), and all attempts to access the VSAM catalog for files in this LSR pool fail. Other messages are issued for the individual catalog failures.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, eeee, cccc

DFHFC0951

applid (RLS | Non-RLS) OPEN of file filename failed. DSNAME not available from JCL or FCT. Module module.

Explanation: A CICS attempt to open file filename failed because neither the JCL nor the FCT specified the data set name.

CICS file control did not open file filename, because:
1. At initialization time, the startup JCL did not include a DD statement, and
2. No user-submitted routine allocated the file dynamically, and
3. The FCT does not contain a DSNAME parameter to enable CICS to allocate the file dynamically.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Before resubmitting the transaction, you must supply the data set name in the JCL or the FCT. You can set the name in the FCT while CICS is running by using the CEMT transaction or the EXEC CICS SET command or by using CEDA to correct and reinstall the FCT entry.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, eeee, cccc
**DFHFC0954** applid (RLS | Non-RLS) OPEN of file filename failed. No disposition specified for dynamic allocation. Module module.

**Explanation:** CICS file control cannot open file filename, because it is not allocated. It is not allocated because:

1. At initialization time, the startup JCL did not include a DD statement, and
2. The FCT does not contain a DISP parameter to enable CICS to allocate the file dynamically.

**System Action:** CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file are sent a NOTOPEN condition.

**User Response:** If you want to use file filename in this run, supply the DISP parameter with the CEMT transaction or with a user transaction using the EXEC CICS SET command. When you have done this, transactions are able to access the file successfully.

The change described above is only effective for the lifetime of the CICS system. A permanent disposition definition of a file can be made either through a JCL DD statement, through a DEFINE file command, or through the DISP=operand of a macro FCT definition.

**Destination:** Console

**Modules:** DFHFCFS DFHFCRO

**XMEOUT Parameters:** applid, (1=RLS, 2=Non-RLS), filename, module

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**DFHFC0955** applid Associated data set is dataset. Module module.

**Explanation:** This message follows DFHFC0952 or DFHFC0510. It identifies the VSAM data set referred to in that message.

**System Action:** Processing continues in the way specified in DFHFC0952 or DFHFC0510.

**User Response:** Follow the user response for DFHFC0952 or DFHFC0510 as appropriate.

**Destination:** Console

**Modules:** DFHFCFS, DFHFCRO

**XMEOUT Parameters:** applid, dataset, module

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**DFHFC0956** applid (RLS | Non-RLS) OPEN of file filename failed. VSAM catalog error. Return code - X'reee',X'cccc' in module module.

**Explanation:** While reading the VSAM catalog to open the VSAM data set filename, CICS file control received the return code cccc from a SHOWCAT macro. The value of reee is an error code from DFHFCN as follows:

- 8112 SHOWCAT for the AIX of a path failed.
- 8113 SHOWCAT for the data component of a base failed.
- 8116 SHOWCAT for the base of a path failed.
- 8117 SHOWCAT for an upgrade member failed.

**System Action:** CICS writes a system dump, and continues processing, with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** For the meaning of the SHOWCAT return code, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

**Destination:** Console

**Module:** DFHFCFS

**XMEOUT Parameters:** applid, filename, n, cccc

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**DFHFC0958** applid Non-RLS OPEN of file filename failed. VSAM resource usage conflict with open file.

**Explanation:** CICS did not open file filename because it found that its access method control block (ACB) specified a different buffer/string resource (NSR or LSR pool) from that specified by another ACB that is already open for the same base cluster. VSAM provides integrity for different ACBs open for the same base cluster only if they use the same buffer/string resource.

**System Action:** CICS writes a system dump and continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User Response:** Determine the correct buffer/string resource and change the FCT.

Alternatively, if you specify DSNSHR=UPDATE in the FCT and open the file for read only, CICS permits the use of different buffer/string resources because no integrity exposure exists.

**Destination:** Console

**Module:** DFHFCFS

**XMEOUT Parameters:** applid, filename

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**DFHFC0960** applid Non-RLS OPEN of file filename failed. Unable to build its LSR pool n. Return code - cccc.

**Explanation:** CICS has requested VSAM to build the local shared resource (LSR) pool specified in the FCT entry for file filename. However, VSAM was unable to complete the request. n is the pool number, and cccc is the VSAM BLDVRP return code.

**System Action:** CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**Note:** The first time this error occurs, CICS writes a system dump before continuing.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** For the meaning of the BLDVRP return code, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

**Destination:** Console

**Module:** DFHFCFS

**XMEOUT Parameters:** applid, filename, n, cccc

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**DFHFC0961** date time applid Calculation of LSR pool n parameters incomplete. Filename filename has no DSNAME.

**Explanation:** While dynamically calculating the parameters for the local shared resource pool (LSR) n, CICS found an FCT entry for which no DSNAME exists (either the FCT entry has no DSNAME, or no DD statement exists).

**System Action:** CICS processing continues.

Without a DSNAME, CICS cannot use the VSAM catalog to determine the file attributes. Therefore, in the LSR calculation,
CICS uses the number of strings specified in the STRNO parameter of the FCT entry but does not use the BUFFERS or KEYLEN information.

User Response: Ensure that each FCT entry has either a DSNAME, or a DD statement corresponding to its DATASET name.

Destination: Console and Transient Data Queue CSMT

Module: DFHFCFS

XMEOUT Parameters: date, time, applid, n, filename

DFHFC0962 date time applid Calculation of LSR pool n parameters incomplete for file filename. VSAM catalog access error. Return code - cccc

Explanation: While CICS was dynamically calculating the parameters for the local shared resource (LSR) pool n, a VSAM SHOWCAT or a VSAM LOCATE failed with return code cccc. Parameters for file filename are incomplete.

System Action: CICS retains the accumulated LSR parameters for file filename and continues processing. No further attempts at calculating LSR parameters for file filename are made.

An exception trace is taken which identifies the failing VSAM request and its return code.

User Response: For the meaning of the SHOWCAT return code, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets. For the meaning of the LOCATE return code, see DFSMS/MVS Version 1 Release 5 DFSMSdfp Advanced Services. This error indicates a corrupted VSAM catalog. If you cannot restore the catalog, you will need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Module: DFHFCFS

XMEOUT Parameters: applid, filename, eeee, rrrr, cccc

DFHFC0963 applid LSR pool n not deleted. Code - cccc

Explanation: CICS requested VSAM to delete a local shared resource (LSR) pool n. During processing of the request, a VSAM DLVRP macro failed with return code cccc. (ccc is the VSAM DLVRP return code.)

System Action: CICS takes a system dump and continues processing with the pool still in existence.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the DLVRP return code, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, n, cccc

DFHFC0964 applid Non-RLS OPEN of file filename failed. VSAM codes - eeee,rrrr,cccc

Explanation: CICS file control issued an open for a VSAM file, filename. The open has failed with VSAM return code, cccc. eeee has a value of 8503 and represents the CICS internal error code and rrrr is the return code in register 15.

System Action: CICS continues processing, with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: VSAM will have issued a console error message. Use the VSAM message and the VSAM return code in the CICS message to solve the problem.

For the meaning of the VSAM return code, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, eeee, rrrr, cccc

DFHFC0965 applid Open of BDAM file filename failed.

Explanation: CICS file control issued an open for a BDAM file, filename. The open failed.

System Action: CICS continues processing, with file filename closed and with its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: BDAM will have issued a console error message. Refer to the BDAM message for further guidance to solve the problem.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename

DFHFC0966 applid Non-RLS OPEN of file filename failed. Unable to position ESDS. Error codes: eeee,rrrr,cccc.

Explanation: Before opening the VSAM ESDS file filename for output, CICS file control could not determine the end-of-data relative byte address (RBA) correctly. During the positioning process, CICS may perform any of the following steps, each of which can fail:

- Dynamically allocate the base cluster to DDname DFHESDS (if it is a path that is being opened)
- Open the base cluster for control interval (CI) processing
- Read the last CI in the file
- Determine the end-of-data in the file
- Close the base cluster
- Dynamically deallocate the base cluster.

The value of eeee in the message indicates the error or the failing function as follows:

8503 Open base cluster. rrrr is the VSAM return code in register 15. cccc is the error field in the VSAM ACB.
8504 Read last control interval (CI). rrrr is the VSAM return code in register 15. cccc is the FDBK field in the VSAM RPL.
8505 Last CI middle of spanned record.
8506 Close base cluster. rrrr is the VSAM return code in register 15. cccc is the error field in the VSAM ACB.
8507 Insufficient storage to get CI
8508 Dynamic allocation of base. rrrr is the MVS return code in register 15. cccc is the MVS DYNALLOC return code.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.
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User Response: For the meaning of the VSAM return codes, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets. For the meaning of the DYNALLOC return codes, refer to the OS/390 MVS Programming: Authorized Assembler Services Guide. CICS file control uses control interval processing when opening a VSAM ESDS. Therefore, ensure that you have specified ACCESS(CONTROL) for the data set.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, filename, rrrr, cccc

DFHFC0967 applid Error detected while closing [RLS | Non-RLS] file filename - VSAM codes X’rrrr’, X’cccc’ in module module.
Explanation: CICS file control issued a close for VSAM file filename. The close failed with VSAM return code cccc. rrrr is the return code in register 15.
System Action: CICS processing continues. CICS marks file filename as closed because VSAM will have closed the access method control block (ACB).
Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: Use the VSAM return code, cccc and the preceding VSAM console message to determine the cause of the problem.

For the meaning of the VSAM return code, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

Destination: Console
Modules: DFHFCFS, DFHFCRO
XMEOUT Parameters: applid, {1=RLS, 2=Non-RLS}, filename, X’rrrr’, X’cccc’, module

DFHFC0968 applid Close of BDAM file filename failed
Explanation: CICS file control issued a close for a BDAM file, filename. The close failed.
System Action: CICS continues, with file filename still open.
Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: BDAM will have issued a console error message. Use the BDAM message to solve the problem.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, filename

DFHFC0969 applid Non-RLS CLOSE of file filename failed. CICS logic error - 8799 rrrr, cccc.
Explanation: While attempting to close file filename, CICS detected internal logic error 8799 in the file control services program. cccc is the offset in DFHFCN at which the error occurred.
System Action: CICS terminates the task abnormally, takes a system dump, and continues processing with the status of file filename unchanged.
Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, filename, rrrr, cccc

DFHFC0970 applid Recoverable non-RLS file filename opened with VSAM SHROPT 3 or 4. CICS cannot ensure integrity.
Explanation: While opening the recoverable VSAM file filename for update, CICS detected that it was defined with SHAREOPTION 3 or 4, which allows updating from multiple regions. CICS issues this message to warn you that it cannot ensure data integrity.
System Action: CICS opens file filename and continues processing.
User Response: If this integrity exposure is acceptable, no further user action is required.
If this integrity exposure is unplanned and unacceptable, cancel CICS, redefine file filename with a different SHAREOPTION, and restart.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, filename

DFHFC0971 applid Non-RLS OPEN of file filename returned warning when positioning ESDS. Error codes: rrrr, cccc.
Explanation: Before opening the VSAM ESDS file filename for output, CICS file control had to determine the end-of-data relative byte address (RBA). The positioning process involved the dynamic allocation and deallocation of the base cluster to DDname DFHESDS. The deallocation failed.
The MVS DYNALLOC return code is cccc. rrrr is the additional return code in register 15.
System Action: CICS opens the file filename and continues processing.
Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: For the meaning of the DYNALLOC return codes, see the OS/390 MVS Programming: Authorized Assembler Services Guide.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, filename, rrrr, cccc

DFHFC0972 applid [RLS | Non-RLS] OPEN of file filename failed. VSAM catalog entry not found, return code - 8111 X’cccc’ in module module.
Explanation: While opening a VSAM file filename, CICS file control attempted to retrieve information from the VSAM catalog using the file name given in the JCL or the FCT. This initial retrieval failed with VSAM return code cccc from the SHOWCAT macro. 8111 indicates where within CICS file control the error was detected.
DFHFC0973

**System Action:** CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User Response:** You have probably specified DSNAME incorrectly in the FCT. If DSNAME is correctly specified, see the explanation of the SHOWCAT return code in DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

**Destination:** Console

**Modules:** DFHFCFS, DFHFCRO

**XMEOUT Parameters:** applid, {1=RLS, 2=Non-RLS}, filename, X'cccc', module

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**DFHFC0973 applid Dynamic deallocation of [RLS / Non-RLS] file *filename* failed. Return code - X'rrrr', X'cccc' in module module.**

**Explanation:** While closing file *filename*, CICS file control issued the MVS macro, DYNALLOC, to dynamically deallocate the file. Deallocation failed with the MVS return code, cccc. rrr is the return code in register 15.

**System Action:** CICS continues with the file closed, but still allocated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** If you change the DSNAME in the FCT, and then reopen the file in the same CICS run, CICS may open the original data set. For an explanation of the MVS return code, refer to the OS/390 MVS Programming: Authorized Assembler Services Guide.

**Destination:** Console

**Modules:** DFHFCFS, DFHFCRO

**XMEOUT Parameters:** applid, {1=RLS, 2=Non-RLS}, filename, X'rrrr', X'cccc', module

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**DFHFC0974 date time applid Calculation of LSR pool n parameters incomplete for file *filename*. VSAM catalog inconsistency - oooo**

**Explanation:** While dynamically calculating local shared resource (LSR) parameters for file *filename*, CICS found that a VSAM SHOWCAT macro gave a normal return code, but the object retrieved was logically incorrect. n is the pool number, and oooo is the VSAM object type in error.

**System Action:** CICS retains the accumulated LSR parameters for file *filename*, and continues processing. No further attempts at calculating LSR parameters for file *filename* are made.

**User Response:** This error indicates a corrupted VSAM catalog. If you cannot restore the catalog, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHFCFL

**XMEOUT Parameters:** date, time, applid, n, filename, oooo

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**DFHFC0975 applid LSR pool n already exists**

**Explanation:** CICS requested VSAM to build the local shared resource (LSR) pool n. However, this pool already exists.

**System Action:** CICS continues processing. If the existing pool is unsuitable, subsequent file OPENs may fail.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Examine the system console log and the LSR statistical data for pool creation and deletion times, and in the case of the log, for possible pool delete failures. (The simplest and most likely reason for this error is the failure of a previous attempt to delete pool n.)

**Destination:** Console

**Module:** DFHFCFL

**XMEOUT Parameters:** applid, n

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**DFHFC0976 applid (RLS / Non-RLS) file *filename* not opened. DSNAME = NULLFILE or DD DUMMY. Module module.**

**Explanation:** CICS could not open file *filename*, because the DSNAME was NULLFILE or the DD statement was DUMMY.

**System Action:** CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User Response:** None.

**Destination:** Console

**Modules:** DFHFCFS, DFHFCRO

**XMEOUT Parameters:** applid, {1=RLS, 2=Non-RLS}, filename, module

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**DFHFC0977 applid (RLS / Non-RLS) OPEN of file *filename* failed. VSAM catalog error. Return code - X'eeee', X'cccc' in module module.**

**Explanation:** While CICS was opening file *filename* and retrieving information from the VSAM catalog, an SVC 26 (LOCATE macro) failed with return code cccc. eeee is the CICS internal return code, as follows:

- 8114 SVC 26 failed on index or data.
- 8115 SVC 26 failed on base cluster.

**System Action:** CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User Response:** For the meaning of the LOCATE return code, see DFSMS/MVS Version 1 Release 5 DFSMSdfp Advanced Services.

**Destination:** Console

**Modules:** DFHFCFS, DFHFCRO

**XMEOUT Parameters:** applid, {1=RLS, 2=Non-RLS}, filename, X'eeee', X'cccc', module

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**DFHFC0978 applid (RLS / Non-RLS) OPEN of file *filename* failed. VSAM catalog error. Return code - X'eeee' in module module.**

**Explanation:** While CICS was opening file *filename* and retrieving information from the VSAM catalog, CICS file control open/close detected a CICS logic error. eeee is as follows:
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DFHFC0979

DFHFC0979 date time applid LSR pool n parameters incomplete for file filename because the DSNAME specified in the file entry could not be found on the VSAM catalog. VSAM has returned code rrr in R15.

Explanation: While dynamically calculating VSAM local shared resource (LSR) parameters, CICS attempted to retrieve information from the VSAM catalog using the data set name in the FCT entry for file filename. The catalog access failed with the VSAM return code rrr from the SHOWCAT macro.

System Action: CICS continues processing, but does not use any parameters for file filename in calculations for the LSR pool.

User Response: Ensure that you have correctly specified the JCL for the file, and that the catalog containing the file is included in the JCL. If these checks do not reveal the error, see the meaning of the SHOWCAT return code, rrr, in DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

Destination: CSMT
Module: DFHFCFS
XMEOUT Parameters: date, time, applid, n, filename, rrr

DFHFC0980 applid Non-RLS OPEN of base for file filename failed. CICS logic error eeee, cccc.

Explanation: While trying to open the VSAM ESDS base of a path through which a record insert has been requested for file filename, CICS has detected an internal logic error. eeee is as follows:

8E01 Request to DFHFCM is not OPEN or CLOSE.
8E99 Logic error during DFHFCM processing at offset cccc.

System Action: CICS takes a system dump and terminates the transaction abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHFCM
XMEOUT Parameters: applid, filename, eeee, cccc

DFHFC0981 applid Dynamic allocation of base for non-RLS file filename failed. Return code rrr, cccc.

Explanation: While trying to open the VSAM KSDS base of a path through which a record insert has been requested for file filename, CICS file control issued an MVS DYNALLOC command which failed with the return code cccc. rrr is the return code in register 15.

System Action: CICS takes a system dump and terminates the transaction abnormally.

User Response: For the meaning of the DYNALLOC return codes, refer to the MVS/ESA System Programming Reference: Application Development Guide.

Destination: Console
Module: DFHFCM
XMEOUT Parameters: applid, filename, rrr, cccc

DFHFC0982 applid Non-RLS OPEN of base for file filename failed. VSAM codes - rrr, cccc.

Explanation: While trying to open the VSAM KSDS base of a path through which a record insert has been requested for file filename, CICS file control issued an OPEN which failed with the VSAM error code cccc from the ACB. rrr is the VSAM return code in register 15.

System Action: CICS takes a system dump and terminates the transaction abnormally.

User Response: VSAM issues a console error message. Use the VSAM message and the VSAM return code in the CICS message to solve the problem.

For the meaning of the VSAM return code, see the MVS/DFP Access Method Services for VSAM Catalogs.

Destination: Console
Module: DFHFCM
XMEOUT Parameters: applid, filename, rrr, cccc

DFHFC0983 applid Non-RLS CLOSE of base for file filename failed. CICS logic error eeee, cccc.

Explanation: While trying to close the VSAM KSDS base of a path through which a record insert has been requested for file filename, CICS has detected an error. eeee is as follows:

8E05 Failure in DFHFCM to close VSAM base. cccc is the error code from the VSAM ACB.
8E07 SVC 99 dynamic deallocation in DFHFCM failed. cccc is the SVC 99 error return code.

System Action: CICS takes a system dump and continues processing, with base left open.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHFCM
XMEOUT Parameters: applid, filename, eeee, cccc
DFHFC0987 applid (RLS | Non-RLS) OPEN of file filename failed. Not available for type of processing. VSAM codes - 0008, 00A8 in module module.

Explanation: When CICS attempted to open the VSAM file filename, the OPEN failed with the VSAM return codes shown in the message text. The probable reason for the failure is that the data set is in use by another region or another ACB in the CICS region, and that the VSAM share options prohibit the level of sharing needed to permit the OPEN.

A data set may not be open in both RLS and non-RLS mode, via different files, at the same time, with one exception. It is possible for a data set to be open in non-RLS read-only mode from either another CICS region or from batch at the same time as the data set is open in RLS mode.

System Action: CICS continues processing, with the file left closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If the data set is in use by another user, wait until it is free and then retry the OPEN.

If the problem recurs and you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: applid, filename, dataset

DFHFC0988 applid Non-RLS OPEN of file filename failed. This data set type is not supported by CICS.

Explanation: An attempt to open file filename has failed because the file referenced a data set of a type not supported by CICS.

CICS File Control supports opening VSAM KSDS, ESDS, RRDS and VRRDS data sets, paths over KSDS and ESDS data sets, and BDAM data sets. No other data set types are supported. For example, CICS does not support opening a VSAM linear data set.

System Action: CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You have probably specified DSNAME incorrectly in the file definition. Correct the file definition.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, (1=RLS, 2=Non-RLS), filename, module

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DFHFC0990 applid (RLS | Non-RLS) OPEN of file filename failed. Recovery specified, but the path is not in the upgrade set. Base data set dsname. Module module.

Explanation: An attempt was made to open a recoverable file, associated with a VSAM path over an alternate index, for update processing (SERVREQ=ADD, DELETE or UPDATE set). However, the alternate index is not in the upgrade set of the base. CICS detects this condition and does not attempt to open the file.

If the alternate index is not in the upgrade set of the base, any updates made via the base are not reflected in the alternate index and so updates made via the path may compromise data integrity. Note the open of the path fails if RECOVERY=ALL or RECOVERY=BACKOUTONLY is specified on the path FCTE entry, or on the base data set.

The base takes the recovery attributes of the first file to open for update against it since a cold or initial start. Those attributes remain in force on the data set, and consistency checks are performed between the FCT entry and the data set at file open time.

System Action: CICS continues processing with file filename closed and not enabled.

User Response: Take the data set offline and redefine the alternate index with the UPGRADE option. Run a BLDINDEX job to bring the alternate index up to date with the base data set and then retry the open of the file.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: applid, (1=RLS, 2=Non-RLS), filename, dsname, module

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Explanation: An attempt was made to open a file filename for update processing. (SERVREQ=ADD, DELETE or UPDATE set), CICS detected that the recovery attributes on the file were inconsistent with those currently in force for the VSAM data set as recorded in the CICS data set name block. The file was not opened in order to maintain data integrity.

The data set takes the recovery attributes of the first file to open for update against it since a cold or initial start. Code cccc identifies the inconsistency found and takes the following values:

8514 Both the file and the data set have RECOVERY=ALL specified, but the forward recovery logs specified are different.

8515 The data set has RECOVERY=BACKOUTONLY or RECOVERY=NONE specified, and the file is trying to open with RECOVERY=ALL.

8516 The data set has RECOVERY=NONE specified. The file is attempting to open with RECOVERY=BACKOUTONLY.
Chapter 1. DFH messages

DFHFC0995

Applid Hiperspace allocation for LSR pool n was incomplete or zero.

Explanation: CICS requested VSAM to provide hiperspace buffers when building local shared resource (LSR) pool number n, but there was insufficient expanded storage available to satisfy the request completely.

System Action: CICS continues processing. VSAM uses the buffers it has been able to provide.

User Response: Review your installation's use of expanded storage and use MVS facilities to adjust its allocation, or change your RDO LSRPOOL definition or DFHFCT TYPE=SHRCTL definition, to reduce the hiperspace buffer requirements for pool n.

Destination: Console
Module: DFHFCL
XMEOUT Parameters: applid, n

DFHFC0996
date time applid (Open | Close | Enable | Disable | Cancel of close) of file filename suppressed due to intervention of User Exit.

Explanation: An open, close, enable, disable or cancel close request has been issued against the specified file. An exit program enabled at the global user exit point XFCSREQ in CICS file control has directed CICS not to carry out the request.

System Action: If the request being issued is an enable, disable, close or cancel close request, the file state remains unchanged, that is, it remains in the same state as before the request was issued.

If the request is an open request, the state remains unchanged unless the file was in a closed, enabled state. In this state, the open request could be an implicit open request, (that is, the file is being opened as part of a file API request). If it is an implicit open request, the file state is changed to closed unenabled to ensure the file API request is halted, and a NOTOPEN condition is returned to the application.

User Response: Examine the reason for the command being suppressed. This is installation specific.

Destination: Console and Transient Data Queue CSMT
Module: DFHFCFS
XMEOUT Parameters: date, time, applid, (1=Open, 2=Close, 3=Enable, 4=Disable, 5=Cancel of close), filename

DFHFC0997I
applid RLS OPEN of file filename is delayed because the associated data set dsname is being recalled.

Explanation: RLS file filename is taking longer than expected to open because the associated data set has been migrated and has to be recalled before the file open processing can complete.

System Action: The open of file filename is delayed until its associated data set has been recalled.

User Response: None.
Destination: Console
Module: DFHFCRO
XMEOUT Parameters: applid, filename, dsname

DFHFC0998
Applid User exit XFCNREC is causing file filename to be opened even though a file recovery inconsistency of type X'code' exists. CICS cannot guarantee data integrity for base data set dsname.

Explanation: An attempt was made to open file filename for update processing, (SERVREQ=ADD, DELETE or UPDATE set), and CICS detected that the backout recovery attribute on the file was inconsistent with that on the VSAM base data set. Normally CICS would fail the open on detection of an inconsistency. However, a program running at user exit XFCNREC has indicated that the open should continue even though an inconsistency has been detected. CICS can no longer guarantee the integrity of the data on the associated data set. Code X'code' identifies the inconsistency and can take one of the following values:

X'8516' The data set has RECOVERY=None specified. The file is attempting to open with RECOVERY=BACKOUTONLY.

X'851C' The file specified RECOVERY=None. The VSAM data set had BACKOUTONLY specified.

An INQUIRE on the RECOVSTATUS for the data set from this point onwards returns a NOTRECOVABLE response. The data set is marked as not recoverable until the next CEMT SET DSNAME REMOVE, EXEC CICS SET DSNAME REMOVE command or cold or initial start.

System Action: CICS opens file filename and continues processing using the recovery setting from the file definition to determine whether backout logging should be performed.

User Response: Ensure that it is correct for the backout recovery attribute inconsistency to be ignored for this data set.

If the backout recovery attribute inconsistency should not have been ignored, ensure that files referencing the same VSAM data set have the same recovery attributes. If they do not, either alter the FCT entries using the CEDA ALTER FILE command and reinstall the group, or alter the FCT macro definition of the file. Note that this reassembled FCT only takes effect at the next CICS cold or initial start.

To nullify the recovery attribute set for the base data set, issue a CEMT SET DSNAME REMOVE or EXEC CICS SET DSNAME
DFHFC0999

REMOVE command. This deletes the base cluster block and leaves CICS with no record of prior recovery settings for this VSAM data set. The first file to subsequently open against this data set causes a new base cluster block to be built. If the file is opened for update processing, the recovery attributes of this file are copied into the base cluster block.

Destination:  Console
Module:  DFHFCN
XMEOUT Parameters:  applid, filename, X'code', dsname

DFHFC0999 applid RLS OPEN of file filename failed. RLS access is disabled.

Explanation:  While CICS was opening file filename the CICS file control open/close routine detected that RLS access is disabled. A PREVIOUS open or record management request received a serious error from VSAM and disabled RLS access.

System Action:  CICS continues processing with file filename closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User Response:  Determine why RLS access was disabled.

Destination:  Console
Module:  DFHFCRO
XMEOUT Parameters:  applid, filename

DFHFC2813 applid Program DFHRCEX cannot be found.

Explanation:  An attempt to link to program DFHRCEX during file control initialization has failed. This is a severe error.

System Action:  CICS startup is abnormally terminated with a dump.

User Response:  Find out why DFHRCEX could not be located.

Destination:  Console
Module:  DFHFCRP
XMEOUT Parameter:  applid

DFHFC3001 date time applid Record not backed out because it may have been overridden by a non-RLS batch job. Diagnostic information follows in message DFHFC3010. The record was updated by unit of work X'local-uowid' for file filename, base data set data-set-name

Explanation:  A log record was presented to file control for backing out, but although the updated record was protected by a VSAM RLS lock, a non-RLS batch job had elected to override the RLS locks held on this data set. However, an exit program enabled at the XFCBOVER exit point decided that the non-RLS batch job would not have caused corruption of the record, and requested that the backout should go ahead. The update had been made to the base data set data-set-name via the CICS file filename, under the unit of work identified by local_uowid.

System Action:  An attempt to backout the update is made because the user exit requested that backout should go ahead. Diagnostic information is provided by this message and the subsequent message DFHFC3010.

User Response:  See the associated message DFHFC3010 for more information and guidance.

Destination:  CSFL
Module:  DFHFCRC
XMEOUT Parameters:  date, time, applid, X'local-uowid', filename, data-set-name

DFHFC3002 date time applid Record backed out at request of user exit although it may have been overridden by a non-RLS batch job. Diagnostic information follows in message DFHFC3010. The record was updated by unit of work X'local-uowid' for file filename, base data set data-set-name

Explanation: A log record was presented to file control for backing out, but although the updated record was protected by a VSAM RLS lock, a non-RLS batch job had elected to override the RLS locks held on this data set. However, an exit program enabled at the XFCBOVER exit point decided that the non-RLS batch job would not have caused corruption of the record, and requested that the backout should go ahead. The update had been made to the base data set data-set-name via the CICS file filename, under the unit of work identified by local_uowid.

System Action:  An attempt to backout the update is made because the user exit requested that backout should go ahead. Diagnostic information is provided by this message and the subsequent message DFHFC3010.

User Response:  See the associated message DFHFC3010 for more information and guidance.

Destination:  CSFL
Module:  DFHFCRC
XMEOUT Parameters:  date, time, applid, X'local-uowid', filename, data-set-name

DFHFC3003 date time applid Record not backed out because locks for a backout-failed data set have been reset. Diagnostic information follows in message DFHFC3010. The record was updated by unit of work X'local-uowid' for file filename, base data set data-set-name

Explanation:  An update made by unit of work local-uowid to the base data set data_set_name via the CICS file filename was protected by a lock while awaiting successful backout, but a decision has been taken locally to reset the locks for this data set. The log record representing the update has therefore been presented to file control for the purpose of providing diagnostic information in this and the subsequent message DFHFC3010.

System Action:  The update is not backed out and the lock is released. The implication of resetting the locks for a data set is that the backout has failed for some reason which cannot be easily corrected. Diagnostic information is provided by this message and the subsequent message DFHFC3010.

User Response:  See the associated message DFHFC3010 for more information and guidance.

Destination:  CSFL
Module:  DFHFCRC
XMEOUT Parameters:  date, time, applid, X'local-uowid', filename, data-set-name

DFHFC3004 date time applid Record backed out because of the forced back out of an indoubt unit of work. Diagnostic information follows in message DFHFC3010. The record was updated by unit of work X'local-uowid' for file filename, base data set data-set-name

Explanation:  A log record has been presented to file control for backing out because the local unit of work local-uowid, which was part of a distributed unit of work, has gone in-doubt, and CICS has
backed out the local unit of work. This decision to back out the record is the result of one of the following:

- CICS received an SPI SET UOW or SET DSNAME command that specified BACKOUT.
- CICS received an SPI SET UOW or SET DSNAME command that specified FORCE and the indoubt attributes on the transaction definition specified BACKOUT.
- An indoubt WAIT timeout occurred, and the transaction definition specified BACKOUT.
- One of the resource managers involved in the unit of work did not support waiting during the indoubt period.

The update being backed out was made to the base data set data-set-name via the CICS file filename. This and the subsequent message provides diagnostic information which is of use in correcting the situation if the actual resolution of the distributed unit of work was to commit it rather than to back it out.

**System Action:** The update is backed out, and diagnostic information is provided by this message and the subsequent message DFHFC3010.

**User Response:** See the associated message DFHFC3010 for more information and guidance.

**Destination:** CSFL

**Module:** DFHFCRC

**XMEOUT Parameters:** date, time, applid, X'local-uowid', filename, data-set-name

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**DFHFC3010** date time applid Diagnostic information for unit of work X'local-uowid' and file filename. Update was a {read-update | write-add} made by transaction tranid at terminal termid under task number tasknum. Key length key-length, data length data-length, base ESDES RBA X'base-RBA-or-zero'; record key X'record-key'

**Explanation:** This message follows each DFHFC3001, DFHFC3002, DFHFC3003, or DFHFC3004 message, and provides additional information to help diagnose and correct the situation reported in the preceding message.

For any given filename and unit of work CICS normally issues messages of only one type; for example, a series of DFHFC3001 messages each followed by DFHFC3010, or a series of DFHFC3003 messages each followed by DFHFC3010.

The exception to this is when an exit program enabled at the XFCBFAIL global user exit point elects to backout some updates and not to backout others. In this situation CICS might issue a combination of DFHFC3001 and DFHFC3002 messages (each followed by DFHFC3010) for the same filename and unit of work.

This message includes the following information:

- local-uowid The local unit-of-work identifier for correlation with the preceding message.
- filename The file name for correlation with the preceding message.
- read-update or write-add. The type of before-image log record presented to file control. The type is read-update if the update made to the file was either: a READ UPDATE, READNEXT UPDATE or READPREV UPDATE request (which will normally have been followed by a REWRITE or DELETE request), or a DELETE request which specified a RIDFLD. The type is write-add if the update made to the file was a WRITE request.

**User Response:** Inform the system programmer. This indicates a possible error in CICS, VSAM or BDAM code. The severity of its impact depends on whether the backout can be successfully retried.

If the data set being backed out is a VSAM data set, you can retry the backout. Message DFHFC4701 names the data set, and the failed backout can be retried using SET DSNAME RETRY. If the problem is due to some transient condition which has since cleared, the backout will now succeed.
DFHFC4701

If the data set being backed out is a BDAM data set, the backout cannot be retried. The data is committed and the locks are released, unless an exit program enabled at the XFCBFAIL exit point terminates CICS, in which case data integrity can be preserved by performing an emergency restart.

If the backout cannot be successfully retried, then take action depending on the type of error indicated in the message text:

- **An unexpected error**
  This probably indicates either a corruption of storage or an error within CICS code. It might also indicate an error within the access method called to process the request (VSAM or BDAM).

  The reason code xx is the reason code from the DFHFCFR parameter list and has been included as additional documentation in case you need further help from IBM.

  The access method code ccccccccc is information returned to file control in the VSAM RPL if the error was detected by VSAM, or the BDAM DECB if the error was detected by BDAM. For VSAM, the first byte is the VSAM return code and the second byte is the VSAM reason code; the third and fourth bytes may contain additional VSAM diagnostics (for more information, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets). For BDAM, the access method code is the 4-byte exception codes field from the DECB (for more information, see DFSMS/MVS Version 1 Release 5 Using Data Sets).

- **A VSAM error**
  This indicates that an error has occurred within VSAM.

  The access method code ccccccccc is information returned to file control in the VSAM RPL. The first byte is the VSAM return code and the second byte is the VSAM reason code; the third and fourth bytes may contain additional VSAM diagnostics (for more information, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets).

- **A length error**
  When a length error is reported, the length error code yy will be greater than X'01'. This normally indicates a serious error in CICS, VSAM, or BDAM processing. If it occurs for a BDAM data set, check the FCT and DCB definitions in case there is a mismatch between, for example, the block sizes, which would result in a length error.

- **A lock error**
  This indicates that backout processing has encountered a LOCKED response on attempting to acquire a lock on a record which is held as a retained lock by another unit of work. This should not be possible because the record should be locked by the unit of work being backed out. If this error occurs for a file being accessed in RLS mode, then it probably indicates an error in the SMVSAM server. If this error occurs for a file being accessed in non-RLS mode, then it probably indicates an error in CICS enqueue processing.

- **A timeout error**
  This indicates that backout processing has timed out attempting to acquire an RLS lock. This should not be possible during backout because the record should already be locked by the unit of work being backed out. If this error occurs then it probably indicates an error in the SMVSAM server.

- **An unexpected delete error**
  This indicates that the request to be backed out was a delete request, but that the file type is one for which deletes are not supported (VSAM ESDS or BDAM). The most likely cause of this error would be some corruption of the data set, although it might also indicate an error within CICS, or a storage corruption.

  You may need assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

  **Destination:** Console

  **Module:** DFHFCRC

  **XMEOUT Parameters:** applid, {1=An unexpected, 2=A VSAM, 3=A length, 4=A lock, 5=A timeout, 6=An unexpected delete}, X’xx’, X’cccccccc’, X’y’

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DFHFC4701 date time applid Backout failed for transaction tranid, VSAM file filename, unit of work X’local_uowid’, task task_number, base base_dsname, path path_dsname, failure code X’bfail_code’.

**Explanation:** File backout has been unable to backout an uncommitted change made to a VSAM data set via file filename, that was made by the unit of work local_uowid.

The file is associated with the data set path_dsname. This is either a base cluster data set if the path_dsname and base_dsname given in the message are the same, or is a path data set whose base cluster is the base_dsname given in the message if the two names differ.

The change that is being backed out was originally made by task task_number servicing transaction code tranid, running under the unit of work local_uowid. The current task number will differ from the original one that is given in the message if this backout is itself a retry of an earlier backout which also failed, or is a backout being carried out following resolution of an indoubt situation, and the current transaction code will differ from the original one if the transaction has been disabled.

The failure code X’bfail_code’ indicates the reason for the failure.

**System Action:** The system continues normally.

Backout out of the unit of work continues, but no further attempts to backout updates made by this unit of work to the base_dsname named in the message are made.

When the unit of work has been backed out as far as is possible, those updates which could not be backed out are deferred (shunted) until the backout can be retried.

It is possible for other work to continue to access the base cluster data set, but the records in that data set that were changed by this unit of work are locked by retained locks. This ensures that any attempt to access these records results in a LOCKED response, being returned to the application. The records must remain locked until the backout has been successfully retried in order to preserve data integrity.

If, when the backout is retried, it fails again for either the same or another reason, this message is issued again, with the failure code indicating the reason for the failure on this occasion.

**User Response:** You may decide to leave the data set online for any of the errors indicated by X’bfail_code’, especially if you believe that the backout failure may have been due to some transient situation, and that the backout may succeed if retried. You can manually drive retry of the backout using the SET DSNAME RETRY command, or alternatively wait until some event triggers retries of the shunted backouts in the system.

As a last resort, and at the cost of losing data integrity, you could bypass the deferred backout of uncommitted changes to this data set using the SET DSNAME RESETLOCKS command.
The user response depends on the value of the failure code X'bfail_code'.

10 The backout attempted to add a duplicate key value to a unique alternate index. The backout can never be carried out unless you can delete the existing record with this alternate key value, then retry the backout using SET DSNAME RETRY. This failure can only occur for a file being accessed in non-RLS mode.

20 The data set ran out of storage while the request was being processed. You should reallocate the data set with more space, then retry the backout using SET DSNAME RETRY. Do not forward recover the data set. If you accessed the file in RLS mode, there are extra steps required to ensure that the retained locks remain associated with the data set. These are explained in the CICS Recovery and Restart Guide.

24 An I/O error has occurred on the data set. You should consider the possibility that the data set needs restoring, especially if there have been a large number of these messages referring to the same base cluster data set, or if there have also been I/O errors issued during request processing for that data set.

If you do decide to restore the data set, you should take the following steps:

1. Prevent access to the data set
2. Restore a backup copy and forward recover the data set (for example, using CICSVR)
3. Relock access to the data set
4. Retry deferred backouts.

For an RLS mode data set, prevent access by issuing a SET DSNAME QUIESCED command which closes all open files throughout the sysplex and prevents further RLS opens. Relock access by issuing a SET DSNAME UNQUIESCED command, which also retries deferred backouts automatically.

For a non-RLS mode data set, prevent access by issuing a SET DSNAME UNAVAILABLE command to prevent further non-RLS opens and issue SET FILE CLOSED commands for all open files. Relock access by issuing a SET DSNAME AVAILABLE command, and retry deferred backouts using SET DSNAME RETRY.

40 Logical delete for an ESDS data set was not performed because the XFCLDEL exit either chose not to carry out the logical delete, or was not enabled.

41 A DFSMSdss non-BWO backup is in progress for the data set. The backout will be automatically retried when the backup completes.

B0 A deadlock was detected. This can only happen for files opened in non-RLS mode. Since this is a transient condition, you should just retry the backout using SET DSNAME RETRY.

C0 A failure of the VSAM RLS server was detected by this request. The backout is automatically retried when the server becomes available again.

C1 VSAM RLS access is disabled because the server is unavailable. The backout is automatically retried when the server becomes available again.

C2 The VSAM RLS server has recycled (failed and restarted) whilst a record was being backed out. This is a very rare occurrence since the failure and restart must have taken place after the record to be backed out was read for update, and before it was rewritten or deleted. A retry of the backout should be successful, but because the server has already become available, backout will not be automatically retried. You should use SET DSNAME RETRY to drive backout retry.

C3 The VSAM RLS cache structure to which the data set was bound has either failed or has lost connectivity, and VSAM has been unable either to rebuild the failed cache structure, or to bind the data set to an alternative cache structure in the cache set. The backout is automatically retried when the cache structure becomes available again.

C4 VSAM has returned a response indicating that the RLS lock structure in the coupling facility is full. Allocate a larger lock structure, rebuild it into it and retry the backout using set dsname retry. See OS/390 MVS Setting up a Sysplex, (GC28-1779) and DFSMS/MVS DFSMSdss Storage Administration Reference, (SC26-4920) for further information on how to allocate, and build into, larger lock structures.

F0 There was no space to add another alternate key value to a non-unique alternate index. You should rebuild the data set with a larger alternate index data Ci size (unless you are already at the maximum), and then retry the backout using SET DSNAME RETRY. If you accessed the file in RLS mode, there are extra steps required to ensure that the retained locks remain associated with the data set. These are explained in the CICS Recovery and Restart Guide. Do not forward recover the data set.

FB An error occurred when opening the file for backout. Determine why the file would not open, and if it is possible to correct it, do so and then issue SET DSNAME RETRY to retry the backout. If the error occurred because the data set was quiesced, the backout is automatically retried when the data set is unquiesced. If the error occurred because the VSAM RLS server was not available, the backout is automatically retried when it becomes available again.

FE An error occurred which is not expected to be possible during backout. An exception trace point is written, message DFHFC4702 is issued and a system dump is taken. Use these to determine the cause of the error. It might be worth retrying the backout, using SET DSNAME RETRY, since the problem could have been some transient condition which has since cleared.

Destination: Console and Transient Data Queue CSFL
Module: DFHFCRC
XMEOUT Parameters: date, time, applid, tranid, filename, X'local_uowid', task_number, base_dsname, path_dsname, X'bfail_code'

DFHFC4702 date time applid Backout failed for transaction tranid, BDAM file filename, unit of work X'local_uowid', task task_number.

Explanation: File backout has been unable to backout an uncommitted change made to a BDAM data set via file filename, that was made by the unit of work local_uowid.

The change that is being backed out was originally made by task task_number servicing transaction code tranid, running under the unit of work local_uowid. However, if this backout is being attempted after waiting for an indoubt situation to be resolved, the current task number will be different from the original one given in the message, and transaction code will be different from the original one if the transaction has been disabled.

System Action: The system continues normally.

Backing out of the unit of work continues, and any further failures to backout changes made to this BDAM data set result in the message being reissued.
Unless a program invoked at the backout failure exit point, XFCBFFAIL, took some action to prevent it, it is possible for other work to continue to access the BDAM data set, but data integrity is compromised because the changes have not been backed out.

**User Response:** Unless you are prepared to continue using the data set in spite of the loss of data integrity, you should take some action to correct matters, such as closing all files that are using the data set and backing out the uncommitted changes offline.

One possible cause of a BDAM backout failure is that a logical delete could not be performed because the XFCBFDEL exit either chose not to carry out the logical delete or was not enabled. If this is the case then you may want to ensure that a suitable exit program is enabled at the XFCBFDEL exit point, so that any future attempts at backing out writes made to BDAM data sets will succeed.

**Destination:** Console and Transient Data Queue CSFL

**Module:** DFHFCLF

**XMEOUT Parameters:** date, time, applid, log_stream, dsname

---

**EMCF5801A** applid File OPEN has failed for VSAM data set. The BWO values in the ICF catalog indicate that data set needs to be restored and forward recovered. Data set 'dsname'.

**Explanation:** CICS has rejected a file open for the VSAM base data set dsname. This base data set could not be opened because the integrated catalog facility (ICF) catalog backup while open (BWO) flags indicated a corrupted data set.

This message is accompanied by message DFHFC5806 which includes the name of the file involved in the OPEN failure.

**System Action:** The file open for data set dsname fails. CICS continues processing but the file is closed and its state is set to UNENABED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User Response:** Carry out the following procedure:

1. If a BWO copy of this VSAM data set is available:
   a. Restore the BWO copy of this data set via DFHSM and/or DFDSS.
   b. Apply the CICS forward recovery logs via a log-apply utility, such as CICS VSAM Recovery (CICSVSR), to bring the data set to a point of consistency.

2. If no BWO copy of this base data set exists but a normal quiesced copy does, apply the forward recovery logs to the data set in the normal way to bring the data set to a point of consistency.

3. Set the ICF catalog BWO flags to indicate that the data set has been recovered to the point of failure. This can be done by issuing a CEMT SET DSNAME RECOVERED or EXEC CICS SET DSNAME RECOVERED command.

4. Rename the data set to that of the original data set prior to the failure.

5. Make the data set available.
Note: Some log-apply utilities, such as CICS VSAM Recovery MVS/ESA (CICSVR MVS/ESA) Version 2, set the ICF catalog BWO flags to a RECOVERED state after the CICS forward recovery logs have been applied.

Destination: Console
Module: DFHFCAT

XMEOUT Parameters: applid, dsname

DFHFC5802A applid File OPEN has failed for VSAM data set. The BWO values in the ICF catalog indicate that data set needs to be forward recovered. Data set 'dsname'.

Explanation: CICS has rejected a file open for the VSAM base data set dsname. This base data set could not be opened because the ICF catalog backup while open (BWO) flags indicated that the data set was back-level and needed to be forward recovered. This failure occurs if a BWO of a VSAM base data set is restored but not forward recovered. This message is accompanied by DFHFC5806 which includes the name of the file involved in the OPEN failure.

System Action: The file open for data set dsname fails. CICS continues processing but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEND condition.

User Response: Carry out the following procedure:
1. Apply the CICS forward recovery logs via a log-apply utility, such as CICS VSAM Recovery (CICSVR), to bring the data set to a point of consistency.
2. Set the ICF catalog BWO flags to indicate that the data set has been recovered to the point of failure. This can be done by issuing a CEMT SET DSNNAME RECOVERED or EXEC CICS SET DSNNAME RECOVERED command.

Note: Some log-apply utilities, such as CICS VSAM Recovery (CICSVR), set the ICF catalog BWO flags to a RECOVERED state after the CICS forward recovery logs have been applied.

Destination: Console
Module: DFHFCAT

XMEOUT Parameters: applid, dsname

DFHFC5803 applid A severe error (code X'code') has occurred while inquiring/setting VSAM data set BWO attributes. Data set 'dsname' Return Code X'xxxxxxx' Reason Code X'yyyyyyyy' Prob Det X'xxxxxxxxxxxxxxxx':

Explanation: A severe error has been detected in DFHFCAT while inquiring or setting ICF catalog backup while open (BWO) attributes of base data set dsname. The error code is the exception trace point ID which uniquely identifies the call which has failed. The code X'code' can take the following values:

<table>
<thead>
<tr>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'0B57'</td>
<td>A call to MVS/DFP Callable Services to inquire if a</td>
</tr>
<tr>
<td></td>
<td>data set is known to a SMS sub-system has failed</td>
</tr>
<tr>
<td>X'0B59'</td>
<td>A call to MVS/DFP Callable Services to update the</td>
</tr>
<tr>
<td></td>
<td>BWO flags to a forward recovered state for a data set</td>
</tr>
<tr>
<td></td>
<td>has failed</td>
</tr>
<tr>
<td>X'0B5A'</td>
<td>A call to MVS/DFP Callable Services to update the</td>
</tr>
<tr>
<td></td>
<td>recovery point for a data set has failed</td>
</tr>
<tr>
<td>X'0B5B'</td>
<td>A call to MVS/DFP Callable Services to update the</td>
</tr>
<tr>
<td></td>
<td>BWO flags to a BWO disabled state for a data set has</td>
</tr>
<tr>
<td></td>
<td>failed</td>
</tr>
</tbody>
</table>

DFHFC5804 applid File CLOSE failed during CICS termination. File 'filename'.

Explanation: An attempt to close file filename during orderly CICS termination has failed. This message is produced only as a warning that this file could not be closed. Data integrity has been maintained.

System Action: CICS termination continues.

If this file was open against a base data set open for update with BACKUPTYPE=DYNAMIC specified, one of the following messages is issued on the first open for update for this base data set in the next CICS run:

- DFHFC5807
- DFHFC5808
- DFHFC5809.

User Response: In order to avoid repetition of this failure, try to determine why the file was not closed from any other DFHFCxxxx messages produced during termination.

Destination: Console
Module: DFHFCSD
DFHFC5805

**XMEOUT Parameters:** `applid, filename`

---

**DFHFC5805** `applid` File OPEN failed. RECOVERY attributes of VSAM data set are not valid. File `filename` data set `dsname`.

**Explanation:** The file `filename` is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). An attempt to open this file for update processing (SERVREQ=ADD, DELETE or UPDATE set) has failed because CICS has detected that the RECOVERY attributes have not been validated for the VSAM base data set `dsname`. A data set cannot be defined with BACKUPTYPE=DYNAMIC without RECOVERY=ALL specified.

**System Action:** The file open for data set `dsname` fails. Processing continues but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User Response:** This is probably caused by a logic error in CICS. You should, however, check if there are any other DFHFCxxxx messages that indicate the cause of the error.

**Destination:** Console

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid, filename, dsname`

---

**DFHFC5806** `applid` File OPEN failed. DFHCAT returned an error response from a BWO action on a VSAM data set. File `filename` data set `dsname`.

**Explanation:** An attempt to open file `filename` has failed due to the failure of a call to MVS/DFP Callable Services or due to an invalid state returned from a call to MVS/DFP Callable Services for the VSAM base data set `dsname`. This message is accompanied by one of the following messages depending on the type of error being reported:

- DFHFC0002
- DFHFC5801
- DFHFC5802
- DFHFC5803

**System Action:** CICS fails the file open request for data set `dsname`. Processing continues but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User Response:** See the accompanying message for the appropriate action to take in resolving this error.

**Destination:** Console

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid, filename, dsname`

---

**DFHFC5807** `applid` File OPEN failed. BACKUPTYPE attributes conflict with those currently defined for the VSAM data set. File `filename` data set `dsname`.

**Explanation:** An attempt to open file `filename` for update processing (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set `dsname` has failed. This is because CICS has detected an attribute conflict between the opening CICS FCT entry and the base data set's DSNB which was already opened for update. An FCT entry with a BACKUPTYPE=STATIC cannot be opened against a DSNB which already has or had an FCT entry opened against it with BACKUPTYPE=DYNAMIC. Similarly, an FCT entry with a BACKUPTYPE=DYNAMIC cannot be opened against a DSNB which already has or had an FCT entry opened against it with BACKUPTYPE=STATIC.

**Note:** A CICS base data set's DSNB cannot change BACKUPTYPE midway through a CICS run. In order to do this, you must destroy the DSNB and create a new one. There are three ways of doing this:

- CEMT SET DSNNAME REMOVE
- EXEC CICS SET DSNNAME REMOVE
- Terminate CICS and restart with a cold start.

If you respecify a DSNB with BACKUPTYPE=DYNAMIC, where previously it was specified with RECOVERY=NONE or BACKOUTONLY and BACKUPTYPE=STATIC, no forward recovery logging exists for the time that the DSNB had RECOVERY=NONE or BACKOUTONLY specified. Therefore you should take a backup copy of the data set before the change. This ensures that the data set can be recovered to a consistent point should a failure occur.

**System Action:** The file open for data set `dsname` fails. CICS continues processing but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

**User Response:** Determine the correct values for the BACKUPTYPE and RECOVERY attributes, and if necessary, redefine them for the FCT entry via CEDA. Alternatively, remove the old DSNB as already described and reattempt the open.

**Destination:** Console

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid, filename, dsname`

---

**DFHFC5808** `applid` File OPEN warning. VSAM data set already set eligible for BWO on first open for update. File `filename` data set `dsname`.

**Explanation:** The file `filename` is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). While opening this file for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set `dsname`, CICS detected that the ICF catalog has already defined this base data set as eligible for BWO.

If a batch job has updated this data set in a prior batch window and a DFHSM backup was scheduled for the same time, you should discard the backup produced in the batch window as it is not possible to forward recover it to a consistent point should a failure occur. This is because updates made to the data set in the batch window are not reflected in the CICS forward recovery logs. This situation is likely to arise if CICS fails to close a file defined with BACKUPTYPE=DYNAMIC during CICS termination.

**System Action:** CICS updates the ICF catalog recovery point and open processing continues.

**User Response:** To ensure complete data integrity, quiesce all files opened against this base data set and take a backup copy. This can now be forward recovered at a later date and reflects updates made to this data set during a prior batch window.

**Destination:** Console

**Module:** DFHFCFS

**XMEOUT Parameters:** `applid, filename, dsname`
DFHFC5809 applid File OPEN warning. BACKUPTYPE attributes conflict with BWO values defined in ICF catalog.

BWO values have been updated. File ‘filename’ data set ‘dsname’.

Explanation: The file ‘filename’ is defined as not eligible for backup while open for update (BACKUPTYPE=STATIC). While opening this file for update processing (SRVRQ=ADD, DELETE or UPDATE set), against the VSAM base data set ‘dsname’, CICS detects that the BWO flags in the ICF catalog already defined this base data set as eligible for BWO. However, the CICS FCT entry and the DSNB define the base data set as not eligible for BWO.

If a batch job has updated this data set in a prior batch window and a DFHSM backup was scheduled for the same time, you should discard the backup produced in the batch window as it is not possible to forward recover it to a consistent point should a failure occur. This is because updates made to the data set in the batch window are not reflected in the CICS forward recovery logs.

This situation is likely to arise if CICS fails to close a file that is defined with BACKUPTYPE=DYNAMIC, during CICS termination and the file is redefined with BACKUPTYPE=STATIC on a subsequent CICS run.

System Action: CICS updates the ICF catalog to indicate that the data set is no longer eligible for BWO. File open processing continues.

User Response: Determine the correct value for the BACKUPTYPE attribute, and if necessary, redefine it via CEDA.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, dsname

DFHFC5810 applid File CLOSE failed. DFHFCAT returned an error response from a BWO action on a VSAM data set. File ‘filename’ data set ‘dsname’.

Explanation: An attempt to close file ‘filename’ has failed because of the failure of a call to MVS/DFP Callable Services for the VSAM base data set ‘dsname’. This file is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC), and is open for update processing, (SRVRQ=ADD, DELETE or UPDATE set). This message is accompanied by message DFHFC5803 or DFHFC0002, depending on the type of error reported.

System Action: The file close request for data set ‘dsname’ fails. Processing continues and the file remains open.

User Response: See the accompanying message for the appropriate action to take in resolving this error.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, dsname

DFHFC5811 applid File OPEN warning. BACKUPTYPE=DYNAMIC attribute has been ignored. File ‘filename’ data set ‘dsname’.

Explanation: The file ‘filename’ is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). During an attempt to open this file for update processing, (SRVRQ=ADD, DELETE or UPDATE set), against the VSAM base data set ‘dsname’, either:

- CICS has detected that the appropriate levels of software

needed for VSAM backup while open (BWO) support have not been installed, or

- The appropriate MVS/DFP Callable Services modules could not be loaded.

System Action: CICS ignores the BACKUPTYPE=DYNAMIC parameter and continues as if STATIC were specified. File open processing continues.

User Response: If BWO support is required, ensure that the appropriate level of MVS/DFP Callable Services is installed.

If BWO support is not required, ensure that the file is defined with the BACKUPTYPE=STATIC attribute.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, dsname

DFHFC5812 applid File OPEN warning. BACKUPTYPE=DYNAMIC has been ignored for VSAM AIX data set. STATIC has been defaulted. File ‘filename’ data set ‘dsname’.

Explanation: The file ‘filename’ is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). This file is opening against the data set ‘dsname’ which is a VSAM AIX.

BACKUPTYPE=DYNAMIC is not a valid option for a VSAM AIX.

STATIC has been defaulted.

System Action: File open processing continues.

User Response: Redefine this file via CEDA, specifying BACKUPTYPE=STATIC.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: applid, filename, dsname

DFHFC5813 applid File OPEN warning. Level of {DFHSM | DFDSS} does not support BWO.

Explanation: You have opened a VSAM file for update and requested backup while open (BWO) support by specifying BACKUPTYPE=DYNAMIC in the FCT. However, CICS has detected that the software release level of DFHSM and/or DFDSS required for BWO support has not been installed on the processor on which CICS is running.

This message is issued once for the first file to open for update and be defined as eligible for BWO after a cold or initial start.

System Action: CICS file open processing continues. If the file open completes without error, the file is defined as eligible for BWO. However, no BWO backup facilities are available using DFHSM and/or DFDSS on the processor on which CICS is running.

User Response: Ensure that DFHSM and/or DFDSS, both of version 2.5.0 or later, are installed on the processor on which the BWO backup is to be made.

Note: DFSMS/MVS 1.1 (DFSMS/hsm and DFSMS/qs) supersedes DFSMS 2.5 and DFDSS 2.5.

Destination: Console

Module: DFHFCAT

XMEOUT Parameters: applid, (1=DFHSM, 2=DFDSS, 3=DFHSM and DFDSS)
DFHFC5814 applid An error (code X'code') has occurred while inquiring on VSAM data set attributes in the ICF catalog. (SHOWCAT | LOCATE) return code X'rrrr'. Data set dsname.

Explanation: While reading the ICF catalog to obtain attributes of data set dsname, CICS received return code rrrr from a VSAM SHOWCAT or LOCATE macro or detected an associated error. The error code code is the exception trace which uniquely identifies the error. It can take the following values:

<table>
<thead>
<tr>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X’237A’</td>
<td>SHOWCAT for the data set failed with return code rrrr.</td>
</tr>
<tr>
<td>X’237B’</td>
<td>In the VSAM catalog entry for an AIX, either the data association or the base cluster association is missing.</td>
</tr>
<tr>
<td>X’237C’</td>
<td>SHOWCAT for the AIX of a path failed with return code rrrr.</td>
</tr>
<tr>
<td>X’237D’</td>
<td>The VSAM catalog entry for a path does not have a base cluster or an AIX as its first association.</td>
</tr>
<tr>
<td>X’237E’</td>
<td>LOCATE for the data set failed with return code rrrr.</td>
</tr>
</tbody>
</table>

For further information about CICS exception trace entries, see the CICS Diagnosis Reference.

System Action: CICS processing continues after making an exception trace entry and taking a system dump with dumpcode FC5814.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the SHOWCAT or LOCATE return code if present to determine the cause of the problem. For the meaning of the SHOWCAT return code, see DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets. For the meaning of the LOCATE return code, see DFSMS/MVS Version 1 Release 5 DFSMSdfp Advanced Services. A VSAM LISTCAT listing for the data set may also be useful.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHFCAT
XMEOUT Parameters: applid, X'rrrr', X'cccc', X'dddddddd', dsname

DFHFC5820 applid Any files that are still open against the base data set may need to be closed. File filename, data set dsname.

Explanation: File filename was the first file to open a dynamically allocated data set dsname. This file is being closed leaving one or more files still open against the same base data set. However, if one of these files requires secondary extents, the request will fail with a CICS ILLOGIC error (EIBRCODE X'08BA0000').

System Action: Close processing completes normally.
User Response: To avoid this potential problem, you are advised to close and reopen the files that remain open against the base data set.

If you are unsure of the data set associations, run a LISTCAT against the above base dataset to produce a list of all associated data sets. Use CEMT INQ FILE(*) to identify which files are affected. All of these should be closed and reopened, for example, using the CEMT SET FILE(filename) CLOSE and CEMT SET FILE(filename) OPEN.

Destination: Console
Module: DFHFCFS
XMEOUT Parameters: applid, filename, dsname

DFHFC6000 date time applid About to {quiesce | unquiesce} data set dsname

Explanation: This message is issued just before a request is made to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex. The quiesce or unquiesce is initiated either by an end user issuing EXEC CICS SET DSNAME QUIESCE STATE or the CEMT equivalent, or internally by CICS.

System Action: The data set is quiesced or unquiesced, as indicated in the message.
User Response: None.
Destination: CSFL
Module: DFHFCQS
XMEOUT Parameters: date, time, applid, {1=quiesce, 2=unquiesce}, dsname

DFHFC6001 date time applid Data set successfully {quiesced | unquiesced} by {CICS | user}, Data set dsname

Explanation: A request to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex has been successfully completed.

System Action: CICS processing continues. The quiesce state of the data set in the ICF catalog is set to quiesced or unquiesced, as indicated in the message.
User Response: None.
Destination: Console and Transient Data Queue CSFL
Module: DFHFCQS
XMEOUT Parameters: date, time, applid, {1=quiesced, 2=unquiesced}, {1=CICS, 2=user}, dsname

DFHFC6003 date time applid Attempt by [CICS / user] to [quiesce / unquiesce] a data set has been rejected because [quiesce / unquiesce / non-BWO backup / BWO backup / unknown event] is in progress. Data set dsname

Explanation: This message is issued after a request to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex was rejected because a conflicting data set operation is in progress for that data set. The conflicting operation is specified in the message.

System Action: CICS processing continues. The quiesce state of the data set in the ICF catalog remains unchanged.

User Response: Wait for the conflicting data set operation to complete then retry the quiesce or unquiesce using EXEC CICS SET DSNAME or the CEMT equivalent.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=CICS, 2=user}, 
{1=quiesce, 2=unquiesce}, 
{1=CICS, 2=user}, dsname

DFHFC6005 date time applid Attempt by [CICS / user] to quiesce a data set has failed. Quiesce was cancelled. Data set dsname

Explanation: A request to VSAM RLS to quiesce base data set dsname throughout the sysplex has been cancelled by a participating CICS region. The CICS region could be any CICS in the sysplex. The quiesce was cancelled for one of the following reasons.

- An end user issued an EXEC CICS SET DSNAME UNQUIESCED command
- User code at global exit XFCVSDS suppressed the quiesce
- User code at global exit XFCSREQ suppressed the close of a file that is open against the data set
- The quiesce would not complete and was timed out

A preceding console message in the sysplex indicates the reason. For XFCVSDS the message is DFHFC6023. For XFCSREQ the message is DFHFC6024. For timeout the message is DFHFC6020. If there is no preceding message, EXEC CICS SET DSNAME UNQUIESCED has been used.

System Action: CICS processing continues. The quiesce state of the data set in the ICF catalog is set to unquiesced as a result of the cancel.

User Response: The response depends on the reason for the cancellation. If a preceding message was issued, refer to the explanation for that message for background information.

If EXEC CICS SET DSNAME UNQUIESCED was the reason, determine what the desired quiesce state should really be. If it should be quiesced, issue an EXEC CICS SET DSNAME QUIESCED command or the CEMT equivalent.

If an exit suppressed the quiesce, the user code at XFCVSDS or XFCSREQ must be disabled on all CICS regions in the sysplex before the data set can be quiesced.

If the quiesce timed out, retry the quiesce using EXEC CICS SET DSNAME QUIESCED or the CEMT equivalent. If the timeout occurs again, consider using EXEC CICS SET DSNAME IMMOQUIESCED or the CEMT equivalent. This force-purges transactions accessing the data set, thereby speeding up the closing of files. Alternatively, attempt to identify any long-running transactions that are using the data set, and terminate them.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=CICS, 2=user}, 
{1=quiesce, 2=unquiesce}, X'rrrr', X'cccc', dsname

DFHFC6007 date time applid Attempt by [CICS / user] to [quiesce / unquiesce] a data set has failed because the SMSVSAM server is not available. Data set dsname

Explanation: A request to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex has failed because the SMSVSAM server address space is not available.

System Action: CICS processing continues. The SMSVSAM server address space should attempt to restart automatically.

The quiesce state of the data set in the ICF catalog is unpredictable.

User Response: The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. Then issue an EXEC CICS SET DSNAME command or the CEMT equivalent to set the quiesce state in the ICF catalog to quiesced or unquiesced as desired.

If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=CICS, 2=user}, 
{1=quiesce, 2=unquiesce}, dsname

DFHFC6008 date time applid Attempt by [CICS / user] to [quiesce / unquiesce] a data set has failed. VSAM RLS codes X'rrrr', X'cccc'. Data set dsname

Explanation: This message is issued after a request to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex failed with an unexpected error. The VSAM IDAQUIES macro failed with reason code cccc. rrrr is the return code in register 15.

System Action: CICS processing continues after taking a system dump with dumpcode FC6008. The quiesce state of the data set in the ICF catalog is unpredictable.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the IDAQUIES reason code to determine the cause of the problem. For the meaning of the IDAQUIES reason code, see the DFSMS/MVS Version 1 Release 5 DFSMSdpf Diagnosis Reference.

When the problem has been resolved, issue an EXEC CICS SET DSNAME command or CEMT equivalent to set the quiesce state in the ICF catalog to quiesced or unquiesced as desired.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=CICS, 2=user}, 
{1=quiesce, 2=unquiesce}, X'rrrr', X'cccc', dsname
DFHFC6009 date time applid Attempt by [CICS | user] to [quiesce | unquiesce] a data set has failed because a VSAM data set could not be located dsname

Explanation: A request to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex failed because dsname could not be located.

System Action: CICS processing continues.

User Response: Investigate associated error messages to find the cause of the problem, then retry quiesce or unquiesce.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, dsname

DFHFC6010 date time applid Attempt by [CICS | user] to [quiesce | unquiesce] a data set has failed because it has been migrated. Data set dsname

Explanation: A request to VSAM RLS to quiesce or unquiesce base data set dsname throughout the sysplex failed because dsname has been migrated. The data set must be recalled before the quiesce or unquiesce can take place.

System Action: CICS processing continues.

User Response: Recall the data set and retry the quiesce or unquiesce.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, dsname

DFHFC6015 date time applid About to cancel (non-BWO | BWO) backup of data set dsname

Explanation: A request is about to be made to VSAM RLS to cancel a DFMSdsd-initiated backup for base data set dsname. This is performed in response to user code at global exit XFCVSDS suppressing the backup.

The message indicates whether the backup is BWO or non-BWO.

System Action: The backup is cancelled throughout the sysplex.

User Response: None.

Destination: CSFL

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=non-BWO, 2=BWO}, dsname

DFHFC6016 date time applid (Non-BWO | BWO) backup of a data set cancelled by CICS. Data set dsname

Explanation: A request to VSAM RLS to cancel a DFMSdsd-initiated backup for base data set dsname has been successful.

System Action: CICS continues processing. The BWO or non-BWO backup is cancelled throughout the sysplex.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=Non-BWO, 2=BWO}, dsname

DFHFC6017 date time applid Attempt by CICS to cancel a (non-BWO | BWO) backup of a data set has been rejected because a cancel is already underway. Data set dsname

Explanation: A request to VSAM RLS to cancel a DFMSdsd-initiated backup for base data set dsname has been rejected because another cancel is already underway.

System Action: CICS processing continues. The BWO or non-BWO backup is cancelled throughout the sysplex by the other cancel request.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=non-BWO, 2=BWO}, dsname

DFHFC6018 date time applid Attempt by CICS to cancel a (non-BWO | BWO) backup of a data set failed because the SMSVSAM server is not available. Data set dsname

Explanation: A request to VSAM RLS to cancel a DFMSdsd-initiated backup for base data set dsname failed because the SMSVSAM server address space was not available.

System Action: CICS processing continues. The SMSVSAM server address space should attempt to restart automatically. The BWO or non-BWO backup request is not canceled. The backup may fail or succeed depending on whether the SMSVSAM server concerned is coordinating the backup or not.

User Response: The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. Then use DFSMSdss to retry the backup if it failed.

If the SMSVSAM server address space fails to restart, a more serious error is indicated. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: date, time, applid, {1=non-BWO, 2=BWO}, dsname

DFHFC6019 date time applid Attempt by CICS to cancel a (non-BWO | BWO) backup of a data set has failed. VSAM RLS codes X’rrrr’, X’cccc’, Data set dsname

Explanation: A request to VSAM RLS to cancel a DFMSdsd-initiated backup for base data set dsname has failed with an unexpected error. The VSAM IDAQUIES macro failed with reason code cccc. rrr is the return code in register 15.

System Action: CICS processing continues after taking a system dump with dumpcode FC6019. The BWO or non-BWO backup is not cancelled.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the IDAQUIES reason code to determine the cause of the problem. For the meaning of the IDAQUIES reason code, see the DFSMS/MVS Version 1 Release 5 DFSMS/MVS Diagnosis Reference.
If you cannot resolve the problem, or the problem recurs, a more severe error is indicated. In this case, you will assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CSFL  
**Module:** DFHFCQS  
**XMEOUT Parameters:** date, time, applid, {1=non-BWO, 2=BWO}, X'rrrr', X'cccc', dsname

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**DFHFC6020**  
**date time applid**  
**Timeout has occurred while quiescing a data set. Quiesce will be cancelled.**  
**Data set dsname**

**Explanation:** The request made to VSAM RLS to quiesce base data set dsname throughout the sysplex has timed out. The timeout limit is given by the system initialization parameter QUIESTIM.

This is probably due to the presence of long-running transactions on a participating CICS region failing to reach syncpoint, and therefore preventing the close of files open against the data set.

**System Action:** CICS cancels the quiesce throughout the sysplex by issuing an unquiesce for the data set. Depending upon the timing of the quiesce request, one of two situations can result:

1. Normally the unquiesce is processed immediately and the quiesce request is canceled by VSAM. In this case, message DFHFC6020 is followed by messages DFHFC6000 and DFHFC6001 for the unquiesce completing.

2. Occasionally, depending on the timing of the unquiesce, the original quiesce request completes before the unquiesce request has been processed. Because the unquiesce cannot be canceled, it completes thereby canceling the original quiesce. In this case, message DFHFC6020 is followed by messages DFHFC6000, DFHFC6027, a DFHFC6001 for the unquiesce completing, and another DFHFC6001 for the unquiesce completing.

**User Response:** If timeouts occur regularly, the following action can be taken to resolve the problem

- Increase the QUIESTIM SIT value. This can be useful if the system is particularly busy when quiesces are likely to be issued.
- Change the long-running transaction which is holding up the request. Note that the transaction can be on any CICS in the sysplex.

The SET DSNAME IMMOQUIESCED command can be used to force purge any transaction and quiesce the data set. This should not be used regularly because force purges can occasionally abend CICS. The messages issued as part of the force purge enable the system programmer to identify the long-running transaction if no other method is available.

See also the Explanation of message DFHFC6005 for guidance.

**Destination:** Console and Transient Data Queue CSFL  
**Module:** DFHFCQS  
**XMEOUT Parameters:** date, time, applid, dsname

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**DFHFC6021**  
**date time applid**  
**An error has occurred while notifying VSAM RLS of the completion of CICS processing for a data set quiesce or backup. VSAM RLS codes X'rrrr', X'cccc', Data set dsname**

**Explanation:** An unexpected error occurred when CICS notified VSAM RLS that it had completed its processing for a data set quiesce, or for a BWO or non-BWO backup. The VSAM IDAQUIES macro failed with reason code cccc. rrrr is the return code in register 15.

**System Action:** CICS processing continues after taking a system dump is taken with dumpcode FC6021. The failure of the IDAQUIES macro may cause the data set operation to timeout or fail.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Use the IDAQUIES reason code to determine the cause of the problem. For the meaning of the IDAQUIES reason code, see the DFSMS/MVS Version 1 Release 5 DFSMSdip Diagnosis Reference.

If the data set operation has failed, retry the data set operation once the problem has been resolved.

If you cannot resolve the problem, or the problem reoccurs, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CSFL  
**Module:** DFHFCQI  
**XMEOUT Parameters:** date, time, applid, X'rrrr', X'cccc', dsname

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**DFHFC6022**  
**STORAGE OBTAIN macro failure in CICS RLS quiesce exit. MVS code X'rrrr'**

**Explanation:** The CICS RLS quiesce exit was driven by VSAM RLS to process a data set operation request. An attempt was made to get storage for the request but the STORAGE OBTAIN macro failed. rrrr is the return code in register 15.

**System Action:** The CICS RLS quiesce exit writes a GTF trace entry. The request is not processed by CICS. The data set operation continues throughout the sysplex.

**User Response:** Use the return code to determine the cause of the problem, then refer to the Explanation of message DFHFC6030 for guidance. For the meaning of the return code, refer to the OS/390 MVS System Codes manual.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console  
**Module:** DFHFCQX

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**DFHFC6023**  
**date time applid**  
**The quiesce of a data set has been suppressed by user exit XFCVSDS. Quiesce will be cancelled. Data set dsname**

**Explanation:** User code at global exit XFCVSDS has suppressed a quiesce for base data set dsname.

**System Action:** CICS cancels the quiesce throughout the sysplex by issuing an unquiesce for the data set.

**User Response:** See the Explanation of message DFHFC6005 for guidance.

**Destination:** Console and Transient Data Queue CSFL  
**Module:** DFHFCQX
**DFHFC6024**

**Explanation:** User code at global exit XFCREQ has suppressed the close of a file open against base data set dsname. The file was being closed because the data set was being quiesced.

**System Action:** CICS cancels the quiesce throughout the sysplex.

**User Response:** If the backup must take place, before it can succeed the user code at XFCVSDS must be disabled on all CICS systems in the sysplex.

**Destination:** Console and Transient Data Queue CSFL

**Module:** DFHFCQI

**XMEOUT Parameters:** date, time, applid, dsname

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**DFHFC6025**

**Explanation:** User code at global exit XFCVSDS has suppressed a DFSMSdss-initiated backup for base data set dsname.

**System Action:** CICS cancels the backup throughout the sysplex.

**User Response:** If the backup must take place, before it can succeed the user code at XFCVSDS must be disabled on all CICS systems in the sysplex.

**Destination:** Console and Transient Data Queue CSFL

**Module:** DFHFCQU

**XMEOUT Parameters:** date, time, applid, (1=Non-BWO, 2=BWO), dsname

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**DFHFC6026**

An error has occurred while notifying VSAM RLS of the completion of CICS processing for a data set quiesce or backup. The SMSVSAM server is not available. Data set dsname.

**Explanation:** CICS has notified VSAM RLS that it has completed its processing for a data set quiesce, or a BWO or non-BWO backup, but the SMSVSAM server address space is not available.

**System Action:** CICS processing continues. The SMSVSAM server address space should attempt to restart automatically.

The data set operation may fail or succeed, depending on whether the SMSVSAM server concerned was coordinating the operation or not.

**User Response:** The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. Retry the data set operation if it has failed.

If the SMSVSAM server address space fails to restart, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CSFL

**Module:** DFHFCQI

**XMEOUT Parameters:** date, time, applid, dsname

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**DFHFC6027**

**Explanation:** CICS has successfully notified VSAM RLS that it has completed its processing for a data set quiesce, or a BWO or non-BWO backup.

**System Action:** CICS processing continues. The data set operation continues throughout the sysplex, until all CICS systems involved have successfully notified VSAM RLS of the completion of their processing.

**User Response:** None.

**Destination:** CSFL

**Module:** DFHFCQI

**XMEOUT Parameters:** date, time, applid, dsname

---

**DFHFC6028**

**Explanation:** CICS system transaction CFQS or CFQR has started successfully.

CFQS and CFQR provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss-initiated BWO and non-BWO backups, and certain other data set related operations.

**System Action:** CICS processing continues.

**User Response:** None.

**Destination:** CSFL

**Module:** DFHFCQT

**XMEOUT Parameters:** date, time, applid, transid

---

**DFHFC6029**

**Explanation:** CICS system transaction CFQS or CFQR has failed due to a serious error. An attempt will be made to reattach the transaction transid.

A preceding message should indicate the cause of the error.

CFQS and CFQR provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss-initiated BWO and non-BWO backups, and certain other data set related operations.

**System Action:** The transaction is reattached and CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Check Transient Data Queue CSFL for message DFHFC6028, indicating that the reattach of the transaction was successful. If the reattach fails, VSAM RLS data set quiesce support is lost. If this happens, CICS must be restarted.

If it is not possible to restore VSAM RLS quiesce support, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CSFL

**Module:** DFHFCQT

**XMEOUT Parameters:** date, time, applid, transid
**DFHFC6030**

`date time applid` The CICS RLS quiesce exit was unable to process data set operation request `X'type' for (data set | cache) name`

**Explanation:** The CICS RLS quiesce exit was driven by VSAM RLS to process data set operation request `type` for data set or cache `name`, but encountered a severe error and was unable to process the request. The error is normally caused by a STORAGE OBTAIN macro failure.

A preceding console message (normally DFHFC6022) gives more information about the error.

This message is issued by DFHFCQX on behalf of the CICS RLS quiesce exit DFHFCQX.

**Note:** The CICS RLS quiesce exit is used by VSAM RLS to notify CICS that processing is required for the following data set related operations. The number corresponds to `type` in the message.

01 The quiesce of a data set
02 The unquiesce of a data set
03 The start of a DFSMSdss non-BWO backup
04 The end of a DFSMSdss non-BWO backup
05 The start of a DFSMSdss BWO backup
06 The end of a DFSMSdss BWO backup
07 The recovery of lost locks for a data set
08 The completion of forward recovery for a data set
09 The recovery of a coupling facility cache structure.

**System Action:** CICS continues after taking a system dump with dumpcode FC6030. The data set operation request is not processed by CICS.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Referring to the preceding console message, attempt to determine the cause of the problem. Because CICS could not process the request, this might invalidate later processing. For example, if the request was for the quiesce of a data set, open files against the data set must be closed manually, or the quiesce retried using EXEC CICS SET DSNAME QUIESCED or the CEMT equivalent. If the request was in connection with a BWO or non-BWO backup, the backup may be invalid and should be discarded.

If you cannot resolve the problem, or the problem recurs, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CSFL

**Module:** DFHFCQR

**XMEOUT Parameters:** `date, time, applid, X'type', {1=data set, 2=cache}, name`

**DFHFC6031**

`date time applid` Attempt by [CICS | user] to process data set operation request `{'quiesce' | 'unquiesce'}' for base data set `dsname` failed because the SMSVSAM server detected an internal error. Data set `dsname`

**Explanation:** An attempt by a user to issue a quiesce function for the base data set `dsname` failed because the SMSVSAM server detected an internal error.

**System Action:** CICS continues processing. The request is canceled throughout the sysplex.

**User Response:** None.

**Destination:** Console and Transient Data Queue CSFL

**Module:** DFHFCQS

**XMEOUT Parameters:** `date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, dsname`

**DFHFC6032**

`date time applid` Attempt by CICS to cancel (non-BWO | BWO) backup request failed because the SMSVSAM server detected an internal error. Data set `dsname`

**Explanation:** An attempt by CICS to cancel a backup request for the base data set `dsname` failed because the SMSVSAM server detected an internal error.

**System Action:** CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request.

**User Response:** None.

**Destination:** Console and Transient Data Queue CSFL

**Module:** DFHFCQS

**XMEOUT Parameters:** `date, time, applid, {1=non-BWO, 2=BWO}, dsname`

**DFHFC6033**

`date time applid` Attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup of a data set failed because the SMSVSAM server detected an internal error. Data set `dsname`

**Explanation:** An attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup for the base data set `dsname` failed because the SMSVSAM server detected an internal error.

**System Action:** CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request.

**User Response:** None.

**Destination:** Console and Transient Data Queue CSFL

**Module:** DFHFCQI

**XMEOUT Parameters:** `date, time, applid, dsname`

**DFHFC6034**

`date time applid` Attempt by [CICS | user] to process data set operation request `{'quiesce' | 'unquiesce'}' failed because the user is not authorized to access the sphere. Data set `dsname`

**Explanation:** An attempt by a user to issue a quiesce function for the base data set `dsname` failed because the user is not authorized to access the sphere.

**System Action:** CICS continues processing. The request is canceled throughout the sysplex.

**User Response:** None.

**Destination:** Console and Transient Data Queue CSFL

**Module:** DFHFCQS

**XMEOUT Parameters:** `date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, dsname`
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DFHFC6035  date time applid Attempt by CICS to cancel (non-BWO I BWO) backup request failed because the user is not authorized to access the sphere. Data set dsname

Explanation: Attempt by CICS to cancel a backup request for the base data set dsname failed because the user is not authorized to access the sphere.

System Action: CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQG

XMEOUT Parameters: date, time, applid, (1=non-BWO, 2=BWO), dsname

DFHFC6036  date time applid Attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup of a data set failed because the user is not authorized to access the sphere. Data set dsname

Explanation: An attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup for the base data set dsname failed because the user is not authorized to access the sphere.

System Action: CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQI

XMEOUT Parameters: date, time, applid, dsname

DFHFC7000  applid The maximum records parameter(rrr) specified on OPEN of coupling facility data table dddd, poolname pppp, for file filename, differs from the current maximum records parameter(ssss) for the table.

Explanation: During OPEN of coupling facility data table dddd for file filename it has been found that the maximum records parameter rrr specified in the file definition is different from that already specified for the table on a previous OPEN or server SET command.

System Action: The open continues. This is a warning message. The maximum records parameter ssss already set is the one that applies. The different maximum records parameter is ignored.

User Response: Ensure that the maximum records parameter that is in use is as expected. If not, delete the table and reopen it after correcting the maximum records parameter in the file definition. Alternatively, reopen the table via another file definition that already has the correct maximum records parameter or use the coupling facility data table server SET command to change the maximum records parameter for the table.

DFHFC7002  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because access is not allowed.

Explanation: The OPEN of coupling facility data table dddd for file filename, pool poolname has failed because access is not allowed. The security check for the table has failed.

A RACF message containing a return code indicating the reason for failure will have been issued prior to this message.

System Action: The table cannot be opened.

User Response: Set the correct table access using RACF.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7003  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table is not currently available for access.

Explanation: The OPEN of coupling facility data table dddd for file filename, pool poolname has failed because the table is currently not available for access. The table has been set unavailable by an earlier server command. This prevents the opening of new files against this table.

System Action: The table cannot be opened. CICS continues processing with the table closed and its state unchanged. Any transactions attempting to use the table will get a NOTOPEN condition.

User Response: Ensure that the server command to set the table available is issued before attempting to open the file. The format of this command is MODIFY server-name,SET TABLE=name,AVAILABLE=YES/NO

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7004  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table is not yet loaded.

Explanation: The OPEN of coupling facility data table dddd for file filename, pool poolname has failed because the table requires loading and is not already being loaded. The user has tried to open it for shared access. A shared access open will only succeed if the table is already being loaded or has completed loading.

System Action: The table cannot be opened.

User Response: Investigate why the table has not already been loaded or started loading. Change the file definition to make this OPEN do the load if that is appropriate.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname
DFHFC7005  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because of a shared access conflict.

Explanation: The OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because of a shared access conflict. CICS either requests an EXCLUSIVE open (for the purposes of loading) or a SHARED open (for all other cases).

For a shared open request, this error means that the open mode which CICS has specified for this data table conflicts with the shared access mode which has been specified by an existing exclusive open for the data table. For an exclusive open request, this means that the shared access mode which CICS has specified on the open conflicts with one or more existing shared opens for the data table. CICS should not normally specify conflicting open or shared access modes.

System Action: The file cannot be opened.

User Response: Investigate the access modes of other opens against the data table dddd in pool poolname, using a server query, to determine whether there is an error.

Destination: Console
Module: DFHFCDO
XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7006  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because of an exclusive access conflict.

Explanation: The OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because of an exclusive access conflict. Exclusive access to the data table is not available. This error can occur when CICS has requested an exclusive open in order to load the data table from a source data set, if another open already has exclusive access. The error can also occur on a request to delete a data table if there are any opens against the data table. CICS should not normally specify access modes which could result in an exclusive access conflict.

System Action: The table cannot be opened.

User Response: Investigate any other opens against the data table dddd in pool poolname, for example using a server query, to determine whether it is expected that access is denied.

Destination: Console
Module: DFHFCDO
XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7007  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because one or more attributes on the file definition are incompatible with those that were set for the table when it was created.

Explanation: An OPEN request naming an existing table specifies one or more attributes for the table which are not compatible with those for the existing table. The coupling facility data table server has rejected the open.

The attributes that may be incorrect are:

- record length
- key length
- initial load option

- update model
- recovery status

This can also occur if the coupling facility data table server that is attempting to open the table is at a lower release level than the server which created the table, as the newer server may have set internal attributes when it created the table which are not supported by the older server.

System Action: CICS fails the open.

User Response:

Use the coupling facility data table server DISPLAY command to view the attributes for the table and then determine whether:

- the file definition for the table just opened should have its attributes changed to match the server values
- the already created table is incorrect because the file definition whose open caused the creation of the table has incorrect attributes. In this case the table should be deleted and recreated either by correcting the file definition or via a file definition which already has the correct values.

Note that this problem could occur if there has been unintentional use of the same table name in different file definitions.

When the problem has been corrected, retry the open.

Destination: Console
Module: DFHFCDO
XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7010  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because recovery is not enabled.

Explanation: An attempt was made to open a recoverable table dddd for read/write access, but the client region has not yet issued a restart request to enable recovery support for this pool connection.

System Action: The open fails.

User Response: Investigate why there has been no restart request by checking for CICS error messages.

Destination: Console
Module: DFHFCDO
XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7012  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because there is no space in the pool.

Explanation: The coupling facility list structure for the table pool has no more space available.

System Action: The open fails.

User Response: Investigate whether space can be freed in the coupling facility list structure by deleting tables, or records in tables, that are no longer required.

Alternatively, use the DISPLAY POOLSTATS command to find if the structure is currently at its maximum size; and if not, increase the size using the SETXCF ALTER command.

Destination: Console
Module: DFHFCDO
XMEOUT Parameters:applid, dddd, filename, poolname

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DFHFC7013  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the maximum number of tables has been reached.

Explanation: A new table cannot be created because the maximum number of tables specified when the first server was started for the structure has been reached.

System Action: The open fails.
User Response: Investigate whether the number can be increased or whether there are any tables no longer required that could be deleted.
Destination: Console
Module: DFHFCDO
XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7014  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because there are too many users.

Explanation: The number of concurrent opens for table dddd has reached the maximum supported limit which is currently 1024. This means that there are already 1024 files open against all reference the same coupling facility data table in the same coupling facility data table pool.

System Action: The open fails.
User Response: Investigate reducing the number of concurrent users; that is, the number of files open against this coupling facility data table.
Destination: Console
Module: DFHFCDO
XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7015  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table has been destroyed.

Explanation: Table dddd in pool poolname is no longer valid. The most likely cause is that a delete request overlapped with the current request.

System Action: The open fails.
User Response: Investigate whether the table was deleted. This is not an error if the table is no longer required. If the table is still required, it should be recreated by opening it again.
Destination: Console
Module: DFHFCDO
XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7018  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table requires loading.

Explanation: The OPEN of file filename has failed because it requires the associated coupling facility data table dddd, which resides in coupling facility data table pool poolname, to have been pre-loaded, but the table has not yet been loaded. Automatic loading of the data table could not be initiated because there is no source data set specified for this file, either in the file definition or in the CICS startup JCL.

System Action: The file cannot be opened.
User Response: There are a number of possible operational errors which might have resulted in this failure:
1. The application does not require the coupling facility data table dddd to be pre-loaded. The 'load required' parameter should be removed from the file definition for file filename.
2. The application does require the coupling facility data table dddd to be pre-loaded, but it should already have been loaded before file filename was opened. If this is the case, then there should be at least one file definition within the sysplex that names data table dddd in pool poolname and which specifies a source data set, or for which the source data set is supplied in the CICS startup JCL. You should issue an open for one of the files which specifies the source data set, after which an open of this file should succeed.
You may also want to put operational procedures in place which will ensure that in future this file is only opened after the data table has been loaded. Use of the data tables load complete global user exit point, XDTLC, might be one way of achieving this.
3. The application does require the coupling facility data table dddd to be pre-loaded, and it is intended that the load should be automatically initiated by opening file filename (unless the table has already been loaded). A source data set name should have been specified, either in the file definition for file filename or in the CICS startup JCL as a DD card for file filename, depending on whether dynamic allocation or preallocation is required respectively.
Destination: Console
Module: DFHFCDO
XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7019  applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the table requires loading but the supplied data set is not KSDS.

Explanation: The OPEN of file filename has failed because it requires the associated coupling facility data table dddd, which resides in coupling facility data table pool poolname, to have been pre-loaded, but the table has not yet been loaded. Automatic loading of the data table could not be initiated because the source data set specified for this file, either in the file definition or in the CICS startup JCL, is not a KSDS. Coupling facility data tables can only be loaded from VSAM KSDS data sets.

System Action: The file cannot be opened.
User Response: Investigate whether the reason for this error is that the file should not have been defined as requiring loading, or that the data set name specified is incorrect, or that no data set name should have been specified (because the data table should be pre-loaded via some other file definition before this file is opened). Correct the file definition, re-install and retry the open.
Destination: Console
Module: DFHFCDO
XMEOUT Parameters: applid, dddd, filename, poolname
DFHFC7032 applid CLOSE of coupling facility data table dddd for file filename, pool poolname, has failed because the table has been destroyed.

Explanation: The table is no longer valid in the pool. The most likely reason is that a delete request overlapped with the current request.

System Action: The close fails.

User Response: Investigate whether the table was deleted. This is not an error if the table is no longer required. If the table is still required, it should be recreated by opening it again.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7051 applid A request to inquire on which attributes of coupling facility data table dddd, file filename, pool poolname, are incompatible has failed because the table could not be found.

Explanation: Inquire for coupling facility data table dddd has failed because during the request it was found that the table could not be found. CICS File Control issued the inquire as the result of an open failure due to incompatible table attributes. The inquire was intended to provide which attributes were in error so that they could be given as part of the open failure diagnostics.

System Action: The table open has failed due to incompatible attributes and the processing to provide more information on which attributes are incorrect has detected that the table can now not be found.

User Response: Investigate why the table cannot be found.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7071 applid The request to set shared access for coupling facility data table dddd, file filename, pool poolname, at the end of a successful table load, has failed because access is not allowed.

Explanation: At the end of a coupling facility data table load, the source data set is closed and CICS File Control requests the server to change the table access from the exclusive access that was required for loading to shared access. The server has returned that the table cannot be found.

System Action: Although the table was successfully opened and loaded, the load is not considered complete because the request to the server to set the access to shared has not occurred. The table is closed again ready for the next open attempt which will retry the load. The close will still get the error, but the CICS side of close will complete.

User Response: Investigate why the table cannot be found. If it is still required open it again so that it will be recreated and reloaded.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7072 applid The request to set shared access for coupling facility data table dddd, file filename, pool poolname, at the end of a successful table load, has failed because the table cannot be found.

Explanation: At the end of a coupling facility data table load the source data set is closed, and CICS File Control requests the server to change the table access from the exclusive access that was required for loading to shared access. The server has returned that the table cannot be found.

System Action: Although the table was successfully opened and loaded, the load is not considered complete because the request to the server to set the access to shared has not occurred. The table is closed again ready for the next open attempt which will retry the load. The close will still get the error, but the CICS side of close will complete.

User Response: Investigate why the table cannot be found. If it is still required open it again so that it will be recreated and reloaded.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7073 applid The request to set shared access for coupling facility data table dddd, file filename, pool poolname, at the end of a successful table load, has failed because of a shared access conflict.

Explanation: At the end of a coupling facility data table load the source data set is closed, and CICS File Control requests the server to change the table access from the exclusive access that was required for loading to shared access. The server has returned that it cannot process the request because of a shared access conflict.

System Action: Although the table successfully opened and loaded, the load is not considered complete because the request to the server to set the access to shared has not occurred. The table is closed again ready for the next open attempt which will retry the load. The close will still get the error, but the CICS side of close will complete.

User Response: Investigate the access mode of other table, and what other files are open against it, to determine if there is an error. The coupling facility data table server supports commands, such as DISPLAY TABLE, which will provide you with this information.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7077 applid The request to set shared access for coupling facility data table dddd, file filename, pool poolname, at the end of a successful table load, has failed because the table has been destroyed.

Explanation: At the end of a coupling facility data table load the source data set is closed, and CICS File Control requests the server to change the table access from the exclusive access that was required for loading to shared access. The server has returned that the request has failed because the table has been destroyed.

System Action: All requests to use the table will return the same error.

User Response: Investigate why the table has been destroyed. If it is still required open it again so that it will be recreated and reloaded.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

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DFHFC7081

Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

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DFHFC7081 applid OPEN of coupling facility data table dddd for
file filename, pool poolname, has failed because the
key length or record length parameter on the file
definition is inconsistent with the equivalent for the source
data set.

Explanation: The OPEN of coupling facility data table dddd has
failed because before the call to the server to perform the actual
open, CICS has found that the record length and/or key length
specified by the user on the file definition does not match that
returned by VSAM when the associated source data set was
opened.

System Action: The table cannot be opened.

User Response: Check whether the file definition is in error or
whether the wrong data set has been specified. It is not necessary
to specify the parameters on the file definition if there is a source
data set. Clear the parameters or make them the same as the source.

Destination: Console
Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

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DFHFC7082 applid OPEN of coupling facility data table dddd for
file filename, pool poolname, has failed because the
key length or record length parameter for the source data set is inconsistent with the value
already set for the table.

Explanation: The OPEN of coupling facility data table dddd has
failed because the values for record length and/or key length
returned for the table on the open do not match those for the source data set specified in the file definition.

System Action: The table cannot be opened.

User Response: Check whether the wrong data set has been
specified in the file definition. If the table is opened and loaded by
another user, it is not necessary for this user to specify a source
data set in the definition.

Destination: Console
Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

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DFHFC7083 applid OPEN of coupling facility data table dddd for
file filename, pool poolname, has failed because the
key length or record length parameter specified on the file
definition is inconsistent with that already set for the table.

Explanation: The OPEN of coupling facility data table dddd has
failed because the values for record length and/or key length
returned for the table on the open do not match those specified in the file definition for the table.

System Action: The table is closed again.

User Response: Check whether the wrong data set has been
specified in the file definition. If the table is opened and loaded by
another user, it is not necessary for this user to specify record
length and key length on the file definition. Attention is drawn to the
mismatch rather than ignoring it in case there is an error.

Destination: Console
Module: DFHFCDO

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DFHFC7084 applid OPEN of coupling facility data table dddd for
file filename, pool poolname, has failed because the
table cannot be found.

Explanation: When a coupling facility data table server fails, all the
files which were accessing tables in that pool are marked as
requiring a re-open after connection to a new server instance. This
is required so that a valid table token is obtained for the new
instance. The re-open for coupling facility data table dddd for file
filename, pool poolname, has failed because the table has gone
away (possibly due to a failure of the coupling facility) since it was
last opened for this file.

System Action: The table cannot be opened. CICS closes and
enables the file so that a full open can be tried later. The full open
will recreate the table (unless the file definition specifies that the
table must already have been recreated, in which case another file
definition which specifies it is capable of recreating and loading the
table must be opened first).

User Response: Retry when the table is available.

Destination: Console
Module: DFHFCDO

XMEOUT Parameters: applid, dddd, filename, poolname

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DFHFC7085 applid On a request to process {OPEN | CLOSE |
EXTRACT STATISTICS} for coupling facility data table
dddd for file filename, pool poolname, is down. The server should be restarted.

Explanation: CICS has issued a request to a file which is defined
to use a coupling facility data table which resides in the pool
poolname. CICS did not currently have a connection established to
the pool, so an attempt to connect to the pool has to be made.
Before the connect, a query is issued to check whether the server
for the pool is available. The query has failed because the server is
currently down.

A coupling facility data table server is a separate address space
which handles all requests made to coupling facility data tables that
reside in the pool which it serves.

System Action: If the request is an open, CICS fails the request
to the coupling facility data table.

If the request is a close, CICS can complete close processing as
normal.

If the request is to extract statistics, issued while gathering file
control statistics, the request to obtain the statistics will fail. If the
request is to extract statistics, issued as part of INQUIRE FILE
processing in order to return the current MAXNUMRECS limit, then
the INQUIRE FILE request can complete as normal, but the
MAXNUMRECS value returned may differ from the current actual
value.

New requests to coupling facility data tables which reside in this
pool will check whether the server is available, and will attempt
another connect if it is.

User Response: Determine the reason for the failure. Diagnostic
messages issued by the coupling facility data table server address
space should assist you in doing this. The most likely cause of this
error is a problem with the coupling facility. The coupling facility
data table server does not automatically restart itself, so after you
have corrected the cause of the error, you should resubmit the job
which starts the server.

Destination: Console
SHARED.

until user exit XDTLC has been called, and the table has been associated source data set. The load, however, is not complete data table Explanation:

pool

| source data set for table

load has successfully processed all records in the associated source data set. The load, however, is not complete until user exit XDTLC has been called, and the table has been marked as loaded, with its access changed from EXCLUSIVE to SHARED.

System Action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate a successful load. The coupling facility data table server is called to mark the table as loaded and to set the access to shared. Another message (DFHFC7095) will be issued indicating that these have completed and that the load is complete. CICS processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCDO

DFHFC7086 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the {keylength / recordsize} of the source data set is greater than the supported maximum.

Explanation: The OPEN of file filename, associated with coupling facility data table dddd in coupling facility data table pool poolname, has failed because the key length and/or record size of the source data set specified for the file is greater than the value supported.

For a coupling facility data table, the key length must be less than or equal to 16 bytes, and the record size must be less than or equal to 32767 bytes.

The message indicates whether it was the key length or the record size which was found to be too large.

System Action: The file is left closed.

User Response: Check whether the wrong data set has been specified for this file (either in the file definition or in the CICS start-up JCL), and whether this data table really requires pre-loading from a source data set.

If the correct data set was specified, then this file may not be suitable for use as a coupling facility data table. If this was because the key length was beyond the range supported for coupling facility data tables, then consider redefining the file as a user-maintained data table or as an RLS file.

If the data table does not need to be pre-loaded, then specify LOAD(NO) on the file definition, and a key length and record size which are in the supported ranges.

Destination: Console

Module: DFHFCDO

DFHFC7087 XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7086 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the {keylength / recordsize} of the source data set is greater than the supported maximum.

Explanation: The OPEN of file filename, associated with coupling facility data table dddd in coupling facility data table pool poolname, has failed because the key length and/or record size of the source data set specified for the file is greater than the value supported.

For a coupling facility data table, the key length must be less than or equal to 16 bytes, and the record size must be less than or equal to 32767 bytes.

The message indicates whether it was the key length or the record size which was found to be too large.

System Action: The file is left closed.

User Response: Check whether the wrong data set has been specified for this file (either in the file definition or in the CICS start-up JCL), and whether this data table really requires pre-loading from a source data set.

If the correct data set was specified, then this file may not be suitable for use as a coupling facility data table. If this was because the key length was beyond the range supported for coupling facility data tables, then consider redefining the file as a user-maintained data table or as an RLS file.

If the data table does not need to be pre-loaded, then specify LOAD(NO) on the file definition, and a key length and record size which are in the supported ranges.

Destination: Console

Module: DFHFCDO

DFHFC7087 XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7090 date time applid CICS coupling facility data table load has started for data table dddd, file filename, pool poolname.

Explanation: CICS file control has detected that an open request has been issued for coupling facility data table data table dddd, and a task has been attached to load the data table.

System Action: CICS processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCDL

DFHFC7090 XMEOUT Parameters: date, time, applid, dddd, filename, poolname

DFHFC7086 applid OPEN of coupling facility data table dddd for file filename, pool poolname, has failed because the {keylength / recordsize} of the source data set is greater than the supported maximum.

Explanation: The OPEN of file filename, associated with coupling facility data table dddd in coupling facility data table pool poolname, has failed because the key length and/or record size of the source data set specified for the file is greater than the value supported.

For a coupling facility data table, the key length must be less than or equal to 16 bytes, and the record size must be less than or equal to 32767 bytes.

The message indicates whether it was the key length or the record size which was found to be too large.

System Action: The file is left closed.

User Response: Check whether the wrong data set has been specified for this file (either in the file definition or in the CICS start-up JCL), and whether this data table really requires pre-loading from a source data set.

If the correct data set was specified, then this file may not be suitable for use as a coupling facility data table. If this was because the key length was beyond the range supported for coupling facility data tables, then consider redefining the file as a user-maintained data table or as an RLS file.

If the data table does not need to be pre-loaded, then specify LOAD(NO) on the file definition, and a key length and record size which are in the supported ranges.

Destination: Console

Module: DFHFCDO

DFHFC7087 XMEOUT Parameters: applid, dddd, filename, poolname

DFHFC7090 date time applid CICS coupling facility data table load has started for data table dddd, file filename, pool poolname.

Explanation: CICS file control has detected that an open request has been issued for coupling facility data table data table dddd, and a task has been attached to load the data table.

System Action: CICS processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCDL

DFHFC7090 XMEOUT Parameters: date, time, applid, dddd, filename, poolname

DFHFC7091 date time applid CICS coupling facility data table load has successfully processed all records in the source data set for table dddd, file filename, pool pool.

Explanation: The task which was attached to load coupling facility data table dddd has successfully processed all of the records in the associated source data set. The load, however, is not complete until user exit XDTLC has been called, and the table has been marked as loaded, with its access changed from EXCLUSIVE to SHARED.

System Action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. The user exit may ask for the file to be closed. No more records are loaded into the coupling facility data table.

If the user exit did not request the file to be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has
already been loaded into the data table will succeed, but requests
to access any record beyond the loaded range will receive the
"LOADING" condition.

If the file has been closed, then API requests will receive a
"NOTOPEN" condition.

CICS processing continues.

User Response: Investigate the reason for the return code from
CICS file control. For further information about the reason code,
see the description of exception conditions for the STARTBR,
READNEXT and WRITE commands in the &dfhp4001..

You may be able to correct the cause of the failure, for example by
explicitly enabling the file if the reason is DISABLED, or re-cycling
the RLS server if it has failed. If the error is TABLE_FULLSCREEN,
meaning that the number of records to be loaded into the table
exceeds the MAXNUMRECS parameter, then you can increase this
parameter using the coupling facility data tables server command
SET TABLE=tablename,MAXRECS=n. (Note that although altering
the MAXNUMRECS parameter on the file definition within CICS,
using SET FILE for example, will not have any effect on the current
setting for the data table, you should consider resetting it to the
new value in order to avoid getting a warning message about the
mismatch.) If the error is CFDT_POOLFULL, then you can
increase the size of the coupling facility data table pool that this
data table resides in.

If it is possible to correct the problem which caused the load to fail,
then you can complete the load of the coupling facility data table by
closing the file which attempted the load (if it has not already been
closed) and re-opening it, or any other file which is capable of
loading the table; that is, which has access to the source data set.
This will cause the load to be restarted from the point at which it
failed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCDL

XMEOUT Parameters: date, time, applid, dddd, filename,
poolname, X'xx'

DFHFC7094 date time applid CICS coupling facility data table
load has terminated abnormally for coupling facility data table
dddd, file filename, pool poolname.

Explanation: The request to close the source data set at the end
of load of coupling facility data table dddd has failed. The most
likely cause of the failure is an error on the SET call to the coupling
facility data table server to mark the table as loaded and to set the
table access as shared, either because the server was down at the
time of the SET or because of an error returned by file control
during processing.

System Action:
The table and source are closed, leaving the table in a state such
that a subsequent open may be able to complete the load.
CICS processing continues.

User Response: Determine the cause of the failure using the
diagnostic information provided by file control.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCDL

XMEOUT Parameters: date, time, applid, dddd, filename,
poolname, X'xx'

DFHFC7095 date time applid CICS coupling facility data table
load has completed successfully for data table
dddd, file filename, pool poolname.

Explanation: The task that was attached to load coupling facility
data table dddd has successfully completed loading.

System Action: The exit XDTLC has been invoked and has
accepted the load. The table has been marked as loaded and the
table access has been set to SHARED. CICS processing
continues.

User Response: None.

Destination: CSFL

Module: DFHFCDL

XMEOUT Parameters: date, time, applid, dddd, filename, pool

DFHFC7100 date time applid CICS data table load has terminated
abnormally for coupling facility data table name, file
filename, pool poolname, a call to FCFR to BROWSE
the source data set has failed for reason code = n.

Explanation: The CICS task which is loading coupling facility data
table dddd has failed while calling file control to browse the source
data set. The value of the reason code n indicates the type of
failure as follows:

1. Response from FCFR was INVALID.
2. Response from FCFR was DISASTER.
3. Response from FCFR was PURGED.
4. FCFR failed for some unexpected reason.

System Action: The user exit XDTLC is invoked, if enabled, with
the parameter UEPDTORC set to indicate that loading completed
abnormally. The user exit may ask for the file to be closed. No
more records are loaded into the coupling facility data table, and
CICS terminates the loading transaction with abend code ACFA.

If the user exit did not request that the file be closed (or if no user
exit program was enabled at the XDTLC exit point), then API
requests to access records within the range of keys which has
already been loaded into the data table will succeed, but requests
to access any record beyond the loaded range will receive the
"LOADING" condition.

If the file has been closed, then API requests will receive a
"NOTOPEN" condition.

CICS processing continues.

Message DFHME0116 is normally produced containing the
symptom string for this problem.

User Response: Determine the cause of the failure of the domain
call using the diagnostic information provided by file control.

If it is possible to correct the problem which caused the browse to
fail, then you can complete the load of the coupling facility data
table by closing the file which attempted the load (if it has not
already been closed) and re-opening it, or any other file which is
capable of loading the table; that is, which has access to the
source data set. This will cause the load to be restarted from the
point at which it failed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCDL

XMEOUT Parameters: date, time, applid, name, filename,
poolname, n
**Explanation:** The CICS task that is loading coupling facility data table `dddd` has failed while trying to close the file at the request of an exit program invoked at exit point XDTLC. The value of reason code `n` indicates the type of failure as follows:

1. Response from FCFS was INVALID.
2. Response from FCFS was DISASTER.
3. Response from FCFS was PURGED.
4. FCFS failed for some unexpected reason.

**System Action:** CICS terminates the loading transaction with abend code ACFA.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** It is unlikely that the user exit invoked at the XDTLC exit point would request that the file should be closed unless a previous problem had occurred with the load. Determine the cause of any such previous problem by checking for earlier messages which may have been issued referring to data table `dddd`. Diagnostic information provided by file control may be used to investigate the failure of the close file call.

CICS processing continues.

Report the details of the symptom string given in message DFHME0116.

**Destination:** Console and Transient Data Queue CSFL

**Module:** DFHFCDL

**XMEOUT Parameters:** `date`, `time`, `applid`, `dddd`, `filename`, `poolname`, `n`

**Explanation:** The special CICS transaction that was loading coupling facility data table `dddd` has detected an abnormal termination.

**System Action:** Depending on the cause of this abnormal termination, CICS may produce either a system dump or a transaction dump.

The user exit XDTLC is invoked, if enabled, with the parameter `UEPDTORC` set to indicate that loading completed abnormally. The user exit may ask for the file to be closed. No more records are loaded into the coupling facility data table, and CICS terminates the loading transaction with abend code ACFA.

If the user exit did not request that the file be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has already been loaded into the data table will succeed, but requests to access any record beyond the loaded range will receive the “LOADING” condition.

If the file has been closed, then API requests will receive a “NOTOPEN” condition.

CICS processing continues.

**User Response:** Look at the system log for related CICS messages to determine the original abend detected by the loading transaction. Refer to the description of abend code ACFA for further information about the cause of the original termination.

For more information on how to determine system problems, refer to the CICS Problem Determination Guide.

**Explanation:** The CICS task that is loading coupling facility data table `dddd` has failed while calling file control to write to the data table. The value of the reason code `n` indicates the type of failure as follows:

1. Response from FCFS was INVALID.
2. Response from FCFS was DISASTER.
3. Response from FCFS was PURGED.
4. FCFS failed for some unexpected reason.

**System Action:** The user exit XDTLC is invoked, if enabled, with the parameter `UEPDTORC` set to indicate that loading completed abnormally. The user exit may ask for the file to be closed. No more records are loaded into the coupling facility data table, and CICS terminates the loading transaction with abend code ACFA.

If the user exit did not request that the file be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has already been loaded into the data table will succeed, but requests to access any record beyond the loaded range will receive the “LOADING” condition.

If the file has been closed, then API requests will receive a “NOTOPEN” condition.

CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

If it is possible to correct the problem which caused the write to fail, then you can complete the load of the coupling facility data table by closing the file which attempted the load (if it has not already been closed) and re-opening it, or any other file which is capable of loading the table; that is, which has access to the source data set. This will cause the load to be restarted from the point at which it failed.

**Destination:** Console and Transient Data Queue CSFL

**Module:** DFHFCDL

**XMEOUT Parameters:** `date`, `time`, `applid`, `dddd`, `filename`, `poolname`, `n`
**DFHFC7110** applid An attempt to connect to coupling facility data table pool poolname, issued by module modulename, has failed.

Explanation: CICS has issued a request to a file which is defined to use a coupling facility data table which resides in the pool poolname. CICS did not currently have a connection established to the pool, so an attempt to connect to the pool has been made. This attempt has failed. The connect attempt was issued from module modulename.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves. CICS must have a connection to the server before it can open and access coupling facility data tables in the pool.

System Action: CICS fails the request to the coupling facility data table.

New requests to coupling facility data tables which reside in this pool will check whether the server is available and will attempt another connect if it is.

User Response: Determine the reason for the failure to connect. Diagnostic messages issued by the coupling facility data table server address space should assist you in doing this. The most likely cause of this error is a problem with the coupling facility. The coupling facility data table server does not automatically restart itself, so after you have corrected the cause of the error, you should resubmit the job which starts the server.

Destination: Console

Modules: DFHFCDR, DFHFCEO, DFHFCDU

XMEOUT Parameters: applid, poolname, modulename

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**DFHFC7111** applid An attempt to disconnect from the coupling facility data table server pool poolname for connection token X'connecttoken', issued by module modulename, has failed.

Explanation: CICS has detected that an instance of the coupling facility data table server for pool poolname has failed. CICS has therefore attempted to disconnect from this pool server, but this attempt has failed. The disconnect has been issued by module modulename, and connecttoken is the token which was associated with the connection to this pool server.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves.

System Action: CICS continues. As soon as a new instance of the pool server is available (which it might already be) then CICS can re-establish a connection to the server and continue to process coupling facility data table requests.

In many cases, CICS will later be able to disconnect from the server automatically. If not, the only effect of this failure is that some storage allocated by the server to the connection will not be freed until CICS terminates, at which time a disconnect message will be issued by the pool server for each instance from which CICS failed to disconnect.

User Response: Determine the reason for the failure to disconnect. Diagnostic messages issued by the coupling facility data table server address space should assist you in doing this.

Destination: Console

Modules: DFHFCDR, DFHFCEO, DFHFCDU

XMEOUT Parameters: applid, poolname, X'connecttoken', modulename

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**DFHFC7112** applid Resynchronization of coupling facility data table pool poolname issued from module modulename has failed.

Explanation: CICS has issued a request to a file which is defined to use a coupling facility data table which resides in the pool poolname. CICS did not currently have a connection established to the server for this pool, so an attempt to connect to and resynchronize the pool server has been made, but the resynchronization has failed. The attempt to resynchronize was issued from module modulename.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves. When CICS re-establishes its connection to a coupling facility data table pool server, it must perform resynchronization in order to complete recovery processing for any unresolved units of work which had made recoverable updates to coupling facility data tables residing in the pool.

System Action: CICS fails the request to the coupling facility data table.

Other requests to coupling facility data tables which reside in this pool will succeed if they do not require the pool to have been resynchronized, or might attempt another resynchronization if they do.

User Response: Determine the reason for the failure to resynchronize. Diagnostic messages issued by CICS components involved in the resynchronization and by the coupling facility data table server address space should assist you in doing this.

Depending on the stage during resynchronization at which the failure occurred, any subsequent request to a recoverable file which uses a coupling facility data table in the pool might trigger an attempt to retry the resynchronization. If such requests do not trigger a retry, then you should recycle the server region for this pool (by stopping or cancelling the server region using a server command, and then restarting it).

Destination: Console

Modules: DFHFCDR, DFHFCEO, DFHFCDU

XMEOUT Parameters: applid, poolname, modulename

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**DFHFC7113** applid An attempt to retry resynchronization of coupling facility data table pool poolname issued from module modulename has failed.

Explanation: CICS has issued a request to the coupling facility data table server for pool poolname. This request requires the pool to have been resynchronized.

Although CICS currently has a connection established to the pool server, an earlier attempt to resynchronize the pool failed, so the resynchronization has been retried. This retry has also failed. The attempt to retry resynchronization of the pool was issued from module modulename.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves. When CICS has re-established its connection to a coupling facility data table pool server, it must perform resynchronization in order to perform recovery processing for any unresolved units of work which had made recoverable updates to coupling facility data tables residing in the pool.

Certain requests require the coupling facility data table pool to have been resynchronized before they can succeed. Such requests include:
• Open requests for files which are defined to use recoverable coupling facility data tables (open requests against non-recoverable coupling facility data tables do not require the pool to have been resynchronized).

• Syncpoint requests for units of work which have made recoverable updates to coupling facility data tables such as commit or backout requests.

These requests do not require all the units of work to have been resolved, but they do require CICS to have successfully restarted its recoverable connection to the pool server.

**System Action:** CICS fails the request to the coupling facility data table pool.

Other requests to this pool server will succeed if they do not require the pool to have been resynchronized, or will attempt another resynchronization if they do.

**User Response:** Determine the reason for the failure to resynchronize. Diagnostic messages issued by CICS components involved in the resynchronization and by the coupling facility data table server address space should assist you in doing this.

**Destination:** Console

**Modules:** DFHFCDO, DFHFCDU

**XMEOUT Parameters:** applid, poolname, modulename

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**DFHFC7114 applid Force purge of transaction trannum which made recoverable updates to coupling facility data table pool poolname has failed.**

**Explanation:** An attempt to force purge transaction trannum has failed. The system attempted to force purge the transaction because it had made recoverable updates to one or more coupling facility data tables residing in the coupling facility data table pool poolname, and the server for that coupling facility data table pool is undergoing resynchronization. The fact that this resynchronization is taking place is an indication that a failure has occurred which will have resulted in all recoverable updates made to the coupling facility data table pool poolname, which have not yet been committed, having been backed out. This transaction had therefore made updates which have since been backed out, so the transaction needs to be abended, in order to ensure that any updates which it made to other recoverable resources will also be backed out. However, it has not been possible to purge this transaction.

The effect of the failure to purge this transaction is that updates made to other recoverable resources may be committed, with the result that the overall unit of work will not be commit-consistent. It is also possible that the transaction will try to make subsequent updates to the coupling facility data table pool which will cause it to be abnormally terminated.

**System Action:** Resynchronization of the coupling facility data table server pool continues.

**User Response:**

If the transaction is still active, then attempt to force purge the transaction using the CEMT master terminal command. However, as this should be a rare situation, consider performing an immediate shutdown of CICS followed by an emergency restart as an alternative solution. This causes all inflight transactions to be backed out.

**Destination:** Console

**Module:** DFHFCDY

**XMEOUT Parameters:** applid, trannum, poolname

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**DFHFC7115 applid The coupling facility data table server for pool poolname has failed and restarted. One or more in-flight transactions which had made recoverable updates to coupling facility data tables residing in the pool will be abended.**

**Explanation:** The coupling facility data table server for data table pool poolname is undergoing resynchronization. The fact that this resynchronization is taking place is an indication that a failure has occurred which will mean that any recoverable updates made to the coupling facility data table pool poolname that had not yet been committed will have been backed out. Any in-flight transaction which had made recoverable updates to one or more coupling facility data tables residing in data table pool poolname therefore needs to be abended, in order to ensure that any updates which it made to other recoverable resources will also be backed out.

This message is issued to inform you that one or more such in-flight transactions has been found, and that CICS will attempt to abend the transactions and cause them to back out by force purging them. You should therefore expect that one or more transactions will be abnormally terminated with an ATCH transaction abend code (or possibly, in some instances, with an AKC3 abend code).

**System Action:** Resynchronization of the coupling facility data table server pool will complete, and one or more in-flight transactions will be abnormally terminated.

**User Response:** None.

This message is purely informational, to indicate that transactions will be abended in order to preserve data integrity.

**Destination:** Console

**Module:** DFHFCDY

**XMEOUT Parameters:** applid, poolname

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**DFHFC71120 applid The coupling facility data table pool poolname has an unresolved unit of work X'UOWid' for this CICS region of which CICS has no knowledge.**

**Explanation:** CICS is resynchronizing the coupling facility data table server for pool poolname.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool that it serves. When CICS has established its connection to a coupling facility data table pool server, it must perform resynchronization in order to perform recovery processing for any unresolved units of work which had made recoverable updates to coupling facility data tables residing in the pool. The resynchronization involves restarting the recoverable connection to the pool server, and completing any unresolved units of work known to the server for which the resolution is now known.

The server has an unresolved unit of work UOWid, but CICS has no knowledge of a link to the pool server for this unit of work. Knowledge of links will be lost when CICS performs an initial start, but in the case of unit of work UOWid there has not been a CICS initial start since the unit of work was created.

**System Action:** CICS resolves the unit of work by backing out the updates that it made to coupling facility data tables within the pool, and completes resynchronization of the pool.

**User Response:** Since CICS will have resolved the unit of work, you do not need to take any immediate action. This message is issued to provide diagnostic information which you may want to use to understand why CICS had no knowledge of the link.

**Destination:** Console
DFHFC7121

Module: DFHFCDY
XMEOUT Parameters: applid, poolname, X’UOWid’

DFHFC7121 applid CICS coupling facility data table load has terminated abnormally. A call to DFHXMIQ to retrieve the parameters for the load transaction has failed with response code = n.

Explanation: The CICS task to load a coupling facility data table has failed while trying to inquire on the parameters passed to it during attach. The value of the reason code n indicates the type of failure as follows:

1. Response from XMIQ was INVALID.
2. Response from XMIQ was DISASTER.
3. Response from XMIQ was PURGED.
4. XMIQ failed for some unexpected reason.

System Action: The user exit XDTLC is not invoked as failure to retrieve the attach parameters means the filename is not known.

CICS terminates the loading transaction with abend code ACFD.

No records are loaded into the data table.

Requests to access the table result in a “loading” response code.

CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

The file should be closed so that a load may be attempted again when it is next opened.

Destination: Console
Module: DFHFCDL
XMEOUT Parameters: applid, n

DFHFC7130 date time applid tranid trannum termid userid. Unit of work X’uowid’ running in region owner-applid in MVS system MVSid holds a lock on key X’keyid’ in coupling facility data table tablename in pool CFDTpool, which caused this request to wait.

Explanation: This message is issued to aid problem determination when a transaction that has accessed, or attempted to access, a coupling facility data table is about to terminate abnormally with an AFCY abend code.

The message is issued when a request to a coupling facility data table times out waiting on a lock. A request that requires a lock on a coupling facility data table has been issued, but was forced to wait because the record was locked by another unit of work. The wait has been purged by one of the following actions:

- The timeout time for the transaction has been exceeded.
- CICS has purged transactions in an attempt to alleviate a short-on-storage (SOS) condition.
- The transaction has been purged by an operator request.

The name of the transaction that has failed is tranid and it is running under task number trannum, at terminal termid, for user userid.

The message inserts identify the owner of the lock that caused this transaction to timeout:
- uowid is the local UOW id of the unit of work running in the region that owns the lock.
- owner-applid is the applid of the region that owns the lock.
- MVSid is the name of the MVS system in which the region that owns the lock is running.
- keyid identifies the key that is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation.
- tablename is the name of the coupling facility data table against which the lock is held.
- CFDTpool is the name of the coupling facility data table pool in which the CF data table tablename resides.

The locks held against coupling facility data tables are always exclusive locks, and can only have one holder. Therefore, this message uniquely identifies the owner of the required lock.

System Action: The transaction is abended with an AFCY abend code.

User Response: This message identifies the unit of work that is holding the required lock and the region in which it is running. Examine this unit of work to see why it is not releasing the lock; for example:

- The unit of work may be holding CF data table locks and waiting for terminal input.
- The unit of work may be trying to access both coupling facility data table resources and resources owned by another resource manager, creating an inter-resource manager deadlock.

Destination: CSFL
Module: DFHFCDR
XMEOUT Parameters: date, time, applid, tranid, trannum, termid, userid, X’uowid’, owner-applid, MVSid, X’keyid’, tablename, CFDTpool

DFHFExxxx messages

DFHFExx301 Transaction complete

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, has completed.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User
Module: DFHFEP

DFHFExx302 Invalid debug request

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, either found a syntax error in the debug request, or found that the installed transaction definition option was invalid.

System Action: The task ends.

User Response: Check for syntax errors or for an invalid installed transaction definition option. Correct the errors and reenter the request.

Destination: Terminal End User
Module: DFHFEP
DFHFE3303 Invalid trace option

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, found a syntax error in the trace request (ZCQTRACE).

System Action: The task ends.

User Response: Check for syntax errors. Correct the errors and reenter the request.

Destination: Terminal End User

Module: DFHFEP

DFHFE3304 Enter PRINT for character set, END to terminate. All other data will be echoed.

Explanation: This message is sent to the terminal when the CSFE transaction is started. It asks the engineer what action is required from the field engineering program, DFHFEP.

System Action: The task waits for a response.

User Response: Enter PRINT to display the character set. Enter END to terminate module DFHFEP. All other data typed in is echoed to the screen.

Destination: Terminal End User

Module: DFHFEP

DFHFE3307 Invalid option specified in request

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, found an error in one of the options specified in the request. Either the specified option could not be found (for example, an invalid transaction definition) or it was an invalid type. CSFE ends without completing the request.

System Action: The task ends.

User Response: Correct the error and reenter the request.

Destination: Terminal End User

Module: DFHFEP

DFHFE3308 Program DFHTRAP is not available - global trap not activated

Explanation: CICS could not find the global trap exit program, DFHTRAP, during execution of the CICS field engineering transaction request, CSFE DEBUG,TRAP=ON.

System Action: CICS continues with the global trap not activated.

User Response: Ensure that DFHTRAP is defined in the processing program table and made available in the program library. You should use the global trap exit only in consultation with an IBM support representative.

Destination: Console

Module: DFHFEP

XMEOUT Parameter: applid

DFHICxxxx messages

DFHIC0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where it was detected.

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.
DFHIC0200

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you will need assistance. Bring CICS down in a controlled shutdown and collect the dumps and any relevant messages sent by the module identified in the message. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHEIIC

XMEOUT Parameters: *applid*, X'code', *modname*

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DFHIC0200 *date time applid* Automatic transaction restart for transaction *tranid* has failed.

Explanation: A STARTed nonterminal transaction is ending abnormally and automatic transaction restart was requested via the user replaceable module DFHREST. A severe error occurred when CICS attempted to restart the transaction.

System Action: Message DFHAP0002 with a dump is issued for the severe error that caused the restart to fail. Abnormal termination of the transaction for which restart was requested continues. The transaction is not automatically restarted.

User Response: Investigate the reason for the earlier severe error. See message DFHAP0002 for further guidance. Restart the transaction manually if necessary.

Destination: Console and Transient Data Queue CSMT

Module: DFHICXM

XMEOUT Parameters: *date*, *time*, *applid*, *userid*, *tranid*, X'safresp', X'esmresp', X'esmreas'

---

DFHIC0310 *date time applid* Unable to attach transaction - *tranid* to terminal - *termid*

Explanation: An attempt was made to start transaction *tranid* on terminal *termid* as a result of:

- a START command, or
- a DFHIC TYPE=PUT macro, or
- a DFHIC TYPE=INITIATE macro.

The attempt was rejected. The most likely cause is that, at the time the attempt was made, the terminal was unknown in the system.

This message is also issued when:

- A START command is issued in an application owning region (AOR) for a terminal that exists as a remote terminal entry in the AOR, but the destination system ID associated with the remote terminal has not been defined.
- A START command is issued against a pipeline device, or other device which is not eligible for ATI requests.

System Action: The request is deleted from the system.

User Response: Ensure that a valid terminal name is being specified. If the name is valid, examine the trace (if one is available) to determine why the attempt was rejected.

Destination: Console

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Module: DFHICP

XMEOUT Parameters: *date*, *time*, *applid*, *tranid*, *termid*

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DFHIC0360 *date time applid* An attempt to establish security for *userid* *userid* has failed. Transaction *tranid* cannot be started without a terminal. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

Explanation: An attempt was made to establish security for userid *userid* but it was rejected by the external security manager (ESM).

A time ordered request, such as an EXEC CICS START command, required security to be established for the userid in order to start the transaction *tranid* without a terminal.

System Action: Security has not been established for the userid. The attempt to start the transaction has failed.

User Response: The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide, and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Destination: CICS

Module: DFHICXM

XMEOUT Parameters: *date*, *time*, *applid*, *userid*, *tranid*, X'safresp', X'esmresp', X'esmreas'

---

DFHIC0801 *applid* CICS time altered from *hh.mm.sss* to *hh.mm.sss* - *date* *ddddd* - relative day *rrr*

Explanation: This console message is printed when the operating system-maintained time of day has been rolled back (for example, when the operating system clock is reset to zero at midnight).

Where:

- *hh.mm.sss* is the time in hours minutes and tenths of a second
- *ddddd* is the current date in the format specified by the DATFORM parameter in the system initialization table
- *rrr* is the day number relative to the day CICS was started.

System Action: CICS has recognized the condition and adjusted its own time of day to agree with that of the operating system.

User Response: None

Destination: Console

Module: DFHTAJP

XMEOUT Parameters: *applid*, *hh.mm.sss*, *hh.mm.sss*, *ddddd*, *rrr*

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DFHIC0802 *applid* S/370 clock inoperative ... external action required

Explanation: CICS execution is dependent on the continued operation of the processor time-of-day clock. This warning message is sent to the console operator during the execution of the time adjustment program if the system detects a processor clock failure at that time. Immediate corrective action (if possible) must be taken by the console operator, if the clock has been disabled for any reason.
DFHINxxxx (Indoubt testing tool) messages

DFHIN1001  
**Explanation:** The indoubt tool is active and causes all units of work (UOWs) running under transactions defined to be in transaction class DFHTCIND to fail indoubt when they reach syncpoint.

A unit of work that fails indoubt is either shunted by the recovery manager domain or is unilaterally committed or unilaterally backed out by recovery manager. A unit of work is shunted if the transaction definition under which it is running specifies WAIT(yes) as an indoubt option, and the unit of work has not accessed any resources that force a unilateral decision to be taken.

**System Action:** CICS processing continues with the indoubt tool active.

**User Response:** None.

**Destination:** CSMT and Terminal End User

**Module:** DFHINDT

**XMEOUT Parameters:** date, time, applid, termid, userid

DFHIN1002  
**Explanation:** A CIND ON request was issued to activate the indoubt tool but CICS has detected that the indoubt tool is already active.

**System Action:** CICS processing continues with the indoubt tool active.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHINDT

DFHIN1003  
**Explanation:** A CIND INQUIRE request was issued to inquire on the status of the indoubt tool. CICS has detected that the indoubt tool is active.

**System Action:** CICS processing continues with the indoubt tool active.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHINDT

DFHIN1004  
**Explanation:** A CIND OFF request was issued to deactivate the indoubt tool. No more units of work (UOWs) running under transactions defined in tranclass DFHTCIND will fail indoubt when they reach syncpoint.

Existing transactions in the DFHTCIND tranclass that are currently running fail indoubt at syncpoint, but no new transactions in the DFHTCIND tranclass will fail indoubt.

**System Action:** CICS processing continues with the indoubt tool inactive.

**User Response:** None.

**Destination:** CSMT and Terminal End User

**Module:** DFHINDT

**XMEOUT Parameters:** date, time, applid, termid, userid

DFHIN1005  
**Explanation:** A CIND OFF request was issued to deactivate the indoubt tool but CICS has detected that the indoubt tool is already inactive.

**System Action:** CICS processing continues with the indoubt tool inactive.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHINDT

DFHIN1006  
**Explanation:** A CIND INQUIRE request was issued to inquire on the status of the indoubt tool. CICS has detected that the indoubt tool is inactive.

**System Action:** CICS processing continues with the indoubt tool inactive.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHINDT

DFHIN1007  
**Explanation:** A CIND RESYNC COMMIT or CIND RESYNC BACKOUT request was issued. The indoubt tool has successfully initiated resynchronization of all units of work (UOWs) currently awaiting resynchronization with coordinator DFHINDSP.

**System Action:** Shunted UOWs awaiting the return of coordinator DFHINDSP are unshunted by the recovery manager (RM) domain. All participants in the UOW are notified of the outcome of the unit of work. The outcome of the unit of work is defined by the user of CIND, for example, CIND RESYNC COMMIT tells the RM domain to unshunt the UOWs and commit them. Likewise, CIND RESYNC BACKOUT tells the RM domain to backout the UOWs. Message DFHIN1012 is issued to transient data for each UOW resynchronized.

For UOWs awaiting the return of coordinator DFHINDSP which were not shunted, that is, they abended before syncpoint, or a unilateral decision was taken, a CIND RESYNC command merely results in message DFHIN1012 being issued to transient data. DFHIN1012 reports on whether this CICS system and DFHINDSP are synchronized.
DFHIN1008
date, time, applid
Invalid CIND keyword. Specify one of the following: ON, OFF, INQUIRE, RESYNC COMMIT, or RESYNC BACKOUT.

Explanation: The CIND transaction was invoked with an invalid keyword.

System Action: CICS processing continues.

User Response: If the unit of work was abended, rolled back, or a unilateral decision was taken, recovery manager keeps the resolution of the unit of work pending the return of the coordinator DFHINDSP.

To synchronize the outcome of the UOW with coordinator DFHINDSP, issue a CIND RESYNC command.

Destination: CSMT
Module: DFHINDSP
XMEOUT Parameters: date, time, applid, X'uowid', tranid, taskno

DFHIN1009
date, time, applid
The indoubt tool has added coordinator link DFHINDSP to UOW X'uowid' for transaction tranid task number taskno.

Explanation: The indoubt tool task related user exit DFHINTRU, invoked when a transaction is first started, has detected that the transaction is part of transaction class DFHTCIND. Coordinator DFHINDSP has been added to unit of work (UOW) so that the transaction will fail indoubt when a syncpoint is issued.

System Action: The named transaction and UOW continue processing until it reaches syncpoint when it will fail indoubt.

User Response: None.

Destination: CSMT
Module: DFHINTRU
XMEOUT Parameters: date, time, applid, X'uowid', tranid, taskno

DFHIN1010
date, time, applid
Coordinator DFHINDSP is not available. The indoubt tool has caused RM domain to shunt UOW X'uowid' for transaction tranid task number taskno.

Explanation: The named UOW for the named transaction and task has failed indoubt during a syncpoint request due to the indoubt tool.

System Action: The recovery manager domain shunts the UOW, and then abends the transaction.

User Response: To initiate an unshunt of the UOW, issue a CIND RESYNC command.

Destination: CSMT
Module: DFHINDSP
XMEOUT Parameters: date, time, applid, X'uowid', tranid, taskno

DFHIN1011
date, time, applid
Coordinator DFHINDSP is not available, but UOW X'uowid' for transaction tranid task number taskno is not indoubt and has not been shunted.

Explanation: UOW X'uowid' for transaction tranid was not shunted, and is not indoubt despite being monitored by the indoubt tool. One of the following has occurred:

- The unit of work was rolled back.
- The unit of work failed indoubt at syncpoint time but the recovery manager domain was forced to take a unilateral decision instead of shunting the UOW.
- The unit of work failed indoubt at syncpoint time but the recovery manager domain detected that the unit of work was read-only, that is, no recoverable resources were updated, and therefore no shunting was required.

System Action: CICS processing continues.

User Response: Before initiating resynchronization, the indoubt tool needs to be activated via command CIND ON, and transactions in tranclass DFHTCIND run to create indoubt units of work.

To synchronize the outcome of the UOW with coordinator DFHINDSP, issue a CIND RESYNC command.

Destination: CSMT and Terminal End User
Module: DFHINDSP
XMEOUT Parameters: date, time, applid, termid, userid
DFHIN1014  date time applid The indoubt tool will not operate on transaction tranid task number taskno as it is an internal CICS system transaction.

Explanation: The indoubt tool task related user exit DFHINTRU, invoked when a transaction is first started, has detected that the transaction is part of transaction class DFHTCIND. However it has also detected that the transaction is an internal CICS system transaction. CIND cannot be used on internal CICS system transactions.

System Action: The named transaction and task continue processing and are not forced indoubt at syncpoint time.

User Response: None.

Destination: CSMT

Module: DFHINTRU

XMEOUT Parameters: date, time, applid, tranid, taskno

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DFHIN1015  date time applid The Indoubt tool has already previously resynchronized UOW X'uowid' for transaction tranid task number taskno. DFHINDSP coordinator UOW status is {commit. | backout.}

Recovery manager UOW status is {commit. | backout. | heuristic commit. | heuristic backout.}

Explanation: The named unit of work (UOW) for the named transaction and task has already been resynchronized as a result of a previous CIND RESYNC command. The message documents the UOW status as defined by the coordinator DFHINDSP, and the unit of work status held by the recovery manager domain.

No messages are issued by the recovery manager domain in this case and no resynchronization takes place. Processing of a previous CIND RESYNC command did not complete fully before CICS failed. In particular, 'forget processing' whereby CICS removes DFHINDSP as a coordinator of the unit of work did not complete. This caused CICS to recover the unit of work on restart with DFHINDSP as coordinator, causing it to be processed by the subsequent CIND RESYNC command.

System Action: CICS continues processing.

User Response: None.

Destination: CSMT

Module: DFHINDT

XMEOUT Parameters: date, time, applid, X'uowid', tranid, taskno, {1=commit., 2=backout., 3=heuristic commit., 4=heuristic backout.}

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DFHIRxxx messages

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DFHIR2122  date time applid Intersystem session recovery. Database changes found to be out of sync. Original failure details: Time=tmtime, Remote system=sysid, Intersystem terminal=termid, Transaction=tranid, Task number=taskno, Operator terminal=operid, Unit of work ID=uowid

Explanation: This message is issued as a follow-up to message DFHRM0107. The original failure information provides a cross-reference.

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHCRR

XMEOUT Parameters: date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid

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DFHIR2123  date time applid Intersystem session recovery. Data base changes found to be out of sync. Original failure details: Time=tmtime, Remote system=sysid, Intersystem terminal=termid, Transaction=tranid, Task number=taskno, Operator terminal=operid, Unit of work ID=uowid

Explanation: This message is issued as a follow-up to message DFHRM0107. The original failure information provides a cross-reference.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the local and remote databases.

Destination: CSMT

Module: DFHCRR

XMEOUT Parameters: date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid

---

DFHIR2124  date time applid Intersystem session recovery. Error when data base changes may be out of sync. Original failure details: Time=tmtime, Remote system=sysid, Intersystem terminal=termid, Transaction=tranid, Task number=taskno, Operator terminal=operid, Unit of work ID=uowid

Explanation: This message is issued as a follow-up to message DFHRM0107. During session recovery, the system was unable to determine whether database changes were out of synchronization.

System Action: Processing continues.

User Response: Make the necessary database enquiries to detect whether changes are synchronized. If they are not, take user-defined action to resynchronize the databases.

Destination: CSMT

Module: DFHCRR

XMEOUT Parameters: date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid

---

DFHIR2321  applid MRO/IRC Communication being Terminated. Session(s) with the following Netname(s) are still Active:

Explanation: CICS is attempting to close MRO/IRC communication. This message is normally followed by the netname of each session that is still active, and additionally for EXCI sessions, the jobname, stepname, procnname and MVS ID of the batch program communicating on that session.

For EXCI sessions, a netname of GENERIC indicates a generic pipe. For the batch job information to appear in the message, at least one DPL request must have been issued on that session.

Note: In some circumstances the message is not followed by any netnames. This can occur if CICS is using the cross-system
coupling facility (XCF) to communicate across CECs, and CICS is unable to deliver an earlier message to XCF because, for example, the XCF buffer is full.

**System Action:** CICS issues IRC STOP IMMEDIATE to force close the remaining session(s). This message is reissued at 30 second intervals, or until the last session is closed.

**User Response:** None, unless the delay in closedown appears abnormally long. If this is the case, investigate why the session(s) are still active. Take appropriate action to allow the session(s) to close. If no netnames are displayed, investigate why XCF is unable to accept a message from CICS.

**Destination:** Console

**Module:** DFHZDSP

**XMEOUT Parameter:** applid

---

**DFHIR3747** applid CONNECTION connid with protocol(EXCI) has been connected to by a NON-BATCH system. Connection set out of service.

**Explanation:** A CICS connection has been defined with the protocol EXCI and an attempt has been made to connect to it by a non-batch system.

There are two possible explanations for this message:

- The non-batch system is attempting to communicate with the wrong target connection definition.
- The target connection definition has incorrectly been defined as an EXCI connection.

**System Action:** CICS sets the connection out of service.

**User Response:** Investigate and correct the relevant connection definitions and set back in service.

**Destination:** Console

**Module:** DFHCRNP

**XMEOUT Parameter:** applid, connid

---

**DFHIR3748** date time applid Initial start of connected system sysid, netname protocol pppp was detected.

**Explanation:** A new logname was received during the MRO bind process from the connected system. This indicates that the connected system has restarted with a start type of INITIAL, since it last communicated with this CICS. If the message-issuing system has any resynchronization data relating to units of work from a previous usage of the connection, this data is kept but cannot be used by the system for automatic resynchronization.

**System Action:** New MRO work for the connection is not inhibited.

**User Response:** Examine the resynchronization information kept by the system from the previous usage of the connection using the EXEC CICS INQUIRE UWOWNLINK RESYNCSTATUS command (or the equivalent CEMT command) for the named connection in order to locate UWOWNLINK(s) with a RESYNCSTATUS of COLDSTART. You can use this information to resolve manually any indoubt units of work that existed on this system or the connected system. When the information is no longer of use, issue the EXEC CICS SET CONNECTION PENDSTATUS(NOTPENDING) command (or the CEMT equivalent) for the named connection to discard the resynchronization data relating to the previous usage.

**User Response:** If the session must be stopped, you may have to re-IPL. (To diagnose the underlying problem, contact your IBM Support Center.)

**Destination:** Console

**Module:** DFHSTP

**XMEOUT Parameter:** applid

---

**DFHIR3760** applid Unable to break lines with interregion communication. (Modname: modname)

**Explanation:** A request has been made to shut down the interregion session. This has caused module DFHZCX to issue a request to the interregion communication program to terminate the association between CICS and the interregion communication program, but the request failed because of a system error.

**System Action:** Any running batch (database sharing) programs are left in the wait state, and should be canceled. Any CICS tasks (in other CICS systems) that are in communication with this system are also left in the wait state. These other CICS systems should issue CEMT SET CONNECTION(sysid) OUTSERVICE PURGE, where sysid is the CONNECTION name of the system for which DFHIR3760 was issued. Also, any attempt to restart the interregion session (in the current or any subsequent CICS session) fails.

**User Response:** To run further batch CICS interregion communication, you must re-IPL. You will need further assistance to resolve the underlying problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFH2IS2, DFHSTP

**XMEOUT Parameter:** applid, modname
DFHIR3762  date time applid Inter-region activity now complete

Explanation:  A CEMT SET INTERREGION COMMUNICATION (IRC) CLOSED request was issued at the master terminal. The IRC session is now complete.

System Action:  Processing continues.
User Response:  None.
Destination:  CSMT
Module:  DFHCRNP
XMEOUT Parameters:  date, time, applid

DFHIR3765  UNABLE TO STOP INTERREGION COMMUNICATION SESSION AFTER SYSTEM ABEND.

Explanation:  A request has been received (by means of system termination, abnormal termination, or master terminal) to stop the interregion session. This request has failed.

System Action:  The session remains active.
User Response:  If the session must be stopped, you may have to re-IPL. You will need further assistance to resolve the underlying problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Note:  This message cannot be changed with the message editing utility.
Destination:  Console
Module:  DFHCRCP

DFHIR3767  applid The interregion startup program DFHCRSP is not present.

Explanation:  Module DFHCRSP is required to start an IRC session, but is missing from the CICS program library or has no installed program definition.

System Action:  The IRC session is not started.
User Response:  Install DFHCRSP definition (group DFHISC) and/or supply module DFHCRSP
Destination:  Console
Module:  DFHJS1
XMEOUT Parameter:  applid

DFHIR3771  applid Unable to start interregion communication because (E)STAE macro failed.

Explanation:  CICS issued an ESTAE macro that did not execute successfully, probably because storage for a ESTAE control block (SCB) was not available. For more information about the SCB, refer to the MVS/ESA System Programming Library: Application Development Guide.

System Action:  The IRC session is not started.
User Response:  Correct the cause of (E)STAE failure.
Destination:  Console
Module:  DFHJS1
XMEOUT Parameter:  applid

DFHIR3772  applid Error while attempting to start interregion communication.

Explanation:  CICS has evidence that the IRC session has already started. This is probably because the previous session could not be stopped (see messages DFHIR3760 and DFHIR3765).
Note:  The session, although apparently started, is not in a usable state.
System Action:  The IRC session is not started.
User Response:  Perform another IPL.
Destination:  Console
Module:  DFHJS1
XMEOUT Parameter:  applid

DFHIR3773  applid Unable to start interregion communication because the APPLID option has a blank value.

Explanation:  Either the default value of applid (on DFHTCT TYPE=INITIAL, DFHSIT, override) must be used, or a value which is not a null value must be used.
System Action:  The IRC session is not started.
User Response:  Correct the applid value.
Destination:  Console
Module:  DFHJS1
XMEOUT Parameter:  applid

DFHIR3775  applid Unable to start interregion communication because short on storage.

Explanation:  Main storage is required to start the IRC session, but the storage is not available.
System Action:  The IRC session is not started.
User Response:  Wait until the storage condition has eased, then issue CEMT SET IRC OPEN command at the master terminal.
Destination:  Console
Module:  DFHJS1
XMEOUT Parameter:  applid

DFHIR3776  applid Unable to start interregion communication because another CICS system of the same name is active.

Explanation:  A CICS system is named by its applid value. If two CICS systems have the same applid value, the interregion communication SVC cannot distinguish between the systems.
Note:  This situation may arise if a previous interregion communication (IRC) session could not be stopped; see message DFHIR3760. In this case, the IRC SVC would consider that the new session conflicted with the old (unstopable) session.
System Action:  The IRC session is not started.
User Response:  Use a different generic applid for each CICS system.
Destination:  Console
Module:  DFHJS1
XMEOUT Parameter:  applid
DFHIR3777  

**applid** The interregion communication table is full.

**Explanation:** The interregion communication SVC’s user table is full.

**System Action:** The IRC session is not started.

**User Response:** When there are fewer batch-sharing programs running, issue CEMT SET IRC OPEN at the master terminal.

A common cause of this error is that MAXGROUP is set too low in an XCF Sysplex environment. Check the value of MAXGROUP and, if necessary, raise it to suit your environment. For further information, see Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHSIJ1

**XMEOUT Parameter:** applid

DFHIR3778  

**applid** Insufficient storage is available for interregion communication blocks.

**Explanation:** There is insufficient key 0 storage for the IRC control blocks. Storage is required from the CICS region but from outside the CICS DSA.

**System Action:** The IRC session is not started.

**User Response:** Ensure that sufficient storage is available. See the CICS Performance Guide for further guidance on how to determine the CICS DSA size limits in relation to the REGION size.

**Destination:** Console

**Module:** DFHSIJ1

**XMEOUT Parameter:** applid

DFHIR3779  

**applid** Insufficient storage is available for interregion communication subsystem blocks.

**Explanation:** There is insufficient storage for the control blocks required by IRC. Storage is required from the CICS region but from outside the CICS DSA.

**System Action:** The IRC session is not started.

**User Response:** Ensure that sufficient storage is available. See the CICS Performance Guide for further guidance on how to determine the CICS DSA size limits in relation to the REGION size.

**Destination:** Console

**Module:** DFHSIJ1

**XMEOUT Parameter:** applid

DFHIR3780  

**applid** Unable to start interregion communication.

**Return code=** X’retcode’, **Reason code=** X’rsnrcode’.

**Explanation:** CICS attempted to establish itself as a user of the interregion communication (IRC) services, but the attempt failed.

**System Action:** The IRC session is not started.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** The return code (which might include an error qualifier) and reason code (if any) correspond to a number of possible errors. See Interregion Control Blocks (IRC) in the CICS Data Areas manual for a complete list of return codes, error qualifiers and reason codes. (The names of all the return codes, error qualifiers and reason codes start with IRERR, IREREQ and IRRSN respectively.) Check that the following requirements are satisfied:

- A copy of DFHIRP providing an adequate level of function is present in the link pack area (LPA).
- CICS has been defined as an operating system subsystem. The CICS Transaction Server for OS/390 Installation Guide explains how to define CICS as a subsystem.
- The XCF couple data sets have been formatted with enough XCF groups and members per group to satisfy the requirements of your installation.
- The userid of the CICS job is authorized to log on to the CICS interregion program (DFHIRP) using the generic applid specified.
- The CICS region has a unique generic applid within the MVS sysplex.
- The CICS DB2 attachment has not been initialized before the first start of IRC in a CICS system that is using both of the following:
  - Multiregion operation (MRO) or CICS shared database, where any of the installed MRO or CICS shared database resource definitions specify ACCESSMETHOD(XM)
  - The DB2 CICS attachment to run DB2 applications.

If the message is issued when all of these conditions have been met, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHSIJ1

**XMEOUT Parameter:** applid

DFHIR3781  

**applid** Unable to start interregion communication because task CSNC cannot be attached.

**Explanation:** Definitions for CSNC or DFHCRNP have not been installed, or DFHCRNP is missing from the CICS program library.

**System Action:** The IRC session is not started.

**User Response:** Make CSNC or DFHCRNP available.

**Destination:** Console

**Module:** DFHSIJ1

**XMEOUT Parameter:** applid

DFHIR3783  

**date time applid Transaction transid termid termid**  

**Connected transaction abended with message xxxx**

**Explanation:** Transaction transid was connected to a transaction in another CICS system, through an MRO link. This other transaction has abnormally terminated with the given message, causing the local transaction to abnormally terminate.

**System Action:** The transaction abnormally terminates.

**User Response:** Correct the cause of the abend in the connected transaction.

**Destination:** CSMT

**Module:** DFHZCX

**XMEOUT Parameters:** date, time, applid, transid, termid, xxxx
Chapter 1. DFH messages

DFHIR3784 applid A severe error (code X’code’) has occurred in module DFHCRR. Connection conname (if non-blank) has been set out of service.

Explanation: An error has been detected in module DFHCRR. The code X’code’ is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry is made in the trace table (X’code’ in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

The connection conname (if any) being processed at the time of error is set out of service, to prevent the error from recurring repeatedly.

CICS will continue unless you have specified in the dump table that CICS should terminate. Message DHFME0116 is normally produced containing the symptom string for this problem.

User Response: Find and fix the source of the error before setting the connection back in service.

Notify the system administrator. This failure indicates a serious error in CICS. If you have not requested termination in the dump table, you may want to terminate CICS. For further information about CICS exception trace entries, see the CICS Problem Determination Guide.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHCRR

XMEOUT Parameters: applid, X’retcode’, conname

DFHIR3785 applid Interregion control task CSNC abend. Interregion activity will be abnormally terminated.

Explanation: CSNC is abnormally terminated.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. CICS also abends all tasks in other CICS regions (including CICS shared data base batch regions) that are currently communicating with this system.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Following this abend it is not possible to use IRC within this CICS system. CICS must be restarted before IRC can be used.

Destination: Console

Module: DFHCRRNP

XMEOUT Parameter: applid

DFHIR3786 applid Unable to start interregion communication because module DFHSCTE could not be found.

Explanation: The IRC module DFHIRP attempted to load DFHSCTE, but the module was not in the LPA.

System Action: The interregion communication session is not started.

User Response: Ensure that DFHSCTE is available.

Destination: Console

Module: DFHSJ1

XMEOUT Parameter: applid

DFHIR3788 date time applid Unexpected failure (return code=X’retcode’, reason code=X‘rsncode’) trying to establish connection to system sysid

Explanation: A possible reason for this message is that the applid of the system on which the message appears does not match the NETNAME on any of the system entries defined in system sysid.

System Action: The connection is not established. Any existing connections are not affected.

Message DHFME0116 is normally produced containing the symptom string for this problem.

User Response: If an applid or a NETNAME mismatch has occurred, correct the error and retry.

If a mismatch is not the cause of the error, you may need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Module: DFHCRRNP

XMEOUT Parameters: date, time, applid, X’retcode’, X‘rsncode’, sysid

DFHIR3789 date time applid SEND/RECEIVE mismatch between TCT system entries for this system and system sysid

Explanation:

- The number of send sessions defined in this system’s TCT entry for system sysid does not equal the number of receive sessions defined in system sysid’s TCT entry for this system, or
- The number of receive sessions defined in this system’s TCT entry for system sysid does not equal the number of send sessions defined in system sysid’s TCT entry for this system.

System Action: As many sessions as possible are established. Alter one or both DFHTCT entries.

User Response: As many sessions as possible are established.

Destination: CSMT

Module: DFHCRRNP

XMEOUT Parameters: date, time, applid, sysid

DFHIR3790 date time applid Unable to connect to system sysid for security reasons

Explanation: The TYPE=SYSTEM entry in system sysid’s DFHTCT entry for this system contained a SECURITYNAME operand that did not match the real external security ID of this system, or the ID was unknown to IRC.

System Action: The connection is not established.

Message DHFME0116 is normally produced containing the symptom string for this problem.
DFHIR3791

**User Response:** Discuss with the system programmer responsible for system sysid.

**Destination:** CSMT

**Module:** DFHCRNP

**XMEOUT Parameters:** date, time, applid, sysid

---

**DFHIR3791** applid Unable to start interregion communication because ISC=NO has been specified.

**Explanation:** IRC facilities are not available because ISC=NO has been specified.

**System Action:** The interregion communication session is not started.

**User Response:** Run with a value other than NO in the ISC operand of DFHSIT or system initialization overrides.

**Destination:** Console

**Module:** DFHSIJ1

**XMEOUT Parameter:** applid

---

**DFHIR3793** applid Unable to start interregion communication because a severe error has occurred in the recovery manager.

**Explanation:** IRC facilities are not available because an internal request issued to recovery manager has failed.

**System Action:** The interregion communication session is not started.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHSIJ1

**XMEOUT Parameter:** applid

---

**DFHIR3794** date time applid Interregion usage of MVS CSA storage has reached nnnn bytes for this IPL

**Explanation:** The maximum number of MVS CSA bytes used so far in this IPL by the CICS interregion communication facility (for interregion buffers), is nnnn.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHZCX

**XMEOUT Parameters:** date, time, applid, nnnn

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**DFHIR3795** ABNORMAL TERMINATION - STATUS CODE DHxx

**Explanation:** The IMS high-level programming interface (HLPI) has found a condition caused by a programming error, or DL/I has returned a status code to HLPI that indicates an error. xx is the status code.

**System Action:** The batch program abnormally terminates with abend code 3795.

**User Response:** Correct the error and try again. See the IMS Application Programming: DL/I Calls or the Application Programming: EXEC DLI Commands for an explanation of the IMS status code.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHDRPF

---

**DFHIR3796** date time applid Transaction tranid termid termid - A connected transaction sent issue abend with following message: xxxxx

**Explanation:** Transaction tranid was connected to a transaction in another CICS system via an MRO link. The other transaction sent an ISSUE-ABEND flow with a message.

**System Action:** Processing continues.

**User Response:** Examine the information in the included message to determine the circumstances and what action to take.

**Destination:** CSMT

**Module:** DFHZIS1

**XMEOUT Parameters:** date, time, applid, tranid, termid, xxxxx

---

**DFHIR3798** applid IRC Not Started. Unable to load Interregion Communication Work Exit DFHIRW10.

**Explanation:** As part of interregion communication initialization, an attempt is made to establish an internal work exit mechanism. This attempt has failed.

The most likely reason for the failure is that the interregion communication work exit module, DFHIRW10, cannot be loaded. This module should appear in an APF authorized library in the STEPLIB concatenation for the CICS region, in the linklist, or in the LPA.

**System Action:** The attempt to initiate the interregion communication facility (via the IRCSTRT DFHSIT or override option or via the CEMT SET IRC OPEN command) fails. CICS continues.

**User Response:** Ensure that the interregion communication work exit module, DFHIRW10, is available to be loaded.

**Destination:** Console

**Module:** DFHSIJ1

**XMEOUT Parameter:** applid

---

**DFHIR3799** applid Unable to start interregion communication because DFHIRP services are down level.

**Explanation:** The version of DFHIRP being used is at a lower level than that of the caller wishing to make use of interregion communication.

**System Action:** The interregion communication session is not started.

**User Response:** If IRC is required, update the level of the DFHIRP module in the LPA such that it matches the level of the latest CICS version in use. If IRC is not required, run with system initialization override option IRCSTRT=NO.

**Destination:** Console

**Modules:** DFHSIJ1, DFHDRPF

**XMEOUT Parameter:** applid
Chapter 1. DFH messages

DFHJCxxxx messages

DFHJC4522 DDNAME ddname HAD A PERMANENT I/O ERROR.
Explanation: An unrecoverable I/O error occurred while the CICS journal print utility was processing the data set defined in the DD statement ddname.
System Action: If the error occurred on an output data set, and multiple output copies were specified, processing continues with the other copies. Otherwise, the journal print utility terminates abnormally.
User Response: If the error occurred on an output data set, and you wish to rerun, change the DD statement to refer to a different volume, and resubmit the job. Take the original volume offline for recovery, if possible.
If the error occurred on an input data set, to be able to recover you must have a backup copy of the defective volume. You can change the DD statement to refer to the backup volume, and rerun the job. If you have a backup copy of a defective disk, you can use IBM utilities to recover the disk by flagging the defective track and pointing to an alternate track.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHJUP

DFHJC4523 PROCESSING IS BEING TERMINATED FOR THIS OPTION.
Explanation: This is an inforrnatory message issued by the CICS journal print utility, when it completes processing for an OPTION card. The card referred to is the last OPTION card before this message on SYSPRINT.
System Action: The journal print utility continues processing with the next option.
User Response: If no other messages appear between the OPTION card and this message, the termination is normal. If other messages have been issued, check them to see if the termination is normal or abnormal. If abnormal termination has occurred, correct the errors notified in other message(s), and resubmit the job.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHJUP

DFHJC4524 INVALID CONTROL CARD FORMAT.
Explanation: The CICS journal print utility detected an error in an input CONTROL card. The card is displayed on SYSPRINT on the line before this message.
System Action: The journal print utility ignores the invalid card, and assumes standard defaults.
User Response: If the output of the run is not what you want, correct the invalid card and resubmit the job.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHJUP

DFHJC4525 INVALID CARD TYPE.
Explanation: The CICS journal print utility read an input card that did not contain one of the following strings starting in column 1: ‘CONTROL’, ‘OPTION’, ‘’, or ‘END’.
The invalid card is displayed on SYSPRINT in the line before this message.
System Action: The journal print utility ignores the invalid card and continues processing.
User Response: If the job fails or the output is not what you want, correct the invalid card and resubmit the job.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHJUP

DFHJC4526 INVALID OPTION CARD OR PRIOR ERROR.
Explanation: The CICS journal print utility detected an error in an OPTION card or ignored it because of a previous error. The card is displayed in the line before this message.
System Action: The journal print utility ignores the card and continues processing.
User Response: If the job fails or the output is not what you want, correct the error and resubmit the job.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHJUP

DFHJC4527 END OF JOB.
Explanation: This is an end-of-job information message issued by the CICS journal print utility when it terminates normally. Errors may have been detected but none was sufficient to cause abnormal termination.
System Action: The journal print utility terminates normally.
User Response: Check that all options completed normally. If not, submit another job for the options that you still need.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHJUP

DFHJC4528 NO OPTION CARDS SUPPLIED.
Explanation: The CICS journal print utility detected that, for one CONTROL card:
1. No OPTION cards were supplied OR
2. All the OPTION cards contained errors (notified in previous messages).
System Action: The journal print utility does no processing for the CONTROL card with no OPTION cards.
User Response: Supply correct OPTION cards for the options you want and resubmit the job.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHJUP
DFHJC4529 UNABLE TO OPEN INPUT FILE.

Explanation: The CICS journal print utility was unable to open the input data set associated with the CONTROL card displayed before this message.

System Action: The journal print utility continues processing with the next input card.

User Response: Check the JCL. For a data set without a standard label, check that the data set control block (DCB) parameters are supplied. If you find a JCL error, correct it and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHJUP

DFHJC4530 ELEMENT LIST ERROR.

Explanation: The CICS journal print utility detected an error while processing an input file.

System Action: The journal print utility terminates processing with the MVS user abend code 0185.

User Response: This is usually caused by a previous error, for which a message has been issued. If any previous error messages were displayed, make the necessary corrections and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHJUP

DFHJC4531 END OF FILE ON INPUT.

Explanation: The CICS journal print utility has reached EOF on the current input file.

System Action: The journal print utility completes processing for the CONTROL card preceding this message.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHJUP

DFHJC4532 OPTION COMPLETE.

Explanation: The CICS journal print utility has completed processing for the OPTION card preceding this message.

System Action: The journal print utility continues processing with the next OPTION card, if there are no further options before the END card, completes processing for the current control card.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHJUP

DFHJC4533 UNABLE TO OPEN OUTPUT FILE.

Explanation: The CICS journal print utility was unable to open the output data set associated with the last CONTROL card displayed on SYSPRINT before this message.

System Action: The journal print utility terminates processing for this CONTROL card, and continues processing with the next CONTROL card.

User Response: Check the JCL. For a data set without a standard label, check that the data set control block (DCB) parameters are supplied. If you find a JCL error, correct it and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHJUP

DFHJC4534 NO ELEMENT LIST ADDRESS.

Explanation: During CICS journal print utility processing, an error occurred in building the element list.

System Action: The journal print utility terminates processing for this element list, and terminates abnormally with the MVS user abend code, 0184.

User Response: This is an internal error in the journal print utility, DFHJUP. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHJUP

DFHJC4571 AN ERROR (CODE X'code') HAS OCCURRED IN THE USER EXIT PROGRAM.

Explanation: An error has been detected in the user exit program. The code code is the value returned in register 15 from the exit program to DFHJUP. The journal print utility terminates without processing any remaining OPTION cards.

User Response: Correct the error in the user exit program and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHJUP

DFHKCxxxx messages

DFHKC0102 date time applid terminal userid tranid PFT entry for profname has been added.

Explanation: This is an audit log message indicating that profile entry profname has been added to the PFT using the INSTALL command.

terminal is the netname or termid of the terminal at which the INSTALL command was entered.

userid is the user identifier of the operator performing the INSTALL command.
tranid is the transaction used to perform the INSTALL command.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHKCQ

XMEOUT Parameters: date, time, applid, terminal, userid, tranid, profname

DFHKC0104 date time applid terminal userid tranid PFT entry for profname has been deleted.

Explanation: This is an audit log message indicating that profile entry profname has been deleted from the CICS profile table (PFT) using the DISCARD command.

terminal is the netname or termid of the terminal at which the DISCARD command was entered.

userid is the user identifier of the operator performing the DISCARD command.

tranid is the transaction used to perform the DISCARD command.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHKCQ

XMEOUT Parameters: date, time, applid, terminal, userid, tranid, profname

DFHKC0106 date time applid terminal userid tranid PFT entry for profname has been replaced.

Explanation: This is an audit log message indicating that profile entry profname has been replaced in the CICS profile table PFT using the INSTALL command.

terminal is the netname or termid of the terminal at which the INSTALL command was entered.

userid is the user identifier of the operator performing the INSTALL command.

tranid is the transaction used to perform the INSTALL command.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHKCQ

XMEOUT Parameters: date, time, applid, terminal, userid, tranid, profname

DFHKC0301 applid Program DFHKCRP cannot be found.

Explanation: The transaction manager recovery program is not available. CICS cannot find DFHKCRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHKCRP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHKCQ

XMEOUT Parameter: applid

DFHKC0302 applid Transaction Manager restart failed. Reason - rc.

Explanation: During transaction manager initialization, CICS executes the following steps in the order in which they are listed:

1. Building the profile table (PFT) directory.
2. Purling profile definitions from the global catalog using the catalog domain.
3. Restoring profile definitions from the global catalog using the catalog domain.

The transaction manager restart has failed for reason rc, where rc indicates the job step that did not complete successfully. Subsequent steps have not been attempted.

System Action: CICS terminates the task under which DFHKCRP is running with an AKCB abend code, and issues message DFHSI1521.

User Response: Examine the trace in the CICS AKCB transaction dump to see the history of the task that DFHKCRP is running under for further information regarding the precise cause of the failure.

Destination: Console

Module: DFHKCRP

XMEOUT Parameters: applid, rc

DFHKC0308I applid ERROR OCCURRED IN SRB MODE.

Explanation: An error such as a program check was detected by the operating system during the execution of a unit of work scheduled by means of a service request block (SRB). The SRB was scheduled, directly or indirectly, by CICS in order to issue a VTAM authorized path request.

A message could not be issued because the error was detected when running under an SRB.

Diagnoses: The error is handled by a functional recovery routine (FRR) in DFHKCSP. This FRR saves the system diagnostic work area (SDWA) if one was provided, and issues a CALLRTM to terminate the CICS TCB with user abend code 0308.

This, in turn, causes the ESTAE exit established by DFHKESTX to be taken, resulting in the storing of the CICS TCB status and provision of a dump as for abends occurring during execution under the CICS TCB.

The SDWA saved by DFHKCSP may be located in the dump by:

Finding the module itself (look for characters ‘DFHKCSP’).

Finding the save area (look for characters ‘SRB SDWA SAVE AREA’); the SDWA follows this character string.

Analysis: The SDWA, located as described above, is a standard MVS SDWA. The principal contents of the SDWA are:

SDWAGRSV General registers 0 through 15

SDWAEC1 Program status word (PSW) at the time of the interrupt

In general, registers 12 and 13 will not address a TCA or the CSA. The registers and PSW recorded in DFHKESTX represent the state of the CICS TCB when CICS was terminated by the FRR. Normally this information is not relevant to the cause of the failure, but may give clues to the environment in which the SRB was running.

System Action: CICS is terminated with user abend code U0308. The system diagnostic work area (SDWA) presented at the time of
DFHKExxxx

error is copied into module DFHKCSP. DFHKCSP resides in protected storage and can be printed from an MVS region dump.

User Response: Locate the SDWA, situated in DFHKCSP after the characters “SRB SDWA WORK AREA.” This contains the PSW and registers at the time of the error.

If the address in SDWAEC1 is in CICS code, examine the code to determine the expected register contents at this point. If this does not suggest any obvious local problem, look for a pointer to the RPL associated with the SRB mode execution. This will indicate the location of the MVS save area.

If the address in SDWAEC1 is not in CICS code (that is in MVS), try using the contents of register 13 to trace back through the save areas to the one provided by CICS. The contents of this save area will show the point of call in CICS (in DFHZHPRX), and the arguments passed to the access method, in particular the address of the RPL (register 1). Failure in an access method may be due to an incorrect RPL. Therefore check the ACB address, entry point, and I/O area address.

Note: When CICS is executing in SRB mode, it is not possible for the message to be issued. However, user abend code 308 is generated and should appear in message DFHSR0606.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKCSP

DFHKExxxx messages

DFHKE0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in OS/390 MVS System Codes.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKETI

XMEOUT Parameters: applid, aaa/bbbb, X'offset', modname

DFHKE0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code is the exception trace point id which uniquely identifies what the error is and where the error was detected.

For further information about CICS exception trace entries, see the CICS Problem Determination Guide.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMMD). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHKEDD, DFHKEGD, DFHKETI

XMEOUT Parameters: applid, X'code', modname
Chapter 1. DFH messages

DFHKE0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHKEED, DFHKEDS, DFHKEGD, DFHKETI

XMEOUT Parameters: applid, X'offset', modname

DFHKE0006 applid Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

Explanation: An MVS GETMAIN was issued by module modname but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code mvscode is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: CICS will terminate with a system dump. An exception entry is made in the trace table (code code in the message).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.

Destination: Console

Modules: DFHKEIN

XMEOUT Parameters: applid, X'code', modname, mvscode

DFHKE0005 applid A hardware error has occurred (module modname, code X'code'). The MVS store clock was found inoperative.

Explanation: A hardware error has occurred during the running of module modname. The MVS store clock facility is the timing mechanism for the operating system.

The code code is the exception trace point ID which uniquely identifies the place where the error was detected.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS. This is probably a hardware error and you should first investigate the MVS store clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Module: DFHKETI

DFHKE0006 applid Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

Explanation: An MVS GETMAIN was issued by module modname but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code mvscode is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: CICS will terminate with a system dump. An exception entry is made in the trace table (code code in the message).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.

Destination: Console

Modules: DFHKEIN

XMEOUT Parameters: applid, X'code', modname, mvscode

DFHKE0101 applid DFHSIP is NOT APF-AUTHORIZED. CICS WILL TERMINATE.

Explanation: Part of CICS initialization must be done in an APF-authorized state. The kernel has detected that DFHSIP is not APF-authorized.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: CICS will terminate. The CICS job step terminates with return code 12.

User Response: All libraries concatenated in the STEPLIB concatenation should be APF-authorized, and DFHSIP should be link-edited with an authorization code of 1.

Note: This message cannot be changed with the message editing utility.
DFHKE0102

*Module: DFHKESIP*

**DFHKE0102 applid UNSUCCESSFUL PRE-INITIALIZATION OF domain Domain. CICS WILL TERMINATE.**

**Explanation:** A domain has failed to pre-initialize and as a result the system will terminate. During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

Since this problem has occurred so early in CICS initialization, possible causes include a severe lack of storage or corruption of the local catalog.

**System Action:** CICS terminates.

**User Response:** Inform the system programmer. If a dump is taken, investigate this problem using the exception trace which is issued by the failing domain.

You may need further assistance to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**DFHKE0103 applid IDENTIFY FAILED IN MODULE modname. MVS CODE mvscode. CICS WILL TERMINATE.**

**Explanation:** The kernel has issued an MVS IDENTIFY which has failed.

The code mvscode is the MVS IDENTIFY return code.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System Action:** CICS terminates. The CICS job step terminates with return code 12.

**User Response:** Inform the system programmer.

To resolve the problem, use the MVS IDENTIFY return code mvscode and the MVS/XA Supervisor Services and Macro Instructions manual, (SC28-1154), to determine why the IDENTIFY failed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHKETCB

**DFHKE0104 applid CICS HAS BEEN SUPPLIED WITH INCORRECT SVC NUMBER svcno.**

**Explanation:** CICS has validated the SVC number svcno, but it does not correspond to the correct CICS Type 3 SVC for this release of CICS. CICS cannot function without the correct CICS SVC.

The SVC number svcno has been specified in the SIT, or as an override, by the CICSSVCC= parameter.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System Action:** Control is returned to the parameter manager for interaction with the operator. Further action depends upon which PARMERR= parameter has been specified.

- If PARMERR=ABEND, CICS is terminated with a system dump.
- If PARMERR=IGNORE, CICS is terminated with a system dump.
- If PARMERR=INTERACT, the operator is prompted to enter another SVC number, or to bypass entry. If the operator bypasses entry, CICS is terminated with a system dump.

**User Response:** The CICS Type 3 SVC is defined to MVS in SYS1.PARMLIB member IEASVCxx. SVC svcno must be defined as a Type 3 SVC with an entry point equal to the entry point name specified when the SVC module was installed into SYS1.LPALIB. Ensure that this is the case.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHKEDD, DFHKEDS, DFHKEGD, DFHKAIN, DFHKESTX

**DFHKE0105 applid CICS INITIALIZATION IS NOT SUPPORTED ON THIS LEVEL OF OPERATING SYSTEM.**

**Explanation:** The kernel has detected that the release level of the operating system is earlier than the pre-requisite release level required to run CICS.

**System Action:** CICS will terminate. The CICS job step terminates with return code 12.

**User Response:** Refer to the CICS Program Directory and install the pre-requisite operating system release level or higher.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHKESIP

**DFHKE0201 applid ABOUT TO TAKE SDUMP. DUMPCODE: dumpcode, DUMPID: dumpid. (MODULE modname).**

**Explanation:** An error during pre-initialization or termination, possibly signalled by a previous message, has caused the kernel domain to take a dump, which will issue this message immediately before calling the MVS SDUMP facility.

The dump code dumpcode is the 8-character dump code 'KERNDUMP'.

The dumpid dumpid is the string '0/0000'.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System Action:** When the dump is complete, message number DFHKE0202 is issued.

**User Response:** Inform the system programmer. See the associated dump and error messages for further guidance.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Modules:** DFHKEDD, DFHKEDS, DFHKEGD, DFHKAIN, DFHKESTX
Chapter 1. DFH messages

DFHKE0201 applid SDUMP COMPLETE. (MODULE modname).

Explanation: This message is issued on successful completion of an SDUMP.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: CICS will terminate.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0208 applid SDUMP BUSY - CICS WILL RETRY IN FIVE SECONDS. (MODULE modname).

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. A nonzero value for the DURETRY parameter on the SIT means that CICS waits for five seconds before reissuing the SDUMP request.

System Action: CICS issues an MVS STIMERM macro which causes CICS to stop for five seconds. The request is reissued when the delay interval has expired. CICS delays and retries every five seconds for a total time equal to the number of seconds specified on the DURETRY system initialization parameter.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0209 applid RETRYING SDUMP. (MODULE modname).

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. CICS has waited for five seconds (as indicated by message DFHKE0208) and is now reissuing the SDUMP request.

System Action: CICS reissues the SDUMP request.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0210 applid SDUMP REQUEST FAILED. (MODULE modname) - reason.

Explanation: An MVS SDUMP request from CICS signalled by message DFHKE0201 has failed to complete successfully. The possible reasons reason for the failure are detailed below.

SDUMP RETURN CODE X'nn' ONLY PARTIAL DUMP
The SYS1.DUMP data set to which the dump was written was not large enough to contain all of the dumped storage.

SDUMP RETURN CODE X'nn' REASON X'mm' SDUMP BUSY
At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request.

STIMERM FAILED
In order to delay for five seconds before retrying SDUMP after an SDUMP busy condition, CICS issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

DFHDUSVC FESTAE FAILED
CICS issued an MVS FESTAE request from DFHDUSVC during the processing of the SDUMP request. The FESTAE has been rejected by MVS.

DFHDUSVC FUNCTION INVALID
CICS called DFHDUSVC during the processing of the SDUMP request. The function passed to DFHDUSVC was invalid.

During initialization, CICS does not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: CICS proceeds as if the dump had been successful.

User Response: The user response depends on the reason for the failure. For:

SDUMP RETURN CODE X'nn' ONLY PARTIAL DUMP
Examine the reason code that explains why the partial dump was taken. This code is contained in the MVS message IEA911E. See the OS/390 MVS System Messages, Volume 1 for a description of this reason code.

SDUMP RETURN CODE X'nn' REASON X'mm' SDUMP BUSY
Cause the SDUMP to be reissued by increasing the DURETRY value on the SIT. See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the SDUMP return code X'nn' and reason X'mm'.

SDUMP RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE
Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued. See the OS/390 MVS Programming:
DFHKE0301

Authorized Assembler Services Reference for an explanation of the SDUMP return code X'nnn' and reason X'mm'.

SDUMP RETURN CODE X'nnn' REASON X'mm'
No action is required if the dump was suppressed deliberately. If the dump failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the SDUMP return code X'nnn' and reason X'mm'.

NOT AUTHORIZED IN CICS
This reason should not appear, because an SDUMP is unconditionally authorized during CICS initialization, and should be authorized throughout the CICS run. If you do get this reason, the CICS AFCB (Authorized Function Control Block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE
Ensure sufficient storage is available to MVS for subpool 253 requests.

STIMERM FAILED
Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

DFHDUSVC FESTAE FAILED
Use MVS problem determination methods to fix the FESTAE failure and then cause the SDUMP to be reissued. See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the FESTAE macro.

DFHDUSVC FUNCTION INVALID
The CICS DAFPB (dump authorized function parameter block) has probably been accidentally overwritten.

Notify the system programmer. If CICS is still running, it will be necessary to decide whether to terminate CICS.

You may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

To resolve the problem, collect any dumps and any relevant messages and contact your IBM Support Center.

Further guidance on how to prepare information for IBM support is given in the CICS Problem Determination Guide. If you are not familiar with this process, refer to the guide before contacting IBM support.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0302 applid Freemain of stack storage failed in module modname. MVS code mvscode.

Explanation: The kernel (KE) domain has issued an MVS FREEMAIN for kernel stack storage, but a bad return code was returned.

The code mvscode is the MVS FREEMAIN return code.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: CICS terminates abnormally with a system dump. No exception entry is made in the trace table since a call to the trace (TR) domain would itself require kernel stack storage.

User Response: Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book. Also look at the kernel domain section of the system dump to see how the kernel stack storage has been used up.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHKESGM

DFHKE0303 applid A RECURSIVE ABEND HAS BEEN DETECTED BY THE KERNEL DOMAIN.

Explanation: The kernel (KE) domain has detected that the current task is recursively abending while attempting to recover from an abend.

System Action: CICS terminates abnormally with a system dump. No exception entry is written to the trace table because the trace (TR) domain may be the cause of the loop.

User Response: Use the dump provided to investigate the kernel error table to diagnose the earlier abends for the failing task.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHKERSG

DFHKE0301 applid Insufficient storage to satisfy Getmain in module modname. MVS code mvscode.

Explanation: The kernel (KE) domain has issued an MVS GETMAIN for kernel stack storage, but there was insufficient storage available to satisfy the request.

The code mvscode is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.
DFHKE0401  applid CICS REGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED (RETURN CODES X'resp', X'reason').

Explanation: An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed.

The codes resp, reason are the hexadecimal response and reason codes from ARM.

System Action: A system dump is taken.

CICS continues, but cannot subsequently be restarted by ARM.

User Response: It is necessary to decide whether to terminate CICS.

For problem diagnosis look up the return codes from the IXCARM macro in the OS/390 MVS Sysplex Services Reference manual.

Further information about how to use ARM can also be found in OS/390 MVS Setting Up a Sysplex.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHKEAR

DFHKE0402  applid CICS DEREGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED (RETURN CODES X'resp', X'reason').

Explanation: An attempt to invoke a DEREGISTER request against the MVS automatic restart manager (ARM) failed.

The codes resp, reason are the hexadecimal response and reason codes from ARM.

System Action: If the request failed during startup, a dump is taken and CICS continues.

If the request failed during shutdown, an exception entry is made in the trace table, and a system dump is taken unless you have specifically suppressed dumps in the dump table. CICS continues to shut down unless you have specified in the dump table that CICS should terminate. The DEREGISTER failed so a subsequent failure of CICS or an IMMEDIATE shutdown may result in ARM restarting CICS.

User Response: For problem diagnosis look up the return codes from the IXCARM macro in the OS/390 MVS Sysplex Services Reference manual.

Further information about how to use ARM can also be found in the MVS/ESA Setting Up a Sysplex manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHKEAR
XMEOUT Parameters: applid, X'resp', X'reason'

DFHKE0403  applid CICS WAITPRED call to automatic restart manager failed (return codes X'resp', X'reason').

Explanation: An attempt to invoke a WAITPRED request against the MVS automatic restart manager (ARM) failed.

The codes resp, reason are the hexadecimal response and reason codes from ARM.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. The failure of the WAITPRED request may result in other subsystems not being available when CICS initialization completes.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

For problem diagnosis look up the return codes from the IXCARM macro in the OS/390 MVS Sysplex Services Reference manual.

Further information about how to use ARM can also be found in the MVS/ESA Setting Up a Sysplex manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHKEAR
XMEOUT Parameters: applid, X'resp', X'reason'

DFHKE0404  applid CICS READY call to automatic restart manager failed (return codes X'resp', X'reason').

Explanation: An attempt to invoke a READY request against the MVS automatic restart manager (ARM) failed.

The codes resp, reason are the hexadecimal response and reason codes from ARM.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. Other subsystems which are waiting for CICS are not be informed that CICS is ready for work and continue to wait until timed out.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

For problem diagnosis look up the return codes from the IXCARM macro in the OS/390 MVS Sysplex Services Reference manual.

Further information about how to use ARM can also be found in the MVS/ESA Setting Up a Sysplex manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHKEAR
XMEOUT Parameters: applid, X'resp', X'reason'
DFHKE0405 applid CICS WAITPRED call to automatic restart manager timed out (return codes 'X'resp', X'reason').

**Explanation:** A WAITPRED request against the MVS automatic restart manager (ARM) timed out.

The codes resp, reason are the hexadecimal response and reason codes from ARM.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. The WAITPRED request time out may result in other subsystems not being available when CICS initialization completes.

**User Response:** If CICS is still running, it is necessary to decide whether to terminate CICS.

For problem diagnosis look up the return codes from the IXCARM macro in the OS/390 MVS Sysplex Services Reference manual.

Further information about how to use ARM can also be found in the MVS/ESA Setting Up a Sysplex manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHKEAR

**XMEOUT Parameters:** applid, X'resp', X'reason'

---

DFHKE0406I applid CICS is about to wait for predecessors defined in the MVS automatic restart management policy for this region.

**Explanation:** CICS is about to invoke a WAITPRED request against the automatic restart manager. This may result in a delay before CICS processing continues.

**System Action:** CICS continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHKEAR

**XMEOUT Parameter:** applid

---

DFHKE0407 applid XRF IS INCOMPATIBLE WITH AUTOMATIC RESTART MANAGER. CICS IS TERMINATING.

**Explanation:** CICS has registered with the MVS automatic restart manager (ARM) after having been restarted but the restart JCL specifies XRF=YES. XRF is incompatible with ARM.

**System Action:** CICS terminates.

**User Response:** Ensure that the XRF=YES option in the restart JCL is correct.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHKEAR

---

DFHKE0408D applid PLEASE SPECIFY START TYPE, 'ASIS' OR 'AUTO'.

**Explanation:** An attempt to REGISTER with the MVS automatic restart manager (ARM) has failed when a cold or initial start has been specified in the SIT.

When the CICS region has been restarted with JCL that specifies START=COLD or START=INITIAL, CICS relies on ARM to determine whether to override the start type and change it to AUTO. As the REGISTER has failed, CICS cannot determine whether the region is being restarted by ARM, and so does not know whether to override the start type.

**System Action:** CICS waits until the operator supplies the START type to be used by this region.

**User Response:** If the region is being restarted by ARM, specify AUTO. If the startup type of COLD or INITIAL in the SIT should be preserved, specify ASIS.

See the previously issued message DFHKE0401 for guidance on dealing with the underlying REGISTER failure.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console Routecodes 1 and 11

**Module:** DFHKEAR

---

DFHKE0410 applid CICS REGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED BECAUSE THE JOB TYPE IS INVALID.

**Explanation:** An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed because the job type is invalid to ARM. CICS can only register with ARM if it is being run as a started task or a batch job.

**System Action:** CICS continues, but cannot subsequently be restarted by ARM.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHKEAR

---

DFHKE0411 applid CICS REGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED BECAUSE MAXIMUM NUMBER OF USERS WAS REACHED.

**Explanation:** An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed because the maximum number of ARM users allowed for in the ARM couple data set has been reached. This response is never given by ARM if ARM is restarting CICS.

**System Action:** CICS continues, but cannot subsequently be restarted by ARM.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHKEAR

---

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DFHKE0412I applid CICS WAITPRED call to automatic restart manager has completed.

Explanation: A WAITPRED request against the MVS automatic restart manager (ARM) has completed.

Further information about how to use ARM can also be found in the MVS/ESA Setting Up a Sysplex manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHKEAR

XMEOUT Parameter: applid

---

DFHKE0413 applid CICS REGISTER CALL FAILURE IN MODULE DFHKESTX (RETURN CODE X'resp').

Explanation: An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed in module DFHKESTX.

The code resp is the hexadecimal response from DFHKESTX and its meanings are:

- 08 - The requested function is not supported.
- 0C - The getmain for the dynamic storage failed.
- 10 - Unable to establish the recovery routine.
- 14 - The DFHAUTH CHECK failed.

System Action:
CICS continues, but cannot subsequently be restarted by ARM.

User Response:
It is necessary to decide whether to terminate CICS.

Further information about how to use ARM can also be found in OS/390 MVS Setting Up a Sysplex.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEAR

---

DFHKE0999 applid MVS HAS CALLED DFHKESTX WITH NO SDWA. ABEND CODE X'code'.

Explanation: MVS has made a call to the CICS ESTAE-type recovery routine DFHKESTX, but it supplied no system diagnostic work area (SDWA). DFHKESTX is unable to continue with the recovery.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: Module DFHKESTX produces a system dump and percolates the error to the next ESTAE routine. This is potentially a serious error. CICS continues processing pending the result of the error percolation.

User Response: The abend code X’code’ is the reason the CICS ESTAE was called. You need to find out which product has produced the abend. Typically it is an MVS system completion code, for example D37. However the abend may have been issued by CICS, for example abend 1596, or another product such as IMS.

Since there is little further diagnostic information in this case, look for any messages that may indicate the reason for the abend. The entry in the appropriate manual for the abend code gives user guidance regarding the error, and may also give some guidance concerning the appropriate user response.

The reason why no SDWA was passed and subsequently no recovery was attempted is probably a shortage of storage. This storage shortage may also be an influencing factor in the abend itself.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEAR

---

DFHKE1799 applid TERMINATION OF CICS IS COMPLETE.

Explanation: This message is issued when CICS has terminated.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: Control is given back to the operating system.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKESTX

---

DFHKE1800 applid ABNORMAL TERMINATION OF CICS IS COMPLETE.

Explanation: CICS issues this message when it terminates abnormally.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: The abnormal termination of CICS continues. The kernel returns control to the operating system by issuing a user 1800 abend.

The original error which caused the abnormal termination may also have produced a dump. No specific dump is produced to accompany this message.

User Response: If a dump is produced, check the dump to determine the cause of the error. Use the CICS Problem Determination Guide to assist you to determine the problem.

If no dump is produced, check for other CICS and MVS messages and abend codes to help you to determine the cause of the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEAR
DFHLxxxx messages

DFHLD0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An unexpected program check or abend occurred with abend code aaa/bbbb.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This may have been caused by corruption of CICS code or control blocks.

System Action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHLDDM, DFHLDDMI, DFHLDDL, DFHLDDL1, DFHLDDL2, DFHLDDL3, DFHLDNT, DFHLDST

XMEOUT Parameters: applid, aaa/bbbb, X'offset', modname

DFHLD0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: The loader has received an unexpected error response from some other part of CICS or an operating system service. The operation requested by the loader is described by code X'code'.

For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System Action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the problem as follows:

1. Determine if the problem can be explained by any previous messages output from some other part of CICS.
2. Examine the symptom string.
3. Examine the dump.

Destination: Console

Modules: DFHLDDM, DFHLDDMI, DFHLDDL, DFHLDDL1, DFHLDDL2, DFHLDDL3, DFHLDNT, DFHLDST

XMEOUT Parameters: applid, X'code', modname

DFHLD0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: CICS has detected what it believes to be a code execution loop. At the time execution was interrupted, the program status word (PSW) indicated the next instruction address would have been at offset X'offset' in module modname.

System Action: CICS is terminated with a system dump unless dump table options specifically prevent this.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the existence of a previous error situation which may have led to corruption of CICS control blocks or to the non-completion of an expected event. If there is no evidence of a previous error, you will need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHLDDM, DFHLDDMI, DFHLDDL, DFHLDDL1, DFHLDDL2, DFHLDDL3, DFHLDNT, DFHLDST

XMEOUT Parameters: applid, X'offset', modname

DFHLD0101I applid CICS nucleus module modname not found.

Explanation: The CICS loader (LD) was unable to locate a copy of module modname in either the link pack area (LPA) in or the DFHRPL library concatenation.

System Action: A system dump is taken and CICS execution continues unless specifically inhibited by a dump table entry.

User Response: This message is followed by one or more messages informing the user of reduced function availability due to the missing module modname.

Ensure that there is a copy of module modname in the LPA and/or in a library within the DFHRPL concatenation. If module was expected to be in the LPA, ensure CICS is utilizing LPA resident modules by specifying LPA=YES as a start up override.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameters: applid, modname

DFHLD0102 applid Unable to declare gate ff for module modname.

Explanation: As part of its initialization, the CICS loader has attempted to define domain gate ff for module modname, but has received a bad response.

System Action: A system dump is taken and CICS execution continues unless specifically inhibited by a dump table entry.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This message diagnoses an internal error within CICS. Investigate whether previous errors have left CICS in a damaged state. If there is no evidence of previous serious errors, you will need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHLDDMI
DFHLD0103I applid Module Storage Compression OFF. All modules are USAGE=TRANSIENT.

**Explanation:** This message is normally preceded by either message DFHLD0101 or DFHLD0102 and indicates that the loader (LD) domain was unable to initialize its dynamic program storage compression facility.

**System Action:** CICS execution continues but all nonresident application programs are treated as if they had been defined with the USAGE=TRANSIENT option. Therefore they are removed from storage the moment their use count reaches zero.

For some functions, this can lead to a performance degradation as programs may be loaded many times during the life of a transaction instead of only once.

**User Response:** Investigate the reasons for the previous problem concerning module DFHLDNT as diagnosed by either message DFHLD0101 or DFHLD0102.

**Destination:** Console

**Module:** DFHLDDMI

**XMEOUT Parameter:** applid

---

DFHLD0104I applid Module Statistics are not being collected.

**Explanation:** This message is normally preceded by either message DFHLD0101 or DFHLD0102 and indicates that the loader (LD) domain was unable to initialize its statistics collection module.

**System Action:** CICS execution continues but no module statistics will be collected.

**User Response:** Investigate the reasons for the previous problem concerning module DFHLDDST as diagnosed by either message DFHLD0101 or DFHLD0102.

**Destination:** Console

**Module:** DFHLDDMI

**XMEOUT Parameter:** applid

---

DFHLD0105 applid Restart of Loader Option Block (LOB) failed. System defaults in use.

**Explanation:** The initialization of the CICS loader has detected one or more invalid parameters in the loader option block (LOB) recovered from the local catalog.

This may indicate that corruption of the local catalog has occurred.

**System Action:** A system dump is taken and CICS execution continues unless specifically inhibited by a dump table option.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Investigate the possibility of corruption of the local catalog. If you suspect that the local catalog is corrupt, reinitialize it and resubmit the CICS job.

**Destination:** Console

**Module:** DFHLDDM

**XMEOUT Parameter:** applid

---

DFHLD0106 applid Bad response X'resp' returned on an OPEN of DFHRPL.

**Explanation:** The CICS loader has attempted to open the DFHRPL library concatenation during initialization and has received the response code resp.

**System Action:** CICS execution continues although only link pack area (LPA) resident modules are accessible.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Ensure the DFHRPL concatenation is correctly specified in the JCL and that the libraries specified in it are operational. The response code returned may be interpreted as for a BSAM open request.

**Destination:** Console

**Module:** DFHLDDM

**XMEOUT Parameters:** applid, X'resp'

---

DFHLD0107I applid modname1 is unable to locate module modname2 in the LPA. DFHRPL version of module will be used.

**Explanation:** The user has specified the system initialization parameter LPA=YES. Module modname2 is either defined as USELPACOPY=YES via RDO or is a CICS PCLASS=SYSTEM module. CICS has been unable to find modname2 in the link pack area (LPA).

**System Action:** CICS execution continues with an attempt to locate module modname2 in the CICS program library DFHRPL.

**User Response:** carry out one of the following:

- Load module modname2 into the LPA, if this is required and the module is LPA eligible (refer to the CICS Transaction Server for OS/390 Installation Guide for LPA eligibility of CICS modules).
- Code PRVMOD=modname2 as a SIT option which ensures that CICS will not search the LPA for that module.
- Code LPA=NO as a system initialization parameter. This ensures that CICS does not search the LPA for any module.
- Inhibit this message from all or selected consoles using the MVS VARY command. For more information on how to do this, refer to the CICS Transaction Server for OS/390 Installation Guide.

**Destination:** Console Routecode 11

**Modules:** DFHLDDMI, DFHLDDL1

**XMEOUT Parameters:** applid, modname1, modname2

---

DFHLD0108I applid The maximum of 32767 entries that CICS allows on a BLDL has been exceeded.

**Explanation:** During a warm or emergency restart, the loader domain has detected more than 32767 entries that CICS allows on a BLDL.

**System Action:** A BLDL macro call is issued to locate the first 32767 modules and the rest are ignored. CICS initialization continues normally.

This is not a problem because CICS attempts to locate those modules not located during initialization when the module is first used.

**User Response:** None.
DFHLDDMI

**Destination:** Console

**Module:** DFHLDDMI

XMEOUT Parameter: applid

---

DFHLDD0201  applid Corrupt Loader load structure detected at X’address’. Module marked as unavailable.

**Explanation:** During the execution of a CICS loader request, the loader detected an invalid field in the control block type tttt at storage address address.

**System Action:** A system dump is taken and execution continues unless specifically inhibited by a dump table option. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Investigate the possibility of corruption of CICS modules or control blocks or the local or global catalogs.

**Destination:** Console

**Module:** DFHLDLD1

XMEOUT Parameters: applid, load, X’address’

---

DFHLDD0202  applid Loader SVC svc request failed due to shortage of free storage in the region.

**Explanation:** The loader domain has issued a request to its CICS SVC service routine, DFHLDSCVC, but the execution of this request failed due to a lack of free storage in the MVS region. The type of request is indicated by svc.

**System Action:** A system dump will be taken unless specifically suppressed through a dump table entry and the system will continue execution. The task requesting loader services will be abnormally terminated with abend code APCT, or a PGMDERR condition will be raised.

**User Response:** Ensure there is adequate free storage in the MVS region by balancing the overall size limits of the DSAs or EDSAs with the size of the MVS region specified by the REGION parameter on the job card of the CICS job JCL.

**Destination:** Console

**Module:** DFHLDLD1

XMEOUT Parameters: applid, svc

---

DFHLDD0203  applid Loader SVC svc request failed due to I/O errors on library DFHRL.

**Explanation:** The loader domain has issued a request to its CICS SVC service routine, DFHLDSCVC, but the execution of this request failed due to I/O errors on the relocatable library, DFHRL. The type of request is indicated by svc.

**System Action:** A system dump is taken unless specifically suppressed through a dump table entry and the system continues execution. The task requesting loader services is abnormally terminated with abend code APCT, or a PGMDERR condition is raised.

**User Response:** Investigate the possible causes of the I/O errors encountered. The MVS system console log may contain more information about the problem in the form of access method or I/O subsystem messages. The loader domain exception trace entries, from the full trace, in the system dump normally identify the module or modules for which the I/O error occurred.

A possible cause of this problem is the compression of a partition data set (PDS) within the DFHRL concatenation.

**Destination:** Console

**Module:** DFHLDLD1

XMEOUT Parameters: applid, svc

---

DFHLDD0204  applid Bad Loader PDB for module modname recovered from the [Local / Global] catalog. Corruption suspected.

**Explanation:** The loader definition record, PDB, for module modname has been read from either the local (DFHLCD) or the global (DFHGCD) catalog during startup and has been found to contain invalid data.

**System Action:** System initialization terminates with a system dump, unless the dump is specifically suppressed. If the system dump is suppressed, the module definition is ignored. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Ensure the specified catalog data set has not been corrupted and is available to the CICS job.

**Destination:** Console

**Modules:** DFHLDMM1, DFHLDLD

XMEOUT Parameters: applid, modname, {1=Local, 2=Global}

---

DFHLGxxxx messages

DFHLG0001  applid An abend (code aaa/bbbb) has occurred at offset X’offset’ in module modname.

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code: 1310 refers to message DFHTS1310).

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.
If module modname is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If you cannot continue without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHLGDM, DFHLGGL, DFHLGLD, DFHLGJN, DFHLGST, DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

**XMEOUT Parameters:** applid, aaa/bbbb, X’offset’, modname

---

**DFHLG0002** applid A severe error (code X’code’) has occurred in module modname.

**Explanation:** An error has been detected in module modname. The code X’code’ is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System Action:** An exception entry (code X’code’ in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.**

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently, but you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHLGGLB

**XMEOUT Parameters:** applid, X’offset’, modname

---

**DFHLG0101 applid Log manager domain initialization has started.**

**Explanation:** This is an informational message indicating the start of log manager domain initialization.

**System Action:** Initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Destination:** Console

**Module:** DFHLGDM

**XMEOUT Parameter:** applid

---

**DFHLG0102 applid Log manager domain initialization has ended.**

**Explanation:** This is an informational message indicating the end of log manager domain initialization.

**System Action:** Initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Destination:** Console

**Module:** DFHLGDM

**XMEOUT Parameter:** applid
**DFHLG0103I** applid System log (journalname) initialization has started.

**Explanation:** This is an informational message indicating the start of system log initialization for the specified journal (either DFHLOG or DFHSHUNT).

**System Action:** Initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGGLVL=0.

**Destination:** Console

**Module:** DFHL2SLN

**XMEOUT Parameters:** applid, journalname

---

**DFHLG0104I** applid System log (journalname) initialization has ended. Log stream logstreamname is connected to structure structurename.

**Explanation:** This is an informational message indicating the end of system log initialization for the specified journal (either DFHLOG or DFHSHUNT).

The name shown as LOGSTREAMNAME(logstreamname) in the message is the name of the log stream associated with this journal. A value of "***************" implies that it is a dummy log.

The name shown as STRUCTNAME(structname) in the message is the structure name of the log stream associated with this journal. A value of "***************" implies that it has no related structure, which means that either the log stream is a dummy log or of type DASDONLY(YES).

**System Action:** Initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGGLVL=0.

**Destination:** Console

**Module:** DFHL2SLN

**XMEOUT Parameters:** applid, journalname, logstreamname, structurename

---

**DFHLG0191** subsys-name [CONVERTER I ALLOCATION] VERIFICATION HAS FAILED BECAUSE OF A [SEVERE ERROR I SYNTAX ERROR I MUTUAL EXCLUSION FAILURE]

**Explanation:** A parse error was encountered while CICS was verifying the SUBSYS options of the application's JCL DD statement.

The message includes the following inserts:

- `subsys-name` - the installation defined subsystem name for the system logger.
- `CONVERTER` - the error was detected during MVS JCL conversion.
- `ALLOCATION` - the error was detected during MVS allocation processing.
- `SEVERE ERROR` - the parser encountered a severe error during its processing.
- `SYNTAX ERROR` - the statement failed the syntax check. MVS message ASA104I is issued specifying the keyword in error and acceptable keywords.

- `MUTUAL EXCLUSION FAILURE` - the parser encountered mutually exclusive keywords. MVS message ASA103I is issued specifying the keywords in error.

**System Action:** If the error was detected during MVS JCL conversion, the job is not executed because of the JCL error. If the error was detected during MVS allocation processing, the allocation request is rejected.

**User Response:** Correct the SUBSYS= specification and resubmit the job.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Modules:** DFHLGIPI, DFHLGIMS

---

**DFHLG0192** ERROR IN MVS LOGGER MACRO macro_name FOR REQUEST request_type. MVS LOGGER CODES 'X'return-code' 'X'reason-code'

**Explanation:** The CICS subsystem exit made a call to the MVS logger to access a log. This message gives the return code and reason code for that operation. Usually this message is issued only when the return code indicates an error in the MVS logger macro.

The message includes the following inserts:

- `macro_name` MVS logger macro
- `request_type` MVS logger macro REQUEST parameter
- `return-code` MVS logger macro return code
- `reason-code` MVS logger macro reason code.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

**System Action:** The subsystem exit terminates the logstream read, and passes a return code back to the caller.

This message is followed by message DFHLG0193 which specifies the logstream. In some cases a dump is also produced.

**User Response:** Use the MVS logger return and reason codes to diagnose the problem. If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Modules:** DFHLGSSI, DFHLGIGT

---

**DFHLG0193** log-stream-name

**Explanation:** This message gives the logstream referred to in the preceding DFHLG0192 message.

**System Action:** See message DFHLG0192.

**User Response:** See message DFHLG0192.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Modules:** DFHLGSSI, DFHLGIGT
DFHLG0194  ERROR DETECTED BY CICS SUBSYSTEM.

date-time applid

Explanation:  The CICS subsystem exit detected an unexpected error.  The error is described by the error-description and optional hex data fields.

In some cases a dump is also produced.

System Action:  The subsystem exit terminates the logstream read, and passes a return code back to the caller.  If DELETE was specified as an option on the SUBSYS keyword then it will be ignored.

User Response:  Use the error-description to identify the cause of the error.  A possible cause is an invalid logstream or invalid entries within a valid logstream; the CICS logger and DFHJUP work only with CICS logstreams containing CICS records for the appropriate release.

If you cannot resolve the problem or the problem recurs, there may be a more severe error.  In this case, you will need assistance from IBM.  See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note:  This message cannot be changed with the message editing utility.

Destination:  Console

Modules:  DFHLGSSI, DFHLGIGT

---

DFHLG0301  date-time applid  An error has been detected for log stream stream for journal name journalname.  The journal status has been set to FAILED.

Explanation:  An error has been detected for log stream stream which is used by journal journalname.

System Action:  An exception entry is made in the trace table.  CICS marks the journal as failed.  Applications which attempt to use the journal receive an IOERROR response and may terminate abnormally.

User Response:  Notify the system programmer.  If CICS is still running, it is necessary to decide whether to terminate CICS.

See the associated messages issued by CICS or the MVS system logger for more information and for guidance about appropriate recovery actions.

If journal journalname is not crucial to the running of your CICS system, you may decide to continue.

If the problem with the log stream can be resolved, use of the journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS command.

If you cannot continue without the full use of journal journalname you should bring CICS down in a controlled shutdown.

Destination:  CSMT

Module:  DFHLGJN

XMEOUT Parameters:  date, time, applid, stream, journalname

---

DFHLG0302  date-time applid  Journal name journalname has been installed.  Journal type:  {MVS | SMF | DUMMY}stream.

Explanation:  Journal name journalname has been installed and is available for use.  The type of journal, and for type MVS only, the log stream name stream are also shown.

System Action:  An event entry is made in the trace table.

User Response:  None

Destination:  CRDI

Module:  DFHLGJN

XMEOUT Parameters:  date, time, applid, journalname, {1=MVS , 2=SMF, 3=DUMMY}, stream

---

DFHLG0303  date-time applid  An error has been detected while connecting to log stream stream for journal name journalname.  The journal status has been set to FAILED.

Explanation:  An error has been detected connecting to log stream stream which is used by journal journalname.

System Action:  An exception entry is made in the trace table.

CICS marks the journal as failed.  Applications which attempt to use the journal receive an IOERROR response and may terminate abnormally.

User Response:  Notify the system programmer.

See the associated messages issued by CICS or the MVS system logger for more information and for guidance about appropriate recovery actions.

If CICS is still running, it is necessary to decide whether to terminate CICS.

If journal journalname is not crucial to the running of your CICS system, you may decide to continue.

If the problem with the log stream can be resolved, use of the journal can be restored by issuing the CEMT or EXEC CICS command SET JOURNALNAME(journalname) ACTION(RESET).

If you cannot continue without the full use of journal journalname you should bring CICS down in a controlled shutdown.

Destination:  CSMT

Module:  DFHLGJN

XMEOUT Parameters:  date, time, applid, stream, journalname

---

DFHLG0304  date-time applid  An error has been detected writing the catalog entry for journal name journalname.

Explanation:  An error has been detected writing the global catalog entry for journal journalname.

System Action:  An exception entry is made in the trace table.

The new journal entry is used for this CICS run but does not persist over a CICS restart.

User Response:  Notify the system programmer.

See the associated CICS messages for more information, and for guidance about appropriate recovery actions.

If you cannot continue without the full use of journal journalname you should bring CICS down in a controlled shutdown.

Destination:  CSMT

Module:  DFHLGJN

XMEOUT Parameters:  date, time, applid, journalname
DFHLG0305  date time applid An error has been detected deleting the catalog entry for journal name journalname.  
Explanation: An error has been detected deleting the global catalog entry for journal journalname.  
System Action: An exception entry is made in the trace table.  
The old journal entry could not be discarded and may reappear after a CICS restart  
User Response: Notify the system programmer.  
See the associated CICS messages for more information and for guidance about appropriate recovery actions.  
If you cannot continue without the full use of journal journalname, you should bring CICS down in a controlled shutdown.  
Destination: CSMT  
Module: DFHLGJN  
XMEOUT Parameters: date, time, applid, journalname

DFHLG0306  date time applid Journal name journalname has been discarded.  
Explanation: Journal name journalname has been discarded and is no longer available for use.  
Future attempts to use the journal name will cause it to be reinstalled using the journal model definitions active at that time.  
System Action: An event entry is made in the trace table.  
User Response: None.  
Destination: CRDI  
Module: DFHLGLD  
XMEOUT Parameters: date, time, applid, journalname

DFHLG0401  date time applid Journal model resource journalmodel has been installed.  
Explanation: The journal model resource entry journalmodel has been installed and is available for use.  
System Action: An event entry is made in the trace table.  
User Response: None.  
Destination: CRDI  
Module: DFHLGLD  
XMEOUT Parameters: date, time, applid, journalmodel

DFHLG0402  date time applid An error has been detected writing the catalog entry for journal model journalmodel.  
Explanation: An error has been detected writing the global catalog entry for journal model journalmodel.  
System Action: An exception entry is made in the trace table.  
The new journal model entry is used for this CICS run but does not persist over a CICS restart  
User Response: Notify the system programmer.  
See the associated CICS messages for more information and for guidance about appropriate recovery actions.  
If you cannot continue without the full use of journal model journalmodel you should bring CICS down in a controlled shutdown.  
Destination: CSMT  
Module: DFHLGLD

DFHLG0403  date time applid An error has been detected deleting the catalog entry for journal model journalmodel.  
Explanation: The deletion of the global catalog entry for journal model journalmodel has failed.  
System Action: An exception entry is made in the trace table.  
The old journal model entry could not be deleted and may reappear after a CICS restart  
User Response: Notify the system programmer.  
See the associated CICS messages for more information and for guidance about appropriate recovery actions.  
If you cannot continue without the full use of journal model journalmodel you should bring CICS down in controlled shutdown.  
Destination: CSMT  
Module: DFHLGJN  
XMEOUT Parameters: date, time, applid, journalmodel

DFHLG0404  date time applid Journal model resource journalmodel1 has been replaced by journalmodel2.  
Explanation: A journal model resource entry has been replaced because journal model journalmodel2 has the same journal name template as journalmodel1.  
System Action: An event entry is made in the trace table.  
User Response: None.  
Destination: CRDI  
Module: DFHLGLD  
XMEOUT Parameters: date, time, applid, journalmodel1, journalmodel2

DFHLG0405  date time applid Journal model journalmodel has been discarded.  
Explanation: Journal model journalmodel has been discarded and is no longer available for use.  
System Action: An event entry is made in the trace table.  
User Response: None.  
Destination: CRDI  
Module: DFHLGLD  
XMEOUT Parameters: date, time, applid, journalmodel

DFHLG0501  date time applid Log stream definition for stream suppressed by XLGSTRM user exit.  
Explanation: MVS log stream stream does not exist but could not be defined because the XLGSTRM user exit suppressed automatic installation.  
System Action: An exception entry is made in the trace table.  
CICS cannot define or connect to the log stream. Applications attempting to use the stream receive an error response and may terminate abnormally.  
User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS. Define the log stream directly to the MVS system logger.  
If stream stream is not crucial to the running of your CICS system, you may decide to continue.
If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream, you should bring CICS down in a controlled shutdown.

**Destination:** Console and Transient Data Queue CRDI

**Module:** DFHLGST

**XMEOUT Parameters:** date, time, applid, stream

---

**DFHLG0502 date time applid Log stream stream defined to MVS using model stream model.**

**Explanation:** MVS log stream stream did not exist and has been successfully defined to the MVS system logger using the attributes of model log stream model.

**System Action:** An event entry is made in the trace table. CICS connects and uses the newly defined log stream.

**User Response:** None.

**Destination:** CRDI

**Module:** DFHLGST

**XMEOUT Parameters:** date, time, applid, stream, model

---

**DFHLG0503 date time applid Log stream stream, using model stream model, not defined to MVS for reason X'reason'.**

**Explanation:** MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model for reason X’reason’. X’reason’ is the return code from the IXGINVNT macro and X’reason’ is the reason code returned by the IXGINVNT macro. These are described in the OS/390 MVS Programming: Assembler Services Reference and in the IXGCON macro.

**System Action:** An event entry is made in the trace table. The trace entry contains additional diagnostic information from the system logger answer area (IXGANSAA).

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHLGST

**XMEOUT Parameters:** date, time, applid, stream, model, X'reason'

---

**DFHLG0504 date time applid Log stream stream using model stream model not defined to MVS due to insufficient authority.**

**Explanation:** MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because of insufficient authority.

To define a log stream CICS requires the following authority:

- **ALTER authority to stream in the LOGSTRM class,**
- **UPDATE authority to model in the LOGSTRM class,**
- **UPDATE authority to resource IXLSTRM.structure_name in the FACILITY class if the XLGSTRM exit supplies a structure name.**

**System Action:** An event entry is made in the trace table. CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHLGST

**XMEOUT Parameters:** date, time, applid, stream, model

---

**DFHLG0505 date time applid Log stream stream using model stream model not defined to MVS because of an invalid HLQ parameter.**

**Explanation:** MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because of an invalid high level qualifier (HLQ) parameter.

The HLQ parameter specifies the high level qualifier to be used for log stream data sets.

**System Action:** An event entry is made in the trace table. CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Correct the HLQ parameter in the model/log stream definition or the XLGSTRM exit, or both.
DFHLG0506

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data stream forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream stream, you should bring CICS down in a controlled shutdown.

**Destination**: Console and Transient Data Queue CSMT

**Module**: DFHLGST

**XMEOUT Parameters**: date, time, applid, stream, model

DFHLG0506 date time applid Log stream stream using model stream model not defined to MVS because of insufficient LOGR couple data set space.

**Explanation**: MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because of insufficient space in the MVS system logger’s LOGR couple data set.

**System Action**: An event entry is made in the trace table.

CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

**User Response**: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Redefine the MVS system logger’s LOGR couple data set to contain space for this log stream and for future requirements.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data stream forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream, you should bring CICS down in a controlled shutdown.

**Destination**: Console and Transient Data Queue CSMT

**Module**: DFHLGST

**XMEOUT Parameters**: date, time, applid, stream, model

DFHLG0508 date time applid Log stream stream not defined to MVS because model stream model does not exist.

**Explanation**: MVS log stream stream could not be defined to the MVS system logger because the model log stream model does not exist.

**System Action**: An event entry is made in the trace table.

CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

**User Response**: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU). or you can define the model log stream to the MVS logger if there are likely to be more log streams to be defined using the same model.

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data stream forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown.

**Destination**: Console and Transient Data Queue CSMT

**Module**: DFHLGST

**XMEOUT Parameters**: date, time, applid, stream, model

DFHLG0507 date time applid Log stream stream using model stream model not defined to MVS. Maximum number of streams reached.

**Explanation**: MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because the maximum number of log streams for the coupling facility structure has been reached.

The maximum number of streams per structure is specified in the LOGSNUM parameter when defining a structure to the MVS system logger.

**System Action**: An event entry is made in the trace table.

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

**User Response**: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Change the STRUCTNAME parameter in the model logger definition or the XLGSTRM exit to point to a structure that has room for more streams or delete unneeded streams from the current structure.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data stream forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream, you should bring CICS down in a controlled shutdown.

**Destination**: Console and Transient Data Queue CSMT

**Module**: DFHLGST

**XMEOUT Parameters**: date, time, applid, stream, model
DFHLG0509 date time applid Log stream stream using model stream model not defined to MVS because of an invalid structure name.

Explanation: MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because of an invalid coupling facility structure name.

System Action: An event entry is made in the trace table. CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Correct the STRUCTNAME parameter in the model logger definition or the XLGSTRM exit, or both.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: date, time, applid, stream, model

DFHLG0510 date time applid Log stream stream using model stream model not defined to MVS because stream is an invalid stream name.

Explanation: MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because stream is an invalid stream name.

System Action: An event entry is made in the trace table. CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Correct the JOURNALMODEL definition used to create the stream name and DISCARD any JOURNAL definitions which refer to the stream name or, if the stream is a VSAM forward recovery log stream, correct the stream name in the VSAM data set's catalog entry.

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream stream you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: date, time, applid, stream, model

DFHLG0511 date time applid Log stream stream using model stream model not defined to MVS because STRUCTNAME parameter missing in model.

Explanation: MVS log stream stream does not exist and could not be defined to the MVS system logger using the attributes of model log stream model because the model log stream definition does not contain the required STRUCTNAME parameter.

System Action: An event entry is made in the trace table. CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Redefine the model log stream in the MVS system logger’s LOGR couple data set using the IXCMIAPU utility ensuring the model stream definition contains the STRUCTNAME(structure_name) parameter to indicate which coupling facility structure is to be used for the log stream. Alternatively you can use the CICS exit, XLGSTRM, to supply the structure name to the MVS system logger.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(journalname) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream stream, you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: date, time, applid, stream, model

DFHLG0512 date time applid Log stream stream cannot be used as both a system log and a general log.

Explanation: MVS log stream stream cannot be used as both a system log and as a general log.

It is likely that a JOURNALMODEL resource definition has resulted in the same log stream name for a user journal as for the system log journal names (DFHLOG and DFHSHUNT). Alternatively a system log stream name may have been specified in the ICF catalog as the forward recovery log stream for a VSAM data set.

System Action: CICS cannot connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream stream is not crucial to the running of your CICS system, you may decide to continue.

Review and correct your installed Journalmodels to ensure that the same log stream is not used for system logs (DFHLOG and DFHSHUNT) as for other journals. Use the CEMT DISCARD
JOURNALNAME() command to remove any journals that have been installed with the incorrect stream name.

**Note:** If you change the Journalmodel definitions which apply to DFHLOG and DFHSHUNT, you will need to perform an initial start.

If the ICF catalog specifies the wrong stream name, use the IDCAMS ALTER command to correct it.

**Destination:** CSMT  
**Module:** DFHLGST  
**XMEOUT Parameters:** date, time, applid, stream

---

**DFHLG0513**  
*date time applid Log stream stream has failed and new connections cannot be accepted.*

**Explanation:** MVS log stream `stream` has been marked as failed by a previous error. The stream cannot be used again until all current users of the stream have disconnected and the problem that caused the failure has been resolved.

**System Action:** CICS cannot connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

CICS continues with attempting to quiesce usage of the log stream and will disconnect from the log stream.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream `stream` is not crucial to the running of your CICS system, you may decide to continue.

CICS should automatically quiesce usage of the log stream but if CEMT INQUIRE STREAM(`stream`) shows continued use of the log stream, you should investigate whether there are any long running transactions that are preventing the closure of files which use the log stream as a forward recovery log or autojournal.

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing the command SET JOURNALNAME(`journalname`) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream `stream`, you should bring CICS down in a controlled shutdown.

**Destination:** CSMT  
**Module:** DFHLGST  
**XMEOUT Parameters:** date, time, applid, stream

---

**DFHLG0514**  
*date time applid Log stream stream is in use by another CICS system.*

**Explanation:** MVS log stream `stream` is in use by another CICS region.

General log streams can be shared between CICS regions but each CICS region must have unique system log streams.

One of the following may have occurred:

- You are running two copies of the CICS region (same APPLID)
- A JOURNALMODEL resource definition has resulted in the same log stream name for a system log as for the system log journal names (DFHLOG and DFHSHUNT) for another CICS region.
- A JOURNALMODEL resource definition has resulted in the same log stream name for a user journal as for the system log journal names (DFHLOG and DFHSHUNT).

- A system log stream name may have been specified in the ICF catalog as the forward recovery log stream for a VSAM data set.

**System Action:** CICS cannot connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream `stream` is not crucial to the running of your CICS system, you may decide to continue.

Use the MVS console command DISPLAY GRS,RES=(DFHSTRM,`stream`) to find which other CICS region or regions are using the log stream.

Review and correct your installed Journalmodels to ensure that the same log stream is not used for system logs (DFHLOG and DFHSHUNT) as for other journals. Use the command CEMT DISCARD JOURNALNAME() to remove any journals that have been installed with the incorrect stream name.

**Note:** If you change the Journalmodel definitions which apply to DFHLOG and DFHSHUNT, you will need to perform an initial start.

If the ICF catalog specifies the wrong stream name, use the IDCAMS ALTER command to correct it.

**Destination:** Console and Transient Data Queue CSMT  
**Module:** DFHLGST  
**XMEOUT Parameters:** date, time, applid, stream

---

**DFHLG0730**  
*applid A severe error (code X'code') has occurred while opening the system log (journalname). CICS will be terminated.*

**Explanation:** The CICS log manager has detected a severe error while opening the primary or secondary system log. The nature of the error is indicated by a previous CICS message. The code `code` is the exception trace point ID which uniquely identifies the place where the error was detected.

**System Action:** An exception entry is made in the trace table. A system dump is taken and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Using the previous message as a guide, correct the problem and restart CICS, ensuring that the appropriate SIT START parameter is specified in order to maintain data integrity.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console  
**Module:** DFHL2SLN  
**XMEOUT Parameters:** applid, X'code', journalname

---

**DFHLG0731**  
*applid A failure has occurred while opening the system log (journalname). CICS will be terminated.*

**Explanation:** The CICS log manager has detected a failure while opening the primary or secondary system log. The nature of the failure is indicated by a previous CICS message.

**System Action:** An exception entry is made in the trace table, and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.
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DFHLG0733  applid A log stream type of SMF has been requested for the system log (journalname). This is not allowed.

Explanation: A log stream type of SMF has been specified on the JOURNALMODEL definition for either the primary or secondary system log. JOURNALMODEL definitions for the system log must have a log stream type of either MVS or DUMMY.

System Action: An exception entry is made in the trace table and CICS is terminated. CICS can not operate with an SMF system log.

User Response: Change the JOURNALMODEL definition so that a log stream type of either MVS or DUMMY is specified.

Destination: Console
Module: DFHL2SLN
XMEOUT Parameters: applid, journalname

DFHLG0734  applid A severe error (code X’code’) has occurred while accessing the CICS system log. CICS will be terminated.

Explanation: The CICS log manager has detected a severe error while writing to or reading from the primary or secondary system log. The nature of the error is indicated by a previous CICS message. The code code is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Using the previous message as a guide, correct the problem and restart CICS, specifying the SIT START parameter as AUTO.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHL2SLN
XMEOUT Parameters: applid, journalname

DFHLG0735  applid A failure has occurred while (writing to i reading from) the system log (journalname). Access to the system log has been lost. CICS will be terminated.

Explanation: The CICS log manager has detected a failure while writing to or reading from the system log. The nature of the failure is indicated by a previous CICS message, and implies that data on the log has not been lost.

System Action: An exception entry is made in the trace table, and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

User Response: Using the previous message as a guide, correct the problem and restart CICS, specifying the SIT START parameter as specified in order to maintain data integrity.

If you cannot resolve the problem, or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHL2SLE
XMEOUT Parameters: applid, journalname

DFHLG0736  applid A failure has occurred while reading from the system log (journalname). The requested data could not be found. CICS will be quiesced allowing some tasks to complete. Further work requires an initial start.

Explanation: The CICS log manager is unable to locate previously hardened data when reading from the system log during the dynamic backout of a task. This implies that data on the system log has been lost. The integrity of the system log is therefore suspect.

System Action: No more blocks are written to the system log. CICS is quiesced via a normal shutdown to let as many tasks complete as possible. Any tasks that enter dynamic backout from this point onwards are suspended. If the next CICS start is not an initial start, CICS will terminate before allowing user processing to begin because system log data may have been lost.

User Response: Transactions that failed to complete before shutdown will need to be recovered by other means before starting CICS again.

You may need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHL2SLE
XMEOUT Parameters: applid, journalname

DFHLG0737  applid A failure has occurred while writing to the system log (journalname). A log record was longer than the maximum block size for the MVS log stream. CICS will be terminated.

Explanation: The CICS log manager has detected a failure while writing to the system log. An attempt was made to write a log record longer than the maximum block size allowed for the MVS log stream. The size mismatch is indicated by a previous DFHLG0742 message written to the CSMT TD destination.

System Action: An exception entry is made in the trace table, and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

User Response: Using the previous message as a guide, define a larger block size for the MVS log stream structure that the system log will use. Then restart CICS, ensuring that the appropriate SIT START parameter is specified in order to maintain data integrity.

Destination: Console
Module: DFHL2SLE
XMEOUT Parameters: applid, journalname
DFHLG0738

applid A failure has occurred while reading the system log (journalname). The requested data could not be found. CICS will be terminated. Further work requires an initial start.

Explanation: The CICS log manager is unable to locate previously hardened data when reading from the system log during a restart of CICS. This implies that data on the system log has been lost. The integrity of the system log is therefore suspect.

System Action: No blocks are written to the system log. CICS restart is abandoned. If the next CICS start is not an initial start, CICS will terminate before allowing user processing to begin because system log data may have been lost.

User Response: Incomplete transactions will need to be recovered by other means before starting CICS again.

You may need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHL2SLE
XMEOUT Parameters: applid, journalname

DFHLG0739

applid An attempt to start transaction CSQC to perform a normal shutdown of CICS has failed. Perform a normal shutdown of CICS manually.

Explanation: The CICS log manager attempted to start transaction CSQC to quiesce CICS via a normal shutdown but the attempt was unsuccessful. CICS was being quiesced because the integrity of the system log is suspect.

System Action: An exception entry is made in the trace table, and a system dump is taken. CICS continues processing but any tasks that enter dynamic backout are suspended indefinitely and remain infall.

User Response: Issue CEMT PERFORM SHUTDOWN to quiesce CICS via a normal shutdown. This lets as many transactions complete as possible. Refer to the explanations for messages DFHLG0736 and DFHLG0740. Also attempt to establish why transaction CSQC failed to start, and correct the problem. If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHL2SLE
XMEOUT Parameters: applid, tasknum, tranid, termid

DFHLG0740

applid While writing data to the system log (journalname), a lost data warning was received. CICS will be quiesced without logging, allowing tasks to complete. Further work requires an initial start.

Explanation: The CICS log manager received a lost data warning when writing to the system log. This means that one or more blocks of previously hardened data have been lost from the system log. The integrity of the system log is therefore suspect.

System Action: No more blocks are written to the system log. CICS is quiesced via a normal shutdown to let as many tasks complete as possible. Any tasks that enter dynamic backout from this point onwards are suspended. If the next CICS start is not an initial start CICS will terminate before allowing user processing to begin because system log data may have been lost.

User Response: Transactions that failed to complete before shutdown will need to be recovered by other means before starting CICS again.

You may need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT
Module: DFHL2LB, DFHL2WF, DFHL2CHM
XMEOUT Parameters: date, time, applid, rsize, bsize, (1=MVS log stream | 2=SMF journal name)

DFHLG0741

applid A failure to read data from the system log during dynamic backout has caused task tasknum to be suspended indefinitely. Tranid tranid, termid.

Explanation: Task tasknum with tranid tranid running at termid termid has been suspended indefinitely. Data required during dynamic backout could not be located on the system log. This message is preceded by message DFHLG0736.

System Action: The task is suspended. CICS in the process of quiescing via a normal shutdown.

User Response: Refer to the message explanation for message DFHLG0736.

Destination: Console
Module: DFHL2SLE
XMEOUT Parameters: applid, tasknum, tranid, termid

DFHLG0742

date time applid Log record too long for block.

Record size rsize bytes. Block size bsize bytes. (MVS log stream | SMF journal name)

Explanation: The CICS log manager has detected an attempt to write a log record to an MVS logger log stream or SMF journal where the log record is too long to fit in the maximum block size allowed.

The message indicates the size of the log record and the maximum size of a block for that log stream. The size of the log record includes a CICS record header (up to 200 bytes for system log, 56 bytes otherwise) and any user prefix data. There must also be enough room in the block for a CICS block header (158 bytes for SMF, 52 bytes for system log, 40 bytes otherwise).

System Action: An exception entry is made in the trace table. If the log stream is part of the CICS system log and the log record was not written by a user application or exit program then CICS is terminated. Otherwise an exception is passed back to the caller.

User Response: First establish whether a log record of the indicated size is expected. If the log record was written by a user application or exit program using EXEC CICS WRITE JOURNALNAME or DFHJJCJX WRITE _JOURNAL_DATA, the program could be in error.

If the log record is correct, you should increase the block size for an MVS logger log stream by defining a larger block size for the structure that the log stream will use. For an SMF journal, the block size is fixed at 32756 bytes and cannot be changed.

Destination: CSMT
Modules: DFHL2LB, DFHL2WF, DFHL2CHM
XMEOUT Parameters: date, time, applid, rsize, bsize, (1=MVS log stream | 2=SMF journal name)
**DFHLG0743** date time applid Tail of log stream lsn deleted at block id X’blockid’.

**Explanation:** The CICS log manager has trimmed the tail of MVS logger log stream lsn. All records that occurred before (older) the specified MVS logger block id blockid have been deleted.

This occurs during activity keypoint processing when CICS decides it no longer needs records beyond a certain age on a CICS system log log stream.

**System Action:** CICS continues processing.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHL2CHE

**XMEOUT Parameters:** date, time, applid, lsn, X’blockid’

---

**DFHLG0744** date time applid All records in log stream lsn have been deleted.

**Explanation:** The CICS log manager has deleted all records from MVS logger log stream lsn.

This occurs either at CICS startup when the start type is initial, or during activity keypoint processing, when CICS decides it no longer needs any of the records currently on a CICS system log log stream.

**System Action:** CICS continues processing.

**User Response:** None.

**Destination:** CSMT

**Modules:** DFHL2CC, DFHL2CHE

**XMEOUT Parameters:** date, time, applid, lsn

---

**DFHLG0745I** applid System log full scan has started.

**Explanation:** The CICS log manager has started the full scan of the system log during startup.

**System Action:** CICS continues processing.

**User Response:** None. The message can be suppressed with the SIT parameter MSGLEVEL=0.

**Destination:** Console

**Module:** DFHL2CHA

**XMEOUT Parameter:** applid

---

**DFHLG0746** date time applid System log scan trim record found.

**Primary logstream block id X’pblock’, secondary logstream block id X’sblock’.

**Explanation:** The CICS log manager has encountered a trim record during the scan of the system log log stream during startup.

The primary logstream trim record block id is pblock, the secondary logstream trim record block id is sblock.

This is an informational message.

**System Action:** CICS continues processing.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHL2CHN

---

**DFHLG0747I** applid System log scan continuing, count records processed.

**Explanation:** The CICS log manager has processed count records during the scan of the system logstream at a CICS restart.

The message is produced every ‘n’ records - where ‘n’ is half of AKPFREQ or 500, which ever is the greatest.

This is a progress message.

**System Action:** CICS continues processing.

**User Response:** None. The message can be suppressed with the SIT parameter MSGLEVEL=0.

**Destination:** Console

**Modules:** DFHL2CHN DFHL2CH4

**XMEOUT Parameters:** applid, count

---

**DFHLG0748I** applid System log selective scan has started.

**Explanation:** The CICS log manager has started the selective scan of the system log during startup.

**System Action:** CICS continues processing.

**User Response:** None. The message can be suppressed with the SIT parameter MSGLEVEL=0.

**Destination:** Console

**Module:** DFHL2CHH

**XMEOUT Parameter:** applid

---

**DFHLG0749I** applid System log scan has completed.

**Explanation:** The CICS log manager has finished the scan of the system log stream during startup.

**System Action:** CICS continues processing.

**User Response:** None. The message can be suppressed with the SIT parameter MSGLEVEL=0.

**Destination:** Console

**Module:** DFHL2CHL

**XMEOUT Parameter:** applid

---

**DFHLG0750** applid Transaction CSQC has failed to perform a normal shutdown of CICS. Perform a normal shutdown of CICS manually.

**Explanation:** Transaction CSQC has failed to quiesce CICS via a normal shutdown because an error was detected. CICS was being quiesced because the integrity of the system log is suspect.

**System Action:** A system dump is taken. CICS continues processing but any tasks that enter dynamic backout are suspended indefinitely and remain inflight.

**User Response:** Issue CEMT PERFORM SHUTDOWN to quiesce CICS via a normal shutdown. This lets as many transactions complete as possible. Refer to the explanations for messages DFHLG0736 and DFHLG0740.

Try to establish why transaction CSQC failed to quiesce CICS, and correct the problem. If the error condition persists, you will
need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHLGQC

**XMEOUT Parameter:** applid

---

**DFHLG0760**

```
DFHLG0760 date time applid Log stream lsn not trimmed by  
keypoint processing. Number of keypoints since  
last trim occurred: trimnum.  

APAR PQ34528  
```

**Explanation:** The CICS log manager has been unable to trim the tail of MVS logger log stream lsn, during an activity keypoint.

**System Action:** CICS continues processing.

**User Response:** This is an informational message, but should be treated as a warning of a potential problem if the number of keypoints that have been unable to trim the primary system log stream continues to increase. Occasional keypoints that fail to trim DFHLOG are not unexpected events. However, if the message is issued by a number of sequential keypoints then this warrants further investigation.

The keypoint operation was unable to trim the tail of DFHLOG because the oldest log records on the log stream belong to a Unit Of Work (UOW) that is still required. This may be a validly long-running UOW; alternatively, it may be part of a long-running task executing an application that generates log records but does not issue syncpoint requests regularly enough.

This may be a transient phenomenon due to an atypical long-running UOW. Review the number of keypoints that have been unable to trim the log. Check what message CICS issues for log stream lsn at the next activity keypoint. Message DFHLG0743 indicates the log stream is now successfully trimmed. Another DFHLG0760 message indicates a long-running UOW still exists on the system. If the log stream still cannot be trimmed, use the CEMT INQUIRE UOW command to review the oldest UOWs on the system. Also review how often CICS is performing an activity keypoint (AKPFFREQ system definition parameter).

**Destination:** CSMT

**Module:** DFHL2CHE

**XMEOUT Parameters:** date, time, applid, lsn, trimnum

---

**DFHLG0770** applid A severe error has occurred while writing to the SMF log, which was accessed via journal jname. SMF response X'resp'.

**Explanation:** The CICS log manager has detected a severe error while writing to the SMF log. This is accessed via journal jname. SMF returns the response byte X’resp’.

**System Action:** An exception entry is made in the trace table, a system dump is taken and an exception is returned to the caller.

**Destination:** Console

**Module:** DFHL2LB

**XMEOUT Parameters:** applid, jname, X'resp'

---

**DFHLG0771** date time applid A temporary error condition occurred during MVS logger operation [IXGCONN / IXGWRITE / IXGBRWSE / IXGDELET / IXGQUERY ]|CONNECT | DISCONNECT | | START |
READCURSOR | READBLOCK | END | ALL | RANGE |
for log stream lsn. MVS logger codes: X'ret', X'rsn'.

**Explanation:** The CICS log manager made a call to the MVS logger to access a log, which returned a temporary error condition. The MVS logger operation that returned the error condition is identified in the message. The return and reason codes shown are those returned by the MVS logger.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

**System Action:** The log manager automatically retries the operation every three seconds while the temporary error condition persists. This message is issued every ten retries following the first/previous issue.

**User Response:** None. This is a temporary condition.

**Destination:** CSMT

**Modules:** DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

**XMEOUT Parameters:** date, time, applid, \{1=IXGCONN , 2=IXGWRITE, 3=IXGBRWSE , 4=IXGDELET , 5=IXGQUERY \}, \{1=CONNECT, 2=DISCONNECT, 3= , 4=START, 5=READCURSOR, 6=READBLOCK, 7=END, 8=ALL, 9=RANGE\}, lsn, X'ret', X'rsn'

---

**DFHLG0772** applid An error has occurred during MVS logger operation [IXGCONN / IXGWRITE / IXGBRWSE / IXGDELET ]|CONNECT | DISCONNECT | | START |
READCURSOR | READBLOCK | END | ALL | RANGE |
for log stream lsn. MVS logger codes: X'ret', X'rsn'.

Log stream attributes: SYSTEMLOG\{YES | NO\}, DASDONLY\{YES | NO\}, STRUCTNAME\{structname\}, RETPD\{X'ypd\}, AUTODELETE\{YES | NO\}.

**Explanation:** The CICS log manager made a call to the MVS logger to access a log, which returned an error condition. The MVS logger operation that returned the error condition is identified in the message, and the return and reason codes shown are those returned by the MVS logger. This is followed by some of the attributes which define the log stream. A structure name of ************** indicates that no structure is being used by this log stream.

If the error occurred during a log stream connection, these attributes may not have been updated to the correct values for the log stream and should be ignored. These attributes are only valid following a successful connection.

This message may be followed by other CICS messages, especially if the log stream is part of the CICS system log.

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This situation can occur when CICS calls the MVS logger using an obsolete log stream connection token, when the MVS logger has been restarted following either a crash or a user request. A restart of the MVS logger implicitly disconnects all connections to it.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

**System Action:** An exception entry is made in the trace table, and a system dump is taken.

The log manager returns an exception condition. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** If the MVS logger was recently restarted, AUTO start CICS. Otherwise use the MVS logger return and reason codes to diagnose the problem. If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

**XMEOUT Parameters:** applid, {1=IXGCONN, 2=IXGWRITE, 3=IXGBRWSE, 4=IXGDELET}, {1=CONNECT, 2=DISCONNECT, 3=, 4=START, 5=READCURSOR, 6=READBLOCK, 7=END, 8=ALL, 9=RANGE}, lsn, X'ret', X'rsn', {1=YES, 2=NO}, structname, X'retpd', {1=YES, 2=NO}

**Explanation:** The CICS log manager has detected a severe error while attempting to access a log stream. The log stream's data set directory is full. MVS logger codes: X'ret' X'rsn'.

**System Action:** An exception entry is made in the trace table.

The MVS logger has returned an alert during operation IXGWRITE for log stream lsn. The log stream data set directory is full. MVS logger codes: X'ret' X'rsn'.

**Explanation:** The CICS log manager has detected a warning while attempting to access a log stream. The log stream's data set directory is full.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

**System Action:** An exception entry is made in the trace table.

CICS continues normal operation until the current data set of the log stream becomes full. When this happens message DFHLG0772 is issued.

**User Response:** You should delete data from the log stream tail before the current data set fills up. You may wish to take a copy of the data before deleting it. Alternatively you could use a new log stream, but this may be too disruptive.

**Destination:** Console

**Modules:** DFHL2HS2, DFHL2HSF

**XMEOUT Parameters:** applid, {1=IXGCONN CONNECT, 2=IXGWRITE }, lsn, X'ret', X'rsn'

**Explanation:** The CICS log manager has detected an alert while attempting to access a log stream. The writer offload task for the log stream is failing.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

**System Action:** An exception entry is made in the trace table.

CICS can continue normal operation until the log stream's structure becomes full. When this happens message DFHLG0772 is issued.

**User Response:** You should investigate and fix the failing log stream writer offload task, which is part of the MVS logger, before the log stream structure in the coupling facility fills up.

**Destination:** Console

**Modules:** DFHL2HS2, DFHL2HSF

**XMEOUT Parameters:** applid, {1=IXGCONN CONNECT, 2=IXGWRITE }, lsn, X'ret', X'rsn'

**Explanation:** The CICS log manager has detected a warning while attempting to access a log stream. The writer offload task for the log stream is failing.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

**System Action:** An exception entry is made in the trace table.

CICS can continue normal operation until the log stream's structure becomes full. When this happens message DFHLG0772 is issued.
DFHLG0779

applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. The log stream is being deleted by another program. MVS logger codes: X'ret' X'rsn'.

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The log stream is being deleted by a request from another program and CICS cannot connect to it until this program has finished.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log stream is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

You will need to understand why another program was deleting the log stream. Either prevent such a conflict from occurring in the future, or allocate a different log stream to CICS.

Destination: Console
Module: DFHL2HS2
XMEOUT Parameters: applid, lsn, X'ret', X'rsn'

DFHLG0780

applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. Some data previously written to this log stream has been lost. MVS logger codes: X'ret' X'rsn'.

Explanation: The CICS log manager has detected an error while attempting to access a log stream. Some of the data written to this log stream has been permanently lost.

This message is issued only if the log stream is a general log (not a CICS system log).

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. The log stream is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: This log stream is a general log, therefore it must be deleted and redefined before it can be used by CICS again.

If the log stream is used as a forward recovery log, take a fresh backup of all data sets that use this log stream as soon as possible.

If the log stream is used as a user journal, the associated journal needs to be reenabled before it can be used again. To do this, issue the command

```
SET JOURNALNAME(...) RESET
```

Use the MVS logger return and reason codes to further diagnose the problem.

Destination: Console
Module: DFHL2HS2
XMEOUT Parameters: applid, lsn, X'ret', X'rsn'
Chapter 1. DFH messages

DFHLG0781 applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. The maximum number of log stream connections that the MVS logger can support has been reached. MVS logger codes: X'ret' X'rsn'.

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The maximum number of log stream connections that the MVS logger can support has been reached.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

It may be possible to retry this transaction later when other work has completed and the number of concurrent transactions has reduced. Otherwise you should investigate your usage of log streams within the sysplex with a view to reducing the number of log streams that need to be connected concurrently.

Destination: Console
Module: DFHL2HS2
XMEOUT Parameters: applid, lsn, X'ret', X'rsn'

DFHLG0782 applid The MVS logger has returned an error during operation IXGCONN and IXGWRITE for log stream lsn. The MVS logger does not have authority to access the log stream structure. MVS logger codes: X'ret' X'rsn'.

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The MVS logger does not have the authority to access the log stream structure.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Ensure that MVS logger address space has authority to access the log stream structure.

Destination: Console
Modules: DFHL2HS2, DFHL2HSF
XMEOUT Parameters: applid, lsn, X'ret', X'rsn'

DFHLG0783 applid The MVS logger has returned an error during operation IXGCONN CONNECT for logstream lsn. CICS attempted to connect to a log stream model, which is not possible. MVS logger codes: X'ret' X'rsn'.

Explanation: The CICS log manager has detected an error while attempting to access a log stream. CICS attempted to connect to a log stream model, which is not possible.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

It is possible that a user journal definition has been defined with the wrong log stream name or that the log stream has been defined incorrectly to have the MODEL(YES) attribute. See the CICS System Definition Guide for guidance on defining user journals.

Destination: Console
Module: DFHL2HS2
XMEOUT Parameters: applid, lsn, X'ret', X'rsn'

DFHLG0784 applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. You cannot connect to a DASDONLY log stream that is already connected to another MVS image. MVS logger codes: X'ret' X'rsn'.

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The MVS logger rejected the connect request because the log stream is of type DASDONLY and is already connected to another MVS image.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Log streams of type DASDONLY were designed to work within the scope of a single MVS image only (although the MVS image itself can still be part of a sysplex).

The possibilities are:-

- The connect request is using the wrong log stream name.
- The current connection is using the wrong log stream name.
- The log stream was wrongly defined as being of type DASDONLY.

Destination: Console
Module: DFHL2HS2
XMEOUT Parameters: applid, lsn, X'ret', X'rsn'
DFHLG0785  applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. This is a DASDONLY log stream, which is not supported by the current system release level. MVS logger codes: X'ret' X'srn'.

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The MVS logger rejected the connect request because the log stream is of type DASDONLY and is not supported by the current system release level.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

System Action: An exception entry is made in the trace table.
The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Log streams of type DASDONLY are supported by system release level OS/390 2.4 or later.

The possibilities are:
- CICS was running on the wrong system.
- The log stream was wrongly defined as being of type DASDONLY.
- The connect request is using the wrong log stream name.

Destination: Console
Module: DFHL2HS2
XMEOUT Parameters: applid, lsn, X'ret', X'srn'

DFHLG0785  applid The MVS logger has returned an error during operation IXGCONN CONNECT for log stream lsn. The MVS logger failed to find a suitable coupling facility for the log stream structure. MVS logger codes: X'ret' X'srn'.

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The MVS logger failed to find a suitable coupling facility for the log stream structure.

For further guidance, see the OS/390 MVS Programming: Assembler Services Reference.

System Action: An exception entry is made in the trace table.
The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

You should investigate your usage of the coupling facility resource within the sysplex.

Destination: Console
Module: DFHL2BLK
XMEOUT Parameters: applid, X'blkid1', X'blkid2'

# APAR PQ39764

# DFHLG0788 applid The System Log journals DFHLOG and DFHSHUNT have been defined on the same MVS logstream (logstream). This is invalid. CICS will terminate.

# Explanation: When connecting to the DFHLOG and DFHSHUNT journals, the CICS Logger Domain has detected that both journals are defined on the same MVS logstream. This is invalid.

# System Action: An exception entry is made in the trace table. A system dump is taken and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

# User Response: Correct the JOURNALMODEL definitions used to define the DFHLOG and DFHSHUNT journals and restart the system.

# Destination: Console
# Module: DFHL2SLE
# XMEOUT Parameters: applid, logstream
DFHLG0800  applid The MVS logger failed to locate a blockid requested by the CICS log manager. Missing blockid: X'blkid1'; Chain History Point: X'blkid2'.

Explanation: The MVS logger has returned an xgRsnCodeNoBlock (00000804) Reason Code to the CICS log manager. This means that the log block requested by CICS could not be located by the MVS logger.

The blockid of the requested block, and the blockid representing the Chain History Point for the log block chain in question, are shown.

System Action: This is an informational message to provide the blockid of the missing block, and the blockid of the Chain History Point for the chain which should contain the requested block.

This message will have been preceded by message DFHLG0772. An exception trace was written and a system dump taken.

If the failure occurred while CICS was reading from the system log message DFHLG0736 will follow, and a queue of CICS will be initiated.

User Response: Compare the requested blockid with the Chain History Point blockid. If the requested blockid is equal to, or a higher relative number than, the Chain History Point, the blockid represents a log block which CICS is still validly interested in and which should be available from the MVS logger.

If the requested blockid is a lower relative number than the Chain History Point blockid, then the CICS log manager has requested a block which was written earlier than the current logical start of the chain. This indicates an internal logic error within CICS.

The logstream should be printed before CICS is restarted, using the DFHJUP utility. For guidance in using this, refer to the CICS Operations and Utilities Guide. Note if the failure occurred for the CICS system log then print both the primary and secondary CICS system log logstreams before restarting CICS.

Refer to any messages issued subsequently for further guidance.

If the error condition persists, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHL2BLC

XMEOUT Parameters: applid, X'blkid1', X'blkid2'

DFHLMxxxx messages

DFHLM0001 applid An abend (code abcode) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code abcode is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If there is an MVS code, look it up in the relevant MVS codes manual which is detailed in the book list in the front of this manual. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHLMDM, DFHLMD, DFHLMQ, DFHLMLM

XMEOUT Parameters: applid, abcode, X'offset', modname

DFHLM0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to CICS Problem Determination Guide.

System Action: An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.
You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHLMDM, DFHLMDS, DFHLMIQ, DFHLMLM

**XMEOUT Parameters:** applid, X'code', modname

---

**DFHLM0004**

**applid** A possible loop has been detected at offset X'offset' in module modname.

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHLMDM, DFHLMDS, DFHLMIQ, DFHLMLM

**XMEOUT Parameters:** applid, X'code', modname, mvscode

---

**DFHLM0004 applid A possible loop has been detected at offset X'offset' in module modname.**

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHLMDM, DFHLMDS, DFHLMIQ, DFHLMLM

**XMEOUT Parameters:** applid, X'code', modname, mvscode

---

**DFHMCxxxx messages**

**DFHMC4000** CICS SYNAD EXIT TAKEN FOR dscname, INPUT MSG TRUNCATED.

**Explanation:** This message is issued when the SYNAE exit is taken for an input queue. dscname represents the DSCNAME.

**System Action:** The DCB is closed and then opened again. The data is truncated to the specified block size and passed to the user.

**User Response:** Increase the block size or reduce the length of input.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** MVS data management determines the problem. This message is issued from the CICS-provided SYNAE routine generated in the terminal control table (TCT).

**DFHMC4001**

**date time applid Error purge delay inoperative, (transid | invalid req | unexpected) error**

**Explanation:** An error return code has been received from the interval control program (ICP) during initiation of the purge delay transaction, CSPQ.

The return code is caused by one of the following.

- A TRANSID error.
- An INVALID REQ error.
- An UNEXPECTED error.

**System Action:** Purge delay does not operate for this execution of CICS. A dump is taken.

**User Response:**
• For a TRANSID error, define transaction CSPQ.
• For an INVALID REQ, the ICP returned an INVALID REQUEST return code in response to the INITIATE request. Determine why this has occurred and correct the problem.
• For an UNEXPECTED error, the ICP returned an unrecognized error code in response to the INITIATE request. The error code can be found in the dump at label MCPINERR in program DFHMCP. Determine why this has occurred and correct the problem.

Destination: CSMT
Module: DFHMCP

XMEOUT Parameters: date, time, applid, {1=transid, 2=invalid req, 3=unexpected}

DFHMExxxx messages

DFHME0001 applid An abend (code xxx/yyyy) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end or program check has occurred in module modname.

The code xxx/yyyy is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code (for example AKEA) or a number referring to a CICS message (for example 1310 refers to CICS message DFHTS1310).

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated, even if you have specified terminate in the dump table. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Since the abend affects the national language modules in the message (ME) domain, CICS is not automatically terminated. However, you may decide that your system should not be allowed to run without these modules, in which case you need to bring CICS down.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in this manual. Look up the CICS alphanumeric code in this manual. This code tells you, for example, whether the error was a program check, an abend, a runaway, or a recovery percolation.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Modules: DFHMEDM, DFHMEME, DFHMESR

DFHME0002 applid An error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected.

System Action: A bad return code is sent to the caller of the message (ME) domain. If the call is made by the domain manager, DFHMDMDM, CICS is terminated by the domain manager, and a message is issued to this effect. However, if the message is issued by a message domain module, CICS is allowed to continue. An exception entry is made in the trace table. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated immediately, even if you have specified terminate in the dump table. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer as this message indicates a severe error in CICS code. Its impact may or may not be severe, depending on the circumstances. For example, if it only occurs once and CICS has not been terminated by the domain manager, you may decide to continue to run and bring CICS down at a convenient time. But if the message recurs or if you cannot run without the full use of all CICS messages, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Modules: DFHMEDM, DFHMEME, DFHMESR, DFHMEWT

DFHME0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. This situation may not be an error, or if it is an error it may not be critical, so CICS is not terminated immediately, even if you have specified terminate in the dump table. CICS will purge the runaway task if you have specified this in the SIT.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This error affects message generation, and the message (ME) domain does not automatically terminate CICS. You should decide whether the problem is serious enough to bring CICS down.

Since some transactions can use a lot of CPU time, this message may have been caused by a long-running transaction. Usually, CICS terminates a task which it considers to be a runaway task. It does this termination when the task exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds).
If you have declared ICVR=0, you have to terminate the task yourself if you consider that it has gone into a loop. Purge the task using the CEMT transaction.

If CICS has purged the task and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time in order to do this.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Modules:** DFHMEDM, DFHMESR, DFHMEME

---

**DFHME0006 applid Insufficient storage to satisfy GETMAIN (code X'code') in module modname. MVS code mvscode.**

**Explanation:** An MVS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request. The code X'code' is the exception trace point ID which uniquely identifies the place in the code where the error occurred. The code mvscode is the MVS GETMAIN return code.

**System Action:** An exception entry is made in the trace table with code X'code'. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated immediately, even if you have specified terminate in the dump table. However, if this error indicates a general problem with storage, CICS could be abnormally terminated by the CICS storage manager. A message will be issued to this effect.

If the GETMAIN fails for DFHMEDM, a return code is sent to the domain manager, DFHDMDM, and CICS is terminated by the domain manager. A message is issued to this effect.

If the GETMAIN fails for the message domain DFHMEME, it could occur in one of four places. The code X'code' indicates which GETMAIN has failed as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'0340'</td>
<td>During formatting of TD message</td>
</tr>
<tr>
<td>X'0341'</td>
<td>During build of message</td>
</tr>
<tr>
<td>X'0342'</td>
<td>While building user exit parameters</td>
</tr>
<tr>
<td>X'0343'</td>
<td>During rebuild of message in English</td>
</tr>
</tbody>
</table>

The message is not issued.

The message is not issued.

The message is issued to original destination.

The rebuilt English message is not issued.

Message DFHME0016 is normally produced containing the symptom string for this problem.

**User Response:** If CICS is terminated, look out for the relevant termination messages from the storage manager or the domain manager and the user response suggested.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. You will need to bring CICS down to do this, if it has not already been terminated.

The problem may be a temporary one which rights itself if more storage becomes available. If CICS is still running, and you can manage without the full set of CICS messages, you may decide to continue and bring CICS down at a convenient time.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Modules:** DFHMEDM, DFHMEME

---

**DFHME0101 applid An error (code X'code') occurred while writing message msgno to transient data destination dest**

**Explanation:** CICS has tried to write message msgno to the transient data destination dest. This has failed for one of the following reasons:

1. Destination dest has not been defined in the DCT.
2. Destination dest is currently disabled.
3. The transient data queue for destination dest is full.
4. An I/O error has occurred writing to destination dest.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

**System Action:** An exception entry is made in the trace table and CICS continues.

**User Response:** Check that dest is defined in your DCT. If (1), add a new entry to the DCT for destination dest. Alternatively, if msgno is a DFHDDBxxxx message, refer to the installed DB2CONN object. Change any of the msgqueue1, msgqueue2 and msgqueue3 parameters of the DB2CONN that specify destination dest so that they name a valid destination defined in the DCT.

If (2), use CEMT to reset the status of the queue to ‘enabled’.

If (3), allocate more space for the queue, or reset the trigger level (if messages are being issued to a terminal or printer).

If (4), investigate and fix the cause of the I/O error.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHMEME

---

**DFHME0102 applid An error (code X'code') has occurred in module modname while producing message msgno.**

**Explanation:** A severe error has been detected and the message (ME) domain has been unable to produce message msgno. The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

**System Action:** A return code is sent to the caller of the message (ME) domain, but since the call was made by a message domain module, CICS is allowed to continue.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated immediately, even if you have specified terminate in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Inform the system programmer as this indicates a severe error in CICS code. However, its impact may not be serious. For example, if the error only occurs once and you can...
run without message msgno, you may continue to run and bring CICS down at a convenient time.

However, if the message recurs (and on each recurrence there is a different message number msgno), or if you cannot run without the full use of all CICS messages, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHMEBU, DFHMEIN, DFHMEWT, DFHMEME

DFHME0105 applid Insufficient storage to load module modname.

Explanation: An MVS load has failed. The message language module modname could not be loaded as there was insufficient storage available. The language module is defined in the SIT for messages in a particular language, or is the default language module.

The default language is always used for messages sent to transient data queues and to consoles (providing that it is not a double-byte language in which case the message is sent to the console in English). If the default language module cannot be loaded, no messages can be delivered. Terminals can have messages in the default language or in another chosen language. If the chosen language module cannot be loaded, terminal messages use the default language instead.

System Action: An exception entry is made in the trace table and a dump is taken, unless you have specified suppressed dumps in the dump table. As this may not be a critical problem, CICS is not terminated unless the default language module cannot be loaded, (even if you have specified terminate in the dump table).

If the missing module is not the default language module, CICS uses the default language for messages to terminals. If the default language module cannot be loaded, a return code is sent to the domain manager and CICS is terminated.

User Response: If the default language is in operation and this is acceptable, you need not bring CICS down, or you may do so at some convenient time.

If the default language is in operation and this is not acceptable, or if the default language module itself is missing, consult the MVS messages and codes manual to check the return codes displayed in the message. The return codes indicate why the module could not be loaded.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEDM

DFHME0106 applid Module modname could not be loaded.

REGISTER 1 = X'nnnnnnnn' and REGISTER 15 = X'nnnnnnnn'

Explanation: The message language module modname could not be loaded. The reason that it could not be loaded is given by the contents of registers 1 and 15, which are returned by MVS.

System Action: If the missing module is not the default language module, CICS uses the default language for messages.

If the default language module is missing, a return code is sent to the domain manager and CICS is terminated.

An exception entry is made in the trace table and a dump is taken, unless you have specifically suppressed dumps in the dump table. As this may not be a critical problem, CICS is not terminated unless the default language module cannot be loaded (even if you have specified terminate in the dump table).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If the default language is in operation and this is acceptable, you need not bring CICS down, or you may do so at some convenient time.

If the default language is in operation and this is not acceptable, or if the default language module itself is missing, consult the MVS messages and codes manual to check the return codes displayed in the message. The return codes indicate why the module could not be loaded.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEDM

DFHME0107 applid Module modname cannot be found in the library.

Explanation: The message load module modname was not found in the library defined in the JCL for the CICS job. This load module is a language module for messages. It is either a module which has been defined in the SIT for messages in a particular language, or it is the default language module.

The default language is always used for messages sent to transient data queues and to consoles (providing that it is not a double-byte language, in which case the message is sent to the console in English). If the default language module is missing no messages can be delivered.

Terminals can have messages in the default language or in another chosen language. If the chosen language module is missing, terminal messages use the default language instead.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this may not be a critical error, CICS is not terminated immediately, even if you have specified this in the dump table, unless the default language module is missing, (even if you have specified terminate in the dump table).

If the missing module is not the default language module, CICS uses the default language for messages. If the default language module is missing, a return code is sent to the domain manager and CICS is terminated.

User Response: This error could have occurred because of a problem in a library or in the SIT. If the default language is in operation and this is acceptable, you need not bring CICS down, or you may do so at some convenient time.
The missing module may have been placed in the wrong library, or the wrong or misspelled module name may have been used in the right library.

If the default language is in operation and this is NOT acceptable, link the missing module into the library defined in the JCL for your CICS job by correcting whichever of the problems has occurred. You have to bring CICS down to do this.

It is also possible that an incorrect or misspelled language code has been used in the SIT. In this case, you have to bring CICS down, reinstall your chosen language code as a system initialization parameter, and restart CICS.

If you no longer need this language module, you should remove it from the SIT at the next convenient opportunity.

If the default language module is missing, CICS is terminated by the domain manager. You need to discover whether the fault is in the library or in the SIT and follow the appropriate procedure above.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHMEBU

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**DFHME0108**

**applid** Message **msgno** cannot be found in module **modname**.

**Explanation:** Message **msgno** should have been delivered, but was not found in message language module **modname**.

This module is the national language module specified in the SIT by the user which gives messages in a chosen language.

**System Action:** An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** This indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue to run without message number **msgno**.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHMEIN

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**DFHME0109** **applid** Message set **setname** could not be found in module **modname** while producing message **msgno**.

**Explanation:** Message set **setname** was not found in the message language module **modname**.

The **setname** is the first two characters after the DFH in CICS messages (for example, LD or 21), which is followed by the message number.

**System Action:** An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** This indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number **msgno**.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHMEBU

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**DFHME0110** **applid** Optional value **nn** is missing from insert **ii** for message **msgno**.

**Explanation:** Optional insert value **nn** was requested for insert **ii** on a call to the message domain but could not be found in the definition template for message **msgno**.

**System Action:** CICS delivers the message with ??? in place of the insert **ii** as it cannot resolve which optional value has been requested for the insert.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message **msgno**.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHMEBU
DFHME0111 applid Insert ii is missing for message msgno.

Explanation: Insert ii is required for message msgno. The insert was not found.

System Action: CICS delivers the message with ??? in place of the missing insert ii.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this may not be a critical error, CICS is not terminated, even if you have specified terminate in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message msgno.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEBU

DFHME0112 applid Insert number ii is invalid for message msgno (code X'code').

Explanation: Insert ii, supplied on the call to the message (ME) domain, was invalid. For example, it may have been a decimal insert with a length greater than 4 bytes. The code X'code' uniquely identifies the occurrence of the invalid insert.

System Action: CICS delivers the message with ??? in place of the invalid insert ii.

An exception entry with code X'code' is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified terminate in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates an error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message msgno being produced.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEBU

DFHME0113 applid Correct parameters used in call to DFHMEME for message msgno.

Explanation: A call to the message (ME) domain for message msgno was made with an invalid combination of parameters.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. CICS is not terminated, even if you have specified terminate in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message msgno.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEBU

DFHME0114 applid There are no destinations specified for message msgno.

Explanation: There was no destination destid specified in the message language module for message msgno. This error could occur if the message language module has been corrupted or is not at the correct release level.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated even if you have specified terminate in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message msgno being produced. If you feel it is not critical, you can continue to run your
system without message msgno until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHMEIN

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**DFHME0115 applid modname** Message module for language language not found. The default module modnameb is used.

**Explanation:** The message language module modname for the national language language could not be found in the list of available modules. It is not found if a CICS program calls for a message in a particular language from the message domain, but the message domain cannot locate the message in that language.

The message language module may be unavailable because the LOAD for the appropriate message language module failed at initialization. In this case, there will have been an earlier message about the failed LOAD. Alternatively, the module may not be available because the language specified on the terminal definition, or userid definition, was not specified in the SIT or was specified incorrectly.

**System Action:** An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified terminate in the dump table.

All messages which should appear in language language in module modname appear in the system default language modnameb instead.

**User Response:** Your action depends on whether the use of the default language for messages is acceptable or not. If it is acceptable, you can delay taking any action until a convenient time. This may entail changing a terminal or userid definition if that is the cause of the problem.

If the use of the default language is not acceptable, and if module modname failed to load at initialization, take the action described for the appropriate message about a failed LOAD issued during start-up.

Otherwise, bring CICS down and specify module modname in the SIT or respecify the list of language modules as an override parameter, and restart CICS.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHMEIN

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**DFHME0116 applid (Module:modname) CICS symptom string for message msgno is symstring**

**Explanation:** Message msgno has been issued as the result of a possible CICS error.

Symptom string symstring has been produced to provide additional diagnostic information for IBM support.

**System Action:** This message accompanies message msgno and has no effect on the system action. The system action is that stated in message msgno.

**User Response:** Refer to the user response of message msgno which provides the necessary information to determine if the error is serious enough to be reported to IBM Support.

**Destination:** Console

**Module:** DFHMEME

**XMEOUT Parameters:** applid, msgno, symstring, modname

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**DFHME0117 applid The Message User Exit point XMEOUT is unavailable for message msgno**

**Explanation:** The message (ME) domain was unable to use the message user exit point ‘XMEOUT’ when it was processing message msgno. This is probably because it was invoked too early in CICS initialization. A response of KERNERROR has been returned to the message (ME) domain from the program which invokes the user exit, DFHAPEX.

**System Action:** The message (ME) domain continues processing as this error is not severe. The message msgno which the message (ME) domain was trying to produce is not suppressed or rerouted by the message user exit. Instead, it is issued to the original destination defined for message msgno.

**User Response:** None. You cannot suppress message msgno because the error has occurred too early in initialization.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHMEIN

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**DFHME0118 applid An error has occurred when calling the Message User Exit for message msgno**

**Explanation:** The message (ME) domain has received an incorrect response from DFHAPEX, the program which invoked the message user exit.

**System Action:** The message (ME) domain will continue processing as this error is not severe. The message msgno which the message (ME) domain was trying to produce is not suppressed or rerouted but is issued to its original destination.

**User Response:** This message indicates a probable error in the message user exit. Ensure that your message user exit program is working properly.

However, it is possible that the user exit invoking program DFHAPEX interface has been corrupted. DFHAPEX issues an exception trace entry to indicate that there is an error, but is not able to issue its own error message via the message (ME) domain as doing so would cause CICS to loop. In this case, you will need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.
**Destination:** Console  
**Module:** DFHMEME

**DFHME0119 applid Message msgno has an invalid (Destination / User Exit / Message Identification) component**

**Explanation:** The message (ME) domain has encountered an invalid component in the definition of message msgno in the message language module. The message language module may have been corrupted or be at the wrong release level.

**System Action:** The ME domain produces an exception trace entry and continues processing. No dump is taken.

**User Response:** Ensure that you are using the correct level of the message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number msgno. If you feel it is not important, you can continue to run your system without this message until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console  
**Module:** DFHMEME

**DFHME0120 applid Message msgno has been rerouted to its original destination.**

**Explanation:** The message domain user exit point XMEOUT has attempted to route message msgno to a transient data (TD) queue while CICS is quiescing or terminating. After CICS shutdown has started, a message can only be rerouted to a TD queue if its original destination has a TD queue.

**System Action:** The message is rerouted to its original destination.

**User Response:** None. For programming information about the XMEOUT user exit, see the CICS Customization Guide.

**Destination:** Console  
**Module:** DFHMEME  
**XMEOUT Parameters:** applid, msgno

**DFHME0121 applid The (first / second) attempt at formatting message msgno, TD queue queuename has failed - (Invalid DBCS format / Unknown error)**

**Explanation:** The message (ME) domain was trying to produce message msgno (destined for transient data queue queuename). However, an invalid response has been returned from the message formatting routine, DFHMEFO. This error is probably due to invalid DBCS characters being found in either the message inserts or the message text. The message text is checked at definition time for mismatched shift-out and shift-in characters. However, adjacent shift-in and shift-out characters could appear in a message, for instance, if a double byte message insert has not been supplied correctly.

The message (ME) domain first tries to format the message into 120-byte segments. However, if the transient data queue has been defined with a different queue length, formatting is performed a second time using the new queue length. (Hence the reason for first or second attempts at formatting the message.)

**System Action:** A dump is taken. The message domain does not issue the message being formatted. An exception trace entry is made by the formatting routine DFHMEFO.

**User Response:** This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without the message msgno. If you feel it is not critical, you can continue to run your system without message msgno until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console  
**Module:** DFHMEME

**DFHME0122 applid The Message User Exit has returned invalid route code information for message number msgno**

**Explanation:** The message user exit program has set an invalid route code as the destination of message msgno. Valid route codes are numbers 1 to 28 inclusive.

**System Action:** The message (ME) domain ignores the invalid route code and defaults to the original destination defined for message msgno in the message language module.

**User Response:** Check that your message user exit program sets valid route code information for message msgno.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console  
**Module:** DFHMEME

**DFHME0123 applid The Message User Exit has returned invalid TD queue information for message number msgno**

**Explanation:** The message user exit program has set an invalid queue name as the destination of the message msgno. Valid queue names consist of 4 alphanumeric characters.

**System Action:** The message (ME) domain ignores the invalid queue name and defaults to the original destination defined for message msgno in the message language module.

**User Response:** Check that your message user exit program sets valid queue name information for message msgno.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console  
**Module:** DFHMEME
DFHME0124 applid TD is unavailable for writing message msgno to TD queue queuename

Explanation: The message (ME) domain has tried to output message msgno to transient data queue queuename. However, transient data (TD) is not yet available. This situation may occur early in CICS initialization.

System Action: If the message destination is CDBC, the message is rerouted to the console instead. If the message destination is any other TD queue, it is lost.

User Response: The impact of this error may not be severe. For example, the error may only occur once, or you may decide to continue without message msgno. If you feel it is not critical, you can continue to run your system without message msgno until a convenient time comes to resolve the problem.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHME

DFHME0125 applid The Message User Exit has returned an invalid return code rc for message msgno

Explanation: The message user exit has returned a return code rc. which is neither 0 or 4 when it was processing message msgno. (A return code of 4 indicates that the message is to be suppressed.)

System Action: The message (ME) domain continues processing as normal and does not suppress or reroute the message. Instead, it issues the message as it was originally defined in the message language module.

User Response: Check that your message user exit program is working properly, and that it is passing the correct return code back to the message (ME) domain.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHME

DFHME0126 applid Error in SYMREC invocation. Return code in R15 = X'mmmmn', Reason code in R0 = X'nnnnn'.

Explanation: While handling an error, CICS tried to write a symptom record to SYS1.LOGREC. However, a further problem was detected while attempting to invoke the SYMREC service.

Return code X'mmmmn' in register 15 and reason code X'nnnnn' in register 0 indicate the reason for the error. This may be one of the following.

- CICS has been prevented from writing the symptom record to SYS1.LOGREC by the ASREXIT MVS installation exit. In this case a system dump is not produced.
- There is an error in the SYMRBLD macro. (This is the macro CICS uses to build its symptom records.)
- CICS has supplied invalid data to be added to the symptom record.
- There is an error in the SYMREC service. Examples of possible problems include a storage error, or insufficient space in the LOGREC buffer.

- The SYMREC service is currently inoperative.

System Action: Processing continues and a system dump may be produced.

An exception trace entry (pointid=X'0806') is made in the trace table which contains the symptom record which CICS attempted to write.

User Response: Determine whether the error was caused by a problem in the format of the symptom record produced by CICS, or by a problem in the SYMREC service.

The meanings of the return and reason codes, together with additional information about the SYMREC service can be found in the OS/390 MVS Programming: Assembler Services Reference manual.

Return codes 0010 or 0014 indicate a problem in the SYMREC service which must be reported to the MVS System Administrator.

A return code of 000C and a reason code of 0F1C indicates that the ASREXIT installation exit has prevented CICS from writing the symptom record. This could be caused by an installation error. Report the problem to your MVS system administrator.

Any other return code indicates that the symptom record is invalid to the SYMREC service.

The impact of this error need not be severe, if for example, the problem occurs only as an isolated incident or on the production of a particular message. In these cases, this message can be ignored.

However, if the problem is persistent, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEWS

DFHME0127 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this error may not be critical, CICS is not terminated immediately, even if you have specified terminate in the dump table.

No symptom string is produced for this message because the error has occurred in a module concerned with symptom strings.

User Response: Inform the system programmer. This message indicates a severe error in CICS code. However, the impact of this error should not be severe because the module DFHMEWS is not crucial to CICS functioning.

If the problem recurs, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEWS
DFHME0128 applid Message msgno has an invalid route code.

Explanation: The routine which issues the console message was unable to do so as it encountered an invalid route code associated with message msgno. Valid route codes are numbers from 1 through 28.

This error could only happen if the route codes have become corrupted as they are being passed to the routine which issues the console message, DFHSUWT.

System Action: The message (ME) domain issues an exception trace entry. Message msgno is not issued.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEME

DFHME0129 applid Unable to format console message msgno as it contains invalid DBCS characters.

Explanation: The routine which attempted to format console message msgno was unable to do so as it was found to contain invalid double byte (DBCS) characters. For example, adjacent or unmatched pairs of shift-in and shift-out characters are invalid in a string of DBCS text.

This situation could occur if there are inserts in the message which contain, for example, a shift-out and a shift-in character with no double byte characters entered in between.

System Action: The message (ME) domain continues processing but message msgno is not issued as it cannot be formatted. The message formatting routine, DFHMEFO, issues an exception trace entry. The routine which issues console messages, DFHSUWT, also issues an exception trace entry.

User Response: Ensure that any double-byte information entered from a terminal which may be used as a message insert is entered correctly.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEME

DFHME0130 applid Message msgno has an invalid descriptor code.

Explanation: The routine which issues the console message was unable to do so as it encountered an invalid descriptor code associated with message msgno. Valid descriptor codes are numbers 1 through 16.

This error could only happen if the descriptor codes have become corrupted as they are being passed to the routine which issues the console message, DFHSUWT.

System Action: The message (ME) domain issues an exception trace entry. Message msgno is not issued.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEME

DFHME0131 applid Unable to calculate length of message msgno due to message table corruption, code(code)

Explanation: The message (ME) domain could not calculate the length of the message msgno due to possible corruption of the message language module.

System Action: A return code is sent to the caller of the message (ME) domain. The message msgno is not issued.

User Response: Ensure that you are using the correct level of the message data module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number msgno. If you feel it is not critical, you can continue to run your system without message msgno until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEME

DFHME0132 applid The User’s Message Exit program has failed while processing message msgno

Explanation: The user’s message exit program is either looping or has failed with a program check.

System Action: The message (ME) domain continues processing and issues message msgno to its original destination. The user exit invoking program DFHAPLEX issues an exception trace entry to indicate that the user’s message exit program has failed, but it cannot issue its own error message via the message (ME) domain as doing so would cause CICS to loop.

User Response: Disable your message exit program and ensure it is working properly.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEME
DFHME0133  applid Message msgno could not be found in module DFHMEMGT

Explanation: The message domain was trying to issue one of its own error messages to indicate that an error had occurred in the message domain. However, the message domain was unable to find the message it was attempting to issue in its own internal message table DFHMEMGT.

System Action: An exception entry is made in the trace table by the message domain. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified terminate in the dump table.

User Response: This message indicates an error in CICS code. However, its impact may not be severe.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHSUME

DFHME0134 applid Message msgno has been truncated because it was too long.

Explanation: The message (ME) domain was trying to output message msgno, but truncated the message because it was too long. Message msgno is a conversational message to an operator which has exceeded the maximum size of 119 characters.

System Action: The ME domain truncates the message to 119 bytes before issuing it. An exception trace entry is made and a dump taken, but processing continues.

User Response: This message indicates that msgno has been incorrectly defined in the message table, or that the inserts supplied to the message have caused it to exceed the size limit imposed on conversational messages. If enough information can be obtained from the truncated message, the impact of this error may not be severe. If necessary, you can continue to run your system without this message until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEIN

DFHME0135 applid The default language language specified in the SIT NATLANG parameter is invalid. It has been defaulted to E.

Explanation: The default language is the first character in the NATLANG system initialization parameter. The default language language is not in the list of valid CICS language suffixes.

System Action: CICS continues with a default language of E (US English).

DFHME0136 applid Message msgno is missing from national language module modname. Searching the English message table for the message text.

Explanation: Message msgno cannot be issued in the specified language because the message was not found in the national language module modname.

This could be the result of a PTF containing message msgno not being applied to the module modname. In this case, the text of the missing message could be present in the English language message table DFHMET1E.

System Action: An exception entry is made in the trace table. The message domain tries to find the message in the English language message table. If the message is not found in the English table either, message DFHME0108 is issued followed by a system dump.

User Response: Run the MEU PTF update process to ensure that any new messages have been applied to your language table modname, and rebuild this table. See the CICS Operations and Utilities Guide for guidance on this.

If message DFHME0108 follows this message, there is an error in CICS code and you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEIN

DFHME0137 applid Message msgno cannot be rerouted to a transient data destination by the message user exit XMEOUT.

Explanation: The message msgno cannot be rerouted to a transient data destination via XMEOUT because by doing so, CICS could get into a loop.

System Action: An exception entry is made in the trace table. The message (ME) domain ignores the queue destination returned by the message exit and defaults to the original destination defined for message msgno in the message language module.

User Response: Alter your message user exit program to avoid rerouting the message msgno to a transient data destination. The reroute indicator is passed by the message domain to the exit so that the exit program can check whether or not it is valid to reroute a particular message.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMEIN
DFHME0500 PLEASE ENTER A MESSAGE NUMBER.
Explanation: No search of the messages and codes file has been made because both the component ID and message number fields were blank when you pressed the ENTER key.
System Action: The transaction redisplay the main menu with this message.
User Response: Enter a valid message number or abend code.
Note: This message cannot be changed with the message editing utility.
Destination: Terminal End User
Module: DFHCMAC

DFHME0501 AN INVALID OPTION HAS BEEN ENTERED.
Explanation: A key other than F3 or ENTER has been pressed.
System Action: The transaction redisplay the main menu with this message.
User Response: Enter a valid message number or abend code and press ENTER, or press a valid function key.
Note: This message cannot be changed with the message editing utility.
Destination: Terminal End User
Module: DFHCMAC

DFHME0502 THE CMAC FILE IS DISABLED.
Explanation: The CMAC file is disabled for one of these reasons:
- The file was initially defined as disabled and has not been enabled
- The file has been disabled by an EXEC CICS SET command or by the CEMT transaction.
System Action: The transaction redisplay the main menu with this message.
User Response: If the CMAC file was defined as disabled, use the CEMT transaction to enable the file.
If the CMAC file has been disabled, determine the reason. It might have been disabled for maintenance or update.
Note: This message cannot be changed with the message editing utility.
Destination: Terminal End User
Module: DFHCMAC

DFHME0503 THE CMAC FILE CANNOT BE FOUND IN THE FCT.
Explanation: The CMAC file cannot be found in the file control table (FCT).
System Action: The transaction redisplay the main menu with this message.
User Response: Check that the CMAC file has been defined and installed. See the CICS Transaction Server for OS/390 Installation Guide for guidance.
Note: This message cannot be changed with the message editing utility.
Destination: Terminal End User
Module: DFHCMAC

DFHME0504 RESOURCE SECURITY CHECK FAILED ON CMAC FILE.
Explanation: The resource security check has failed.
System Action: The transaction redisplay the main menu with this message.
User Response: Ensure that the resource security class is correct.
Note: This message cannot be changed with the message editing utility.
Destination: Terminal End User
Module: DFHCMAC

DFHME0505 THE CMAC FILE IS CLOSED OR UNENABLED.
Explanation: One of the following has occurred:
- The requested file is CLOSED and UNENABLED. The CLOSED, UNENABLED state is reached after a close request has been received against an OPEN ENABLED file and the file is no longer in use. This state can be specified as the initial state by means of the FILSTAT parameter of the DFHFCT TYPE=FILE control table macro, or by defining a file using the RDO options STATUS = UNENABLED and OPENTIME = FIRSTREF.
- The requested file is OPEN and UNENABLED and in use by other transactions, but a close request against the file has been received.
System Action: The transaction redisplay the main menu with this message.
User Response: Use the CEMT transaction to ensure that the CMAC file is in the OPEN ENABLED state.
Note: This message cannot be changed with the message editing utility.
Destination: Terminal End User
Module: DFHCMAC

DFHME0506 REQUESTED MESSAGE NUMBER/ABEND CODE NOT FOUND
Explanation: The attempt to retrieve the specified message number or abend code has been unsuccessful.
System Action: The transaction redisplay the main menu with this message.
User Response: Ensure that the correct message number or abend code has been entered.
If no message numbers or abend codes appear to be valid, check that the correct DSName has been specified on the CMAC file definition.
Note: This message cannot be changed with the message editing utility.
Destination: Terminal End User
Module: DFHCMAC
DFHME0507 CHECK THAT THE CORRECT DSNAME IS BEING USED.

Explanation: An attempt to retrieve a record from the CMAC data set has been unsuccessful because the CMAC DSName is incorrectly specified.

System Action: The transaction redisplays the main menu with this message.

User Response: Ensure that the correct DSName has been specified on the CMAC file definition.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0508 THE CMAC TRANSACTION IS INVALID FOR THE CONSOLE.

Explanation: You have tried to invoke the CMAC transaction from a CONSOLE. This is not permitted.

System Action: The CMAC transaction ends with this message.

User Response: Ensure that CMAC is invoked from a terminal that is not being used as a CONSOLE.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME9993I UNABLE TO DETERMINE LENGTH OF MESSAGE msgno - response reason

Explanation: The message DFHmsgno could not be found by the message (ME) domain in the message tables.

System Action: CICS continues.

User Response: If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGPMEM

DFHME9994I UNABLE TO RETRIEVE MESSAGE msgno - response reason

Explanation: The message DFHmsgno could not be retrieved by the message generation process from the DFHMGT table entry for this message set.

System Action: CICS continues but the message in error cannot be issued.

User Response: Ensure that an entry exists for the message number in the appropriate DFHMGT tables.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGPMEM

DFHME9995I MESSAGE PARAMETER LIST ERROR - CHECK PLIST

Explanation: The parameter list for the message generation process is not valid.

System Action: CICS continues but the message in error cannot be issued.

User Response: Ensure that the DFHMGT entry for the message has been built correctly.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGPMEM

DFHME9996I MESSAGE FIND ERROR - CHECK THE MESSAGE MODULE

Explanation: The message being issued could not be found by the message generation process in the DFHMGT table entry for this message set.

System Action: CICS continues but the message in error cannot be issued.

User Response: Ensure that an entry exists for the message number in the appropriate DFHMGT tables.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGPMEM

DFHME9998I MESSAGE NUMBERS GREATER THAN 9999 ARE INVALID

Explanation: The message being issued has a message number greater than 9999. Message numbers should be in the range 1 through 9999.

System Action: CICS continues but the message in error cannot be issued.

User Response: Redefine the message number.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGPMEM

DFHME9999I THE MESSAGE INDEX MODULE 'DFHMGT' IS MISSING

Explanation: The message generation process cannot find an index module in the DFHMGT table for the message it is trying to issue. This can occur where a message defined as being destined for either a console or a TDQ is being issued as a terminal end user message.

System Action: CICS continues but the message in error cannot be issued.

User Response: Ensure that the destination is correct for the message being issued.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGPMEM
Chapter 1. DFH messages

DFHMNxxxx messages

DFHMN0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abend or program check has occurred in module modname. This implies an error in CICS code. Alternatively, it is possible that unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the OS/390 MVS System Codes manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning a user response.

If module modname is not crucial to the running of your CICS system, you have the option to continue to run and to bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNNT, DFHMNSR, DFHMNST, DFHMNSU, DFHMNTI, DFHMNUUE, DFHMNXM

XMEOUT Parameters: applid, X'code', modname

DFHMN0003 applid Insufficient storage to satisfy Getmain (code X'code') in module modname.

Explanation: A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table (code code in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error.

If DFHMNDM issues this message, CICS terminates, even if you have specified in the dump table that CICS should not terminate.

If DFHMNMN, DFHMNST or DFHMNXM issues this message, an exception trace and a system dump is taken and CICS continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNNT, DFHMNXM

DFHMN0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System Action: An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module module you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNNT, DFHMNSR, DFHMNST, DFHMNSU, DFHMNTI, DFHMNUUE, DFHMNXM

XMEOUT Parameters: applid, X'offset', modname

DFHMN0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System Action: An exception entry (code code in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module module you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNNT, DFHMNSR, DFHMNST, DFHMNSU, DFHMNTI, DFHMNUUE, DFHMNXM

XMEOUT Parameters: applid, X'offset', modname

DFHMN0003 applid Insufficient storage to satisfy Getmain (code X'code') in module modname.

Explanation: A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table (code code in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error.

If DFHMNDM issues this message, CICS terminates, even if you have specified in the dump table that CICS should not terminate.

If DFHMNMN, DFHMNST or DFHMNXM issues this message, an exception trace and a system dump is taken and CICS continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNNT, DFHMNXM
XMEOUT Parameters: applid, X'code', modname

**DFHMN0004** applid A possible loop has been detected at offset X'offset' in module modname.

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System Action:** An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHMNDM, DFHMNNM, DFHMNST, DFHMNU, DFHMNXM

**XMEOUT Parameters:** applid, X'modname', X'code'

---

**DFHMN0005** applid A hardware error has occurred (module modname, code X'code'). The Time-of-Day clock is invalid.

**Explanation:** A hardware error has occurred during the running of module modname. The MVS Store Clock facility is the timing mechanism for the operating system. The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

**System Action:** An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHMNDM, DFHMNNM, DFHMNST, DFHMNU, DFHMNXM

**XMEOUT Parameters:** applid, modname, X'code'

---

**DFHMN0010** applid SMF return code X're'.

**Explanation:** The monitoring domain authorized services routine issued a SMFEWRT macro to write a record to the MVS system management facilities (SMF) data set and encountered a non-zero return code.

**System Action:** The request is ignored and the SMF record is lost. An exception entry is made in the trace table. CICS operation continues.

If the same error condition occurs continuously, the error messages are suppressed but tracing continues. The message is reissued if a different error condition occurs or if a zero return code has been received since the message was last issued.

**User Response:** Consult the OS/390 MVS System Programming Library: System Management Facilities (SMF) manual for a detailed explanation of the return codes.

**Destination:** Console

**Module:** DFHMNSU

**XMEOUT Parameters:** applid, X're'

---

**DFHMN0012** applid SYSEVENT error - SYSEVENT return code X're'.

**Explanation:** The monitoring domain authorized services routine issued a SYSEVENT macro to notify the MVS System Resource Manager (SRM) that a subsystem transaction had been completed and had encountered a nonzero return code.

**System Action:** The request is ignored and the SYSEVENT data is lost. An exception entry is made in the CICS trace table. CICS operation continues.

If the same error condition occurs continuously, the error messages are suppressed but tracing continues. The message is reissued if a different error condition occurs or if a zero return code has been received since the message was last issued.

**User Response:** See the OS/390 MVS Programming: Authorized Assembler Services Reference for an explanation of the return codes.

**Destination:** Console

**Module:** DFHMNSU

**XMEOUT Parameters:** applid, X're'
XMEOUT Parameters:

**Destination:**
- If the suffix is incorrect and PARMERR=INTERACT is specified, the operator is prompted to enter an alternative suffix.
- If the suffix is incorrect and PARMERR=IGNORE is specified, the named monitoring control table.
- An incorrect suffix has been used at startup.

Ensure that the suffix specified is correct and that a library described in the DFHRPL DD statement contains a copy of the named monitoring control table.

If the suffix is incorrect and PARMERR=INTERACT is specified, the operator is prompted to enter an alternative suffix.

If the suffix is incorrect and PARMERR=IGNORE is specified, the monitoring domain uses the default monitoring control table.

If the monitoring control table is missing or misspelled and you want to reinstall it, CICS must be terminated. Reassemble the monitoring control table into the relevant library.

**Destination:** Console

**Module:** DFHMNSR

**XMEOUT Parameter:** applid, xx

---

DFHMN0104 **applid** Monitoring Control Table with suffix 'xx' required for restart not found.

**Explanation:** The monitoring domain has determined the monitoring control table suffix xx from the last CICS execution, but was unable to locate the monitoring control table in the library described by the DFHRPL DD statement and no override suffix has been specified.

Subsequent executions of CICS will continue to use the suffix specified in the message until it is changed in the SIT.

**System Action:** Initialization continues with the monitoring domain using the default monitoring control table.

**User Response:** Ensure that a library described in the DFHRPL DD statement contains a copy of the named monitoring control table. If the monitoring control table is missing, it must have been deleted. If you want to reinstall the table, CICS must be terminated. Reassemble the monitoring control table into the relevant library.

**Destination:** Console

**Module:** DFHMNDM

**XMEOUT Parameter:** applid, xx

---

DFHMN0105 **applid** Using default Monitoring Control Table.

**Explanation:** The monitoring domain is initializing with default monitoring control table settings. This occurs:

1. If the user has specified MCT=NO, or
2. Following message DFHMN0104, or
3. After message DFHMN0103 or DFHMN0106 has been issued, but no corrective action has been taken.

**System Action:** System initialization continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHMNDM

**XMEOUT Parameter:** applid

---

DFHMN0106 **applid** Unable to read the catalog record for the Monitoring Domain.

**Explanation:** The monitoring domain has attempted to re-establish the status of the monitoring classes and the monitoring control table suffix under which it was running during the last execution of CICS. But it was unable to successfully read the record from the global catalog.

**System Action:** An exception entry is made in the trace table. System initialization continues with the supplied system initialization parameters.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Investigate the cause of the error using any dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.

If the problem has been caused by an invalid data length, there will be an exception trace entry in the trace table.

**Destination:** Console

**Module:** DFHMNDM

**XMEOUT Parameter:** applid

---

DFHMN0107 **applid** Unable to update the catalog record for the Monitoring Domain.

**Explanation:** The monitoring domain has attempted to update either the status of the monitoring classes or the monitoring control table suffix in the CICS global catalog, but was unable to successfully complete the request.

**System Action:** An exception entry is made in the trace table, and CICS operation continues with the updated values. Since the updates are not saved across a restart, the subsequent execution of CICS will restart with values recorded before the updates were applied.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Investigate the cause of the error using any dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.
If the problem has been caused by an invalid data length, there is an exception trace entry in the trace table.

**Destination:** Console
**Module:** DFHMNISU
**XMEOUT Parameter:** applid

DFHMN0108I applid Using Monitoring Control Table suffix ‘xx’.

**Explanation:** The monitoring control table with the suffix xx is used for this CICS run.

**System Action:** Processing continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGVRL=0.

**Destination:** Console
**Module:** DFHMNISD
**XMEOUT Parameter:** applid, xx

DFHMN0109I applid CICS Monitoring is active.

**Explanation:** The CICS monitoring facility is currently active for this run of CICS.

**System Action:** Processing continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGVRL=0.

**Destination:** Console
**Module:** DFHMNISD
**XMEOUT Parameter:** applid

DFHMN0110I applid CICS Monitoring is inactive.

**Explanation:** The CICS monitoring facility is currently inactive for this run of CICS.

**System Action:** Processing continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGVRL=0.

**Destination:** Console
**Module:** DFHMNISD
**XMEOUT Parameter:** applid

DFHMN0111 applid SYSEVENT retry unsuccessful, data lost: transid transid userid.

**Explanation:** The Monitoring Domain Authorized services routine issued a SYSEVENT macro to notify the MVS System Resource Manager (SRM) that a subsystem transaction had been completed, and had still encountered a return code of 8 after five retries.

**System Action:** The request is ignored, and the SYSEVENT data is lost.

**User Response:** Refer to the OS/390 MVS Initialization and Tuning manual or the OS/390 MVS Programming: Authorized Assembler Services Reference for a detailed explanation of the return codes.

**Destination:** Console
**Module:** DFHMNISU
**XMEOUT Parameters:** applid, transid, userid

DFHMN0201 S Invalid parameter. The equals sign is missing.

**Explanation:** A SYSIN parameter has been encountered that does not contain an equals sign. Equals signs are mandatory for every keyword supported by the monitoring dictionary utility.

**System Action:** The job step is terminated with a return code of 12.

**User Response:** Correct the SYSIN keyword that does not have an equals sign and resubmit the job. For further guidance on the syntax of DFHMNISD keywords, see the CICS Operations and Utilities Guide.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT
**Module:** DFHMNISD

DFHMN0202 S Invalid parameter. MCT incorrectly specified

**Explanation:** Following the equals sign of the MCT= keyword there must be a 2-character operand or a delimiter. Neither has been found. The 2-character operand is treated as the suffix for an MCT to load.

**System Action:** The job step is terminated with a return code of 12.

**User Response:** Correct the MCT= keyword with a valid operand or delimiter.

If you do not wish to have a dictionary record constructed from a particular MCT, you can use a default MCT image by specifying a blank or a comma after the equals sign, or by specifying MCT=NO.

For further guidance, see the CICS Operations and Utilities Guide.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT
**Module:** DFHMNISD

DFHMN0203 S Invalid parameter. SYSID must be four characters or less.

**Explanation:** A SYSID of greater than 4 characters, or a SYSID keyword without an operand has been specified.

**System Action:** The job step is terminated with a return code of 12.

**User Response:** Specify a valid SYSID of up to 4 characters. For further guidance, see the CICS Operations and Utilities Guide.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT
**Module:** DFHMNISD

DFHMN0204 S Invalid parameter. GAPPLID must be eight characters or less.

**Explanation:** A generic APPLID (GAPPLID) of greater than 8 characters, or a GAPPLID keyword without an operand has been specified.

**System Action:** The job step is terminated with a return code of 12.

**User Response:** Specify a valid GAPPLID of up to 8 characters. For further guidance, see the CICS Operations and Utilities Guide.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT
**Module:** DFHMNISD

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DFHMN0205 S Invalid parameter. SAPPLID must be eight characters or less.

Explanation: A specific APPLID (SAPPLID) of greater than 8 characters has been specified.

System Action: The job step is terminated with a return code of 12.

User Response: Specify a valid SAPPLID of up to 8 characters or allow the SAPPLID to default to the GAPPLID by not specifying SAPPLID. For further guidance, see the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

DFHMN0206 S Invalid parameter. DATE must be of format yyddd or yyyyddd.

Explanation: The date has been specified incorrectly. There are three possible reasons for this:
- The date specified is not in the correct format of yyddd or yyyyddd
- The date contains nonnumeric characters
- ‘ddd’ is not in the range 1 through 366.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that the date is in the format ‘yyddd’ or ‘yyyyddd’ and that the values are valid.

If you want DATE to default to the current date, do not specify this parameter. For further guidance, see the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

DFHMN0207 S Invalid parameter. TIME must be of format hhmmss.

Explanation: The time has been specified incorrectly. There are three possible reasons for this:
- More than 6 characters have been specified
- The value specified contains nonnumeric characters
- The hours (hh), minutes (mm), or seconds (ss) are outside of the valid range.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that the time specified is in the format ‘hhmmss’ and that the values are valid.

If you want TIME to default to the current time, do not specify this parameter. For further guidance, see the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

DFHMN0208 S Invalid parameter. Keyword is unknown.

Explanation: A SYSIN parameter has been processed and found to contain an unrecognized keyword.

System Action: The job step is terminated with a return code of 12.

User Response: Rename the unrecognized keyword. See the CICS Operations and Utilities Guide for a complete list of supported keywords. Also, ensure that there are no blanks preceding any of the keywords in the SYSIN data set.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

DFHMN0209 S No SYSIN parameters have been specified.

Explanation: There are no SYSIN parameters specified in the JCL.

System Action: The job step is terminated with a return code of 12.

User Response: Check the JCL for the existence of SYSIN parameters. If SYSIN does not exist or has no parameters, see the CICS Operations and Utilities Guide for guidance on coding DFHMNDUP parameters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

DFHMN0210 S applid Load for MCT has failed. MCT cannot be found. A dump will be provided.

Explanation: DFHMNDUP attempted to load ‘DFHMCTxx’ from STEPLIB, where ‘xx’ is the suffix provided via the MCT= keyword. This MCT was not found in the STEPLIB concatenation.

System Action: The job step is abended with a dump.

User Response: Ensure that the MCT suffix is correct and that the library that contains it is in the STEPLIB concatenation for the job step.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

DFHMN0211 S Getmain storage for control blocks has failed.

Explanation: An MVS GETMAIN for the utilities global storage has failed. There is not enough MVS storage below the line available in the region.

System Action: The job step is terminated with a return code of 12.

User Response: Increase the REGION= parameter of your JCL and try again. If this fails, consult your MVS system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

Chapter 1. DFH messages
DFHMN0212 S Getmain storage for output record has failed.

Explanation: An MVS GETMAIN for the 32KB record buffer storage has failed. There is not enough MVS storage below the line available in the region.

System Action: The job step is terminated with a return code of 12.

User Response: Increase the REGION= parameter of your JCL and try again. If this fails, consult your MVS system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

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DFHMN0213 S The MVS TIME macro has failed. There is a clock error.

Explanation: Because DATE and/or TIME have not been specified, DFHMNDUP has attempted to retrieve the current DATE and/or TIME from MVS using the TIME macro. The TIME macro has reported that the MVS clocks are damaged.

System Action: The job step is terminated with a return code of 12.

User Response: Inform your MVS system programmer of the failure.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

---

DFHMN0214 S Invalid parameter. Missing delimiter detected.

Explanation: DFHMNDUP parameter syntax requires keyword/operand pairs to be separated by a delimiter in the form of a comma or a blank space. A delimiter has been found missing from a keyword/operand.

System Action: The job step is terminated with a return code of 12.

User Response: If the SYSIN data set has been coded such that there are multiple parameters on one line, then ensure that there is one blank or one comma between each parameter. If the SYSIN data set has been coded such that there is only one parameter on a line, ensure that it is terminated with a blank or a comma. For further guidance on the syntax of DFHMNDUP parameters, see the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

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DFHMN0215 S Mandatory SYSIN parameter(s) missing.

Explanation: The two mandatory parameters are for the generic APPLID (GAPPLID) and the MVS system identifier (SYSID). These two parameters have not been specified and there are no defaults.

System Action: The job step is terminated with a return code of 12.

User Response: Specify the following:

- the generic APPLID of the CICS system that DFHMNDUP is going to produce a dictionary record for
- the MVS system identifier for the MVS system that produced the monitoring performance class records you are going to process.

For further guidance on the syntax of DFHMNDUP parameters, see the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

---

DFHMN0216 S Invalid parameter. JOBNAME must be eight characters or less.

Explanation: A JOBNAME has been specified with more than eight characters.

System Action: The job step is terminated with a return code of 12.

User Response: Specify a valid JOBNAME of up to eight characters. For further guidance, see the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

---

DFHMN0217 S Invalid parameter. JOBDATE must be of format yyyyddd or yyyyddd.

Explanation: The JOBDATE parameter has been specified incorrectly. There are three possible reasons for this:

- The date specified is not in the correct format of yyyyddd or yyyyddd
- Nonnumeric characters have been specified
- The number of days ‘ddd’ is not in the range 1 through 366.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that JOBDATE consists of valid characters in the format ‘yyyyddd’ or ‘yyyyyyyddd’.

If you want JOBDATE to default to the current date, do not specify this parameter. For further guidance, see the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

---

DFHMN0218 S Invalid parameter. JOBTIME must be of format hhmmss.

Explanation: The JOBTIME parameter has been specified incorrectly. There are three possible reasons for this:

- More than six characters have been specified
- Nonnumeric characters have been specified
- The hours (hh), minutes (mm), or seconds (ss) are outside of the valid range.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that JOBTIME consists of valid characters in the format ‘hhmmss’.

For further guidance on the syntax of DFHMNDUP parameters, see the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP
If you want JOBTIME to default to the current time, do not specify this parameter. For further guidance, see the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

DFHMN0219 S Invalid parameter. USERID must be eight characters or less.

Explanation: A USERID has been specified with more than eight characters.

System Action: The job step is terminated with a return code of 12.

User Response: Specify a valid USERID of up to eight characters. For further guidance, see the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMNDUP

DFHMN0220 DFHMNDUP CANNOT OPEN THE SYSPRINT FILE.

Explanation: The SYSPRINT file cannot be opened because the SYSPRINT DD statement is missing or incorrectly defined.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that the SYSPRINT DD statement has been correctly defined. For further guidance, see the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMNDUP

DFHMN0221 DFHMNDUP CANNOT OPEN THE SYSIN FILE.

Explanation: The SYSIN file cannot be opened because the SYSIN DD statement is missing or incorrectly defined.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that the SYSIN DD statement has been correctly defined. For further guidance, see the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHMNDUP

DFHMUxxxx Message editing utility messages

DFHMU0102 SOURCE DATA FILE NOT FOUND, OR RECORD FORMAT OR LENGTH NOT VALID.

Explanation: Either the input file has been deleted or has not been defined correctly.

System Action: Processing terminates.

User Response: Ensure the input file exists and has been defined as RECFM F LRECL 80.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0103 UNRECOGNIZED CONTROL WORD ON INPUT DATA RECORD.

Explanation: An unrecognized control word was encountered during processing. The line printed following this message contains the word in error.

System Action: Processing continues.

User Response: Correct or remove the incorrect control word.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0104 MISPLACED INPUT RECORD IN DATA SEQUENCE.

Explanation: An input record has been placed incorrectly. The record in error is printed after this message.

System Action: Processing continues.

User Response: Place the record in error in the correct position.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0105 PREMATURE END OF FILE REACHED IN 'SCANPARAMS' DATA SEQUENCE.

Explanation: End of file (EOF) was detected while processing the SCANPARAMS section of the message source (DFHMExxE) file.

System Action: Processing terminates.

User Response: Check the message source file for corruption and ensure that the SCANPARAMS section and subsequent message definitions have been completed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU
DFHMU0106  PREMATURE END OF FILE REACHED IN 'MEMBERLIST' DATA SEQUENCE.

Explanation: Processing of a link-edit (DFHMETxx) file has ended because of an unexpected end-of-file (EOF) condition in the MEMBERLIST section.

System Action: Processing terminates.

User Response: Correct and complete the MEMBERLIST section of the link-edit file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0110  MISPLACED RECORD IN 'SCANPARAMS' SEQUENCE.

Explanation: A record is not recognized as being part of the SCANPARAMS sequence. The record is printed after this message.

System Action: Processing terminates after the validation routine.

User Response: Reposition the incorrect parameter from the SCANPARAMS sequence in its correct position in the file. If the parameter is unknown, remove it from the file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0111  INCORRECT INPUT RECORD FOUND WHEN 'MEMBER' EXPECTED.

Explanation: The keyword encountered on the record being processed is invalid for the link-edit (DFHMETxx) files. The record is printed after this message.

System Action: Processing continues.

User Response: Correct or remove the invalid record.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0112  MISPLACED RECORD IN 'GLOBALS' SEQUENCE

Explanation: A keyword has been encountered that is not valid in theGLOBALS section of the message file. The record in error is printed after this message.

System Action: Processing continues.

User Response: Correct or remove the record containing the invalid keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0113  MISPLACED RECORD IN 'MSGDEF' SEQUENCE

Explanation: A record is out of sequence in the message definition. The record in error is printed after this message.

System Action: Processing continues.

User Response: Sequence the message definition records correctly.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU
DFHMU0114  NUMBER OF MEMBERS IN MEMBERLIST EXCEEDS MAXIMUM ALLOWED.
Explanation:  The maximum of 150 message members has been exceeded in the link-edit DFHMETxx module.
System Action:  Processing continues.
User Response:  Reduce the number of members in the MEMBERLIST section.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0115  MESSAGE msgno: TOO MANY SOURCE LINES.
Explanation:  The maximum of 80 non-null and non-comment source lines has been exceeded in message msgno.
System Action:  Processing continues.
User Response:  Reduce the number of source lines in message msgno.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0116  'MEMBER' RECORD IS NOT A VALID 2-CHARACTER MESSAGE COMPONENT IDENTIFIER.
Explanation:  The DFHMETxx member record printed after this message has an incorrect identifier.
System Action:  Processing continues.
User Response:  Ensure that all message component identifiers (MEMBER records) are correct.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0117  VALUE MISSING FOR KEYWORD ON GLOBAL OR PARAMETER RECORD.
Explanation:  The keyword on the record printed after this message requires a value.
System Action:  Processing continues.
User Response:  Enter the required value for the keyword.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0118  MESSAGE msgno: NO DATA DEFINED BETWEEN 'MSGDEF' AND 'ENDMSG'.
Explanation:  The message definition for message msgno is incomplete. Only the MSGDEF and ENDMSG records have been created.
System Action:  Processing continues.
User Response:  Complete or remove the definition of message msgno.

Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0119  MESSAGE msgno: INVALID KEYWORD FOUND ON 'MSGDEF' DATA RECORD.
Explanation:  A keyword specified on the MSGDEF record is not known to the system.
System Action:  Processing continues.
User Response:  Ensure that the spelling of the MSGDEF keywords is correct.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0120  MESSAGE NUMBER IS MISSING OR NOT A VALID 4-DIGIT NUMBER.
Explanation:  A message number is missing or does not consist of 4 digits.
System Action:  Processing continues.
User Response:  Specify a valid 4-digit message number after the MSGNO keyword.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0121  MESSAGE msgno: DESTINATION NAME MISSING FROM 'DEST' RECORD.
Explanation:  The destination identifier is missing from the DEST keyword in message msgno.
System Action:  Processing continues.
User Response:  Specify a valid destination identifier.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0122  MESSAGE msgno: NO DELIMITERS FOUND FOR TEXT STRING.
Explanation:  Opening and closing delimiters are missing from a text string in message msgno. The text string is printed after this message.
System Action:  Processing continues.
User Response:  Ensure all text strings are enclosed in delimiters.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU
DFHMU0123 MESSAGE msgno: AN OPENING OR CLOSING DELIMITER IS MISSING FROM A TEXT STRING.

Explanation: An opening or closing delimiter is missing from a text string in message msgno. The text string is printed after this message.

System Action: Processing continues.

User Response: Ensure that all text strings are enclosed in delimiters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0124 MESSAGE msgno: SUFFIX FOR 'INS#nn', 'REPLY#nn' OR 'VALUE#nn' IS INCORRECT. 'nn' MUST BE IN RANGE 1 TO 10.

Explanation: A maximum of 10 inserts is permitted for each message definition. The insert number nn in INS#nn, REPLY#nn, or VALUE#nn in message msgno has been mistyped or exceeds the maximum value.

System Action: Processing continues.

User Response: Correct the insert number.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0125 MESSAGE msgno: INSERT DATA RECORD HAS 'FORMAT' KEYWORD MISPLACED OR MISSPELLED.

Explanation: The FORMAT keyword for the record that defines an insert has either been misplaced or misspelled. FORMAT must always be the first keyword of the insert definition. The incorrect record is printed after this message.

System Action: Processing continues.

User Response: Correct the spelling or position of the FORMAT keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0126 MESSAGE msgno: INVALID FORMAT TYPE. FORMAT MUST BE CHAR, HEX, DEC, TIME, OR DATE.

Explanation: The format type which is specified after the FORMAT keyword for message msgno is not valid. The FORMAT record at fault is printed after this message.

System Action: Processing continues.

User Response: Specify CHAR, HEX, DEC, TIME, or DATE after the FORMAT keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0127 MESSAGE msgno: 'FORMAT' OPERAND IS INCOMPLETE. 'FORMAT' MUST BE CHAR, HEX, DEC, TIME, OR DATE.

Explanation: The FORMAT record in message msgno is incomplete. The record at fault is printed after this message.

System Action: Processing continues.

User Response: Complete the FORMAT record details.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0128 MESSAGE msgno: VALUE#nn KEYWORD INCORRECT OR MISSING ON INS#nn DATA RECORD.

Explanation: The keyword VALUE has been misspelled or is missing on the INSERT record of message msgno. The record at fault is printed after this message.

System Action: Processing continues.

User Response: Correct the record.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0129 MESSAGE msgno: INVALID KEYWORD keyword ON 'SPECIAL_INSERT/TIMESTAMP' CARD.

Explanation: An invalid keyword keyword follows the TIME special insert record.

System Action: Processing continues.

User Response: Correct or remove the invalid keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0130 MESSAGE msgno: INTERNAL LOGIC ERROR CONVERTING FULLWORD TO CHARACTER FORMAT.

Explanation: The value of the message number being processed is greater than 9999. This is an internal error caused by the corruption of DFHMEU.

System Action: Processing terminates.

User Response: Restore DFHMEU and retry the process. If the process fails again, you will need further assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU
DFHMU0131  MESSAGE  msgno: DESTINATION IS NOT VALID.
Explanation:  The destination for message msgno is not recognized.
System Action:  Processing terminates at the end of the validation routine.
User Response:  Specify a valid message destination after the DEST keyword for message 'msgno'.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0132  MESSAGE  msgno: ONE OR MORE SHIFT-OUT OR SHIFT-IN SYMBOLS MISPLACED OR MISSING.
Explanation:  One or more Shift-Out or Shift-In symbols have not been found in the double-byte character set (DBCS) message msgno.
System Action:  Processing continues.
User Response:  Ensure all text strings in DBCS messages are surrounded by Shift-Out and Shift-In symbols.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0133  INVALID VALUE FOR GLOBAL FORMAT DEFINITION.
Explanation:  The value listed for the keyword on the record printed after this message is not valid.
System Action:  Processing continues.
User Response:  Correct the keyword value.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0134  MESSAGE  msgno IS OUT OF SEQUENCE IN SOURCE FILE.
Explanation:  The definition of message msgno is out of sequence in the message file.  Message definitions must be positioned in ascending order of their message numbers.
System Action:  Processing continues.
User Response:  Move the definition of message msgno to its correct position in the source file.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0135  MESSAGE  msgno: DUPLICATE MESSAGE NUMBER IN SOURCE FILE.
Explanation:  The message msgno has already been defined in the message file.
System Action:  Processing continues.
User Response:  Remove the duplicate message definition or reassign with a unique message number.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

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DFHMU0139  MESSAGE  msgno: INVALID SYMPTOM ARGUMENT: INS# | SPECIAL_INSERT | TEXT STRING.
Explanation:  The argument specified for the SYMPTOM keyword printed after this message is not valid.
System Action:  Processing continues.
User Response:  Correct the SYMPTOM keyword argument for message msgno.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0140  MESSAGE  msgno: UNDEFINED INSERT IN SYMPTOM OR EXIT RECORD.
Explanation:  The insert number specified on the SYMPTOM or EXIT record printed after this message has not been defined in the message definition.
System Action:  Processing continues.
User Response:  Correct the SYMPTOM or EXIT keyword insert.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0141  MESSAGE  msgno: SYMPTOM DATA ARGUMENT IS NOT VALID.
Explanation:  The argument specified for the SYMPTOM keyword shown following this message is incorrect for this symptom.
System Action:  Processing continues.
User Response:  Ensure that the specified argument is the correct one for the SYMPTOM keyword.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0142  MESSAGE  msgno: SPECIAL INSERT IS NOT VALID AS A SYMPTOM ARGUMENT.
Explanation:  The special insert specified as an argument to the SYMPTOM keyword for message msgno is not valid in the symptom string. The symptom record is printed after this message.
System Action:  Processing continues.
User Response:  Correct the symptom record.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0143  MESSAGE  msgno: TEXT SYMPTOM ARGUMENT CONTAINS INVALID CHARACTERS.
Explanation:  The text specified in the SYMPTOM argument contains one or more characters that are not allowed in IBM's RETAIN system.
System Action:  Processing continues.
User Response:  Ensure text arguments for SYMPTOM keywords contain only the following characters A to Z, 0 to 9, @, #, ¥, and &.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0144  MESSAGE  msgno: NO ROUTECODES SPECIFIED. DEFAULTING TO 2 AND 11.
Explanation:  The ROUTECODES keyword has been specified without any routecodes and has defaulted to routecodes 2 and 11.
System Action:  Processing continues.
User Response:  Accept the defaults or specify alternate valid routecodes.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0145  MESSAGE  msgno: INVALID DESTINATION KEYWORD. IT SHOULD BE x.
Explanation:  The system encountered an invalid destination keyword. The valid keyword should be x. The line in error is printed after this message.
System Action:  Processing continues.
User Response:  Correct the destination keyword.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU

DFHMU0146  MESSAGE  msgno: ROUTECODE x IS OUT OF RANGE. VALID RANGE IS >0 TO <=n.
Explanation:  An invalid value has been specified for a routecode.
System Action:  Processing continues.
User Response:  Correct the routecode value. The routecode should be greater than 0 and less than or equal to n.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHMEU
DFHMU0147 MESSAGE msgno: TRANSIENT DATA QUEUE qname IS NOT VALID.

Explanation: The destination transient data queue (TDQ) qname in message msgno is unknown to the system.
System Action: Processing continues.
User Response: Correct the TDQ name.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHMEU

DFHMU0148 MESSAGE msgno: THE VALUE $x$ IS NOT VALID. IT MUST BE NUMERIC.

Explanation: An EXIT parameter has been specified with a nonnumeric value.
System Action: Processing continues.
User Response: Ensure all EXIT parameters are defined with numeric values.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHMEU

DFHMU0149 MESSAGE msgno: INVALID ARGUMENT GIVEN FOR EXIT PARAMETER $n$.

Explanation: The insert argument specified on EXIT parameter $n$ is unknown.
System Action: Processing continues.
User Response: Specify a valid argument for the exit parameter $n$.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHMEU

DFHMU0150 MESSAGE msgno: EXIT PARAMETER $n$ SPECIFIES AN INSERT NOT IN THE MESSAGE DEFINITION.

Explanation: The EXIT parameter $n$ has specified an insert which does not exist in the definition template of message msgno.
System Action: Processing continues.
User Response: Specify only existing inserts for the EXIT parameters.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHMEU

DFHMU0151 MESSAGE msgno: NO EXIT PARAMETERS HAVE BEEN SPECIFIED.

Explanation: No EXIT parameters have been specified for this message. These are required because the message contains inserts.
System Action: Processing continues.
User Response: Add user exit information to the message definition.

Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHMEU

DFHMU0152 MESSAGE msgno: EXIT PARAMETER $n$ IS MISSING.

Explanation: The EXIT parameter for insert $n$ is missing.
System Action: Processing continues.
User Response: Insert the missing EXIT parameter.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHMEU

DFHMU0153 MESSAGE msgno: EXIT PARAMETER NUMBER IS NOT VALID. IT MUST BE GREATER THAN ZERO.

Explanation: An EXIT parameter number was defined with a number of zero. These parameter numbers should start from 1.
System Action: Processing continues.
User Response: Renumber the EXIT parameters correctly.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHMEU

DFHMU0154 MESSAGE msgno: INSERT $n$ DOES NOT HAVE AN EXIT PARAMETER.

Explanation: A mismatch was found between the number of inserts and the user exit parameters defined for this message. There must be an EXIT parameter defined for each message insert.
System Action: Processing continues.
User Response: Correct the user exit parameters defined for this message.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHMEU

DFHMU0155 MESSAGE msgno: QUEUE NAME MISSING FROM TDQ DESTINATION.

Explanation: Message msgno has a transient data queue (TDQ) destination type but no TDQ name has been specified.
System Action: Processing continues.
User Response: Enter a valid TDQ name.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHMEU
DFHMU0156  MESSAGE msgno: 'QUEUES' KEYWORD IS MISSING.

Explanation: The TDQ destination QUEUES keyword has been omitted from the definition of message msgno.

System Action: Processing continues.

User Response: Specify the QUEUES keyword and a valid TDQ name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0157  MESSAGE msgno: KEYWORD keyword HAS ALREADY BEEN SPECIFIED.

Explanation: The destination keyword keyword has already been specified for message msgno.

System Action: Processing continues.

User Response: Remove the duplicate entry or merge the destinations with the previous destination definition for this message.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0158  MESSAGE msgno: TOO MANY INSERTS ON SPECIAL INSERT LINE.

Explanation: More than four special inserts have been specified on one line.

System Action: Processing continues.

User Response: If you need more than four special inserts, create another SPECIAL_INSERT line with the extra inserts.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0159  MESSAGE msgno DESTINATION destid: TDQ NAME OR ROUTE CODE destname IS REPEATED.

Explanation: The destination destid, (either console or TDQ), has a duplicate destname entry. The destname is a route code if destid is console, or a transient data queue name if destid is TDQ.

System Action: Processing continues.

User Response: Correct the destination information for this message by removing the duplicate entry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0160  MESSAGE msgno: INSERT n HAS ALREADY BEEN SPECIFIED.

Explanation: The insert n has been repeated in the definition of the exit parameters. There should only be one exit parameter per insert.

System Action: Processing continues.

User Response: Correct the insert definition in the exit parameter section of message msgno.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0162 'MEXDEF' KEYWORD IS MISSING OR MISPLACED.

Explanation: The MEXDEF keyword is either missing or in the wrong place. This keyword signifies the start of the user exit parameters definition section. It should appear after the definition of the message text and before the ENDMSG keyword.

System Action: Processing continues.

User Response: Ensure the MEXDEF keyword is present and in the correct place.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0163 MESSAGE msgno: 'MEXDEF' IS SPECIFIED BUT NO INSERTS EXIST IN THE MESSAGE DEFINITION.

Explanation: The MEXDEF keyword has been included in the definition of message msgno but there are no inserts defined for it. MEXDEF indicates the start of the user exit parameter definition section, and user exit parameters are only needed when a message contains inserts.

System Action: Processing continues.

User Response: Remove the MEXDEF keyword or ensure that message inserts have not been omitted from the message template.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU

DFHMU0165 MESSAGE msgno: 'MEXDEF' SPECIFIED FOR A MESSAGE THAT IS NEITHER CONSOLE NOR TDQ.

Explanation: A MEXDEF record has been included in a message definition when the output destination is not Console or TDQ. The MEXDEF record implies that the message is available for the message user exit. Only messages to a console or TDQ destination can go through the message user exit.

System Action: Processing continues.

User Response: Either remove the MEXDEF record or change the message destination.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHMEU
**DFHMU0166** MESSAGE: msgno: USER EXIT DATA SPECIFIED FOR A BOOKONLY OR OFFLINE MESSAGE.

**Explanation:** User exit parameters have been specified for message msgno which is not produced by the message domain because it is a bookonly or offline message. This message does not need user exit parameters as it is not available for the message user exit.

**System Action:** Processing continues.

**User Response:** Ensure that message msgno has been correctly defined as bookonly or offline. If it has, remove the user exit parameters.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHMEU

**DFHMU0171** MESSAGE: msgno: RESP2 VALUE IS TOO LONG. THE MAXIMUM IS 4 DIGITS.

**Explanation:** Message msgno is being defined with an associated RESP2 value that will be returned as EIBRESP2 by the CICS command that issues the message. The value specified for RESP2 exceeds the maximum length of four decimal digits.

**System Action:** Processing continues.

**User Response:** Ensure that the RESP2 value is correct.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHMEU

**DFHMU0167** MESSAGE: msgno: 'ROUTECODES' OR 'QUEUES' KEYWORD IS OUT OF SEQUENCE.

**Explanation:** A ROUTECODES or QUEUES keyword is in the wrong position in the message definition template.

**System Action:** Processing continues.

**User Response:** Correct the keyword sequence. The ROUTECODES keyword should be on the DEST line after the CONSOLE keyword. The QUEUES keyword should be on the DEST line after the TDQ keyword.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHMEU

**DFHMU0999** INTERNAL LOGIC ERROR: NO MESSAGE FOR ERROR CODE code.

**Explanation:** The system attempted to display an error message that has not been defined in the internal message table.

**System Action:** Processing of the utility program terminates.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHMEU

**DFHMVxxxx messages**

**DFHMV0001E** SEVERE ERROR IN CICS SVC SERVICES DURING RESMGR EXIT CLEAN-UP PROCESSING, R15OUT = X'xxxxxxxxxxxx', R0OUT = X'xxxxxxxxxxxx',
R1OUT = X'xxxxxxxxxxxx', R15IN = X'xxxxxxxxxxxx', R0IN = X'xxxxxxxxxxxx', SVC NUMBER = X'x'.

**Explanation:** The CICS RESMGR exit stub has twice called the CICS SVC to perform clean-up for a particular functional area during normal or abnormal termination of a CICS TCB or address space. However, the SVC return code was nonzero both times. The message inserts identify the functional area concerned (R0IN), the SVC number, and the inputs and outputs.

**System Action:** CICS termination continues. Subsequently, other CICS regions might encounter severe errors in the functional area for which termination clean-up has failed.

**User Response:** Inform the system programmer. Keep any dumps, the system log, and the output from the failing job. If other CICS systems are being seriously degraded by persistent errors in the functional area affected, it is usually necessary to re-IPL MVS to correct the problem.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHMVRMS
DFHNCxxxx messages

DFHNC0101I Named counter server initialization is in progress.
Explanation: The named counter sequence number server program has started execution.
System Action: Initialization continues.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNCMN

DFHNC0102I Named counter server for pool poolname is now active.
Explanation: The named counter sequence number server for the named pool has completed initialization and is now ready to accept connections.
System Action: The server waits for connection requests or operator commands.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNCMN

DFHNC0103I Named counter server initialization failed because the POOLNAME parameter was not specified.
Explanation: The named counter sequence number server program needs to know the name of the associated named counter pool in order to complete initialization, but no pool name was specified in the SYSIN or PARM field parameters.
System Action: The server is terminated.
User Response: Ensure that the parameter "POOLNAME=name" is specified either in the SYSIN parameters or in the PARM field of the JCL for the server.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNCMN

DFHNC0104I Named counter server initialization failed because program DFHNCMN is not APF authorized.
Explanation: The named counter sequence number server main program DFHNCMN cannot complete initialization because it is not running with APF authorization.
System Action: The server is terminated.
User Response: Ensure that the named counter sequence number server program DFHNCMN is loaded from an APF authorized library and has been link-edited with the option AC(1).
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNCMN

DFHNC0111I Named counter server for pool poolname is terminating.
Explanation: The named counter sequence number server has started termination processing, so no further requests will be processed.
System Action: Termination continues.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNCMN

DFHNC0112I Named counter server has terminated, return code retcode, reason code rsncode.
Explanation: The named counter sequence number server has completed termination processing. For normal termination, the return code and reason code are both zero. If the termination was caused by an error, the return code will be 8 and the reason code will be the number of the previous DFHNCnnnn message giving the reason for termination.
System Action: The named counter sequence number server program returns control (via the AXM termination routines) to MVS for job step termination.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNCMN

DFHNC0113I Named counter server completion code is cmpcode, reason code rsncode.
Explanation: The named counter sequence number server has terminated after intercepting an abnormal termination (ABEND) request. If the completion code is a system completion code, it is shown as three hexadecimal digits, otherwise it is shown as four decimal digits for a user completion code. Any associated reason code is shown as a four byte hexadecimal value, which will be zero if no reason code was provided.
System Action: The named counter sequence number server program returns control (via the AXM termination routines) to MVS for job step termination.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNCMN

DFHNC0114I Processing type parameters
Explanation: The named counter sequence number server parameter processing routine is interpreting the specified parameter string. The first word gives the type of parameter (SYSIN/PARM/SET/DISPLAY/PRINT) and the rest is the specified parameters optionally followed by descriptive comment text after one or more spaces. If the parameters start with an asterisk or a space, the whole line is taken as descriptive comments.
System Action: Any specified parameters will be processed.
User Response: None.
DFHNC0202

DFHNC0202 Unknown parameter keyword: keyword

Explanation: This parameter keyword did not match any of the defined parameter keywords for the named counter sequence number server.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNCPR

DFHNC0203 Value value for parameter keyword is incorrect. It must be a name of up to 8 characters.

Explanation: The value of this named counter sequence number server parameter should have been specified as a name containing not more than 8 characters.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNCPR

DFHNC0204 Value value for parameter keyword is incorrect. It must be a decimal number.

Explanation: The value of this named counter sequence number server parameter should have been specified as a decimal number but was not in a valid format. (Numeric parameters can optionally be followed by the letter K, M or G to denote the appropriate powers of 1024).

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNCPR

DFHNC0205 Value value for parameter keyword is greater than the maximum allowed value maximum.

Explanation: The value of this named counter sequence number server parameter exceeded the maximum allowed value, given in the message.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNCPR

DFHNC0206 Value value for parameter keyword is less than the minimum allowed value minimum.

Explanation: The value of this named counter sequence number server parameter was less than the minimum allowed value, given in the message.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNCPR

DFHNC0207 Value value for parameter keyword is incorrect. It should be a time hh:mm:ss or hh:mm or a number of seconds.

Explanation: The value of this named counter sequence number server parameter did not conform to the correct syntax for a time interval.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNCPR
DFHNC0208 Parameter keyword keyword is not supported for command.

Explanation: A named counter sequence number server parameter keyword was specified in a context where it is not valid, such as an attempt to SET a parameter which can only be specified at initialization time, or to specify at initialization time a parameter which is only valid on DISPLAY.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: If the error occurred at initialization, remove the incorrect parameter and restart the server. If it occurred on a server command, check that the command and parameter were correctly entered.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0209 Parameter text contains invalid character: text

Explanation: The named counter sequence number server parameter processing routine found some unexpected text when attempting to process parameters.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameters (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0210 Parameter keyword keyword should not have a value for command.

Explanation: A named counter sequence number server parameter keyword was specified in the form keyword=value in a context where it was not expected, for example on a DISPLAY command.

System Action: Processing of the current line of parameters is terminated.

User Response: Reenter the command without specifying a value for the parameter to be displayed.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0211 Parameter value: keyword=value

Explanation: This message is issued to show the current value of a named counter sequence number server parameter setting in response to a DISPLAY or PRINT command.

System Action: Processing continues normally.

User Response: None.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0212 Value value for parameter keyword is incorrect. It must be one of validlist.

Explanation: The value of this named counter sequence number server parameter was not recognized. It should have been specified as one of the indicated list of values.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0213 Value parameter keyword is missing. The correct form is keyword=value.

Explanation: A parameter keyword was specified without an associated parameter value on a named counter sequence number server SET command or in a SYSIN or PARM parameter string. Note that the only character which should appear between the parameter keyword and its intended value is the equals sign, without any extra spaces.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Reenter the parameter specification in the correct form keyword=value.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0301I Console operator consname issued command: command

Explanation: A named counter sequence number server operator command has been issued via the MVS MODIFY or STOP command. This message identifies the console name (or TSO userid) from which the command was issued and the text of the command.

System Action: Processing continues.

User Response: None.
Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHNCOP

DFHNC0302I command command ignored because no valid parameters were given.
Explanation: A named counter sequence number server command was issued which had no valid parameters on it but was otherwise syntactically valid. The command has had no effect.
System Action: Processing continues normally.
User Response: Ensure that the command was entered correctly.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNCOP

DFHNC0303I command command has been processed.
Explanation: A named counter sequence number server command has been processed successfully.
System Action: Processing continues.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNCOP

DFHNC0304I STOP command is waiting for connections to be closed. Number of active connections = connections.
Explanation: A named counter sequence number server STOP command has been issued (either via an MVS STOP command or via an MVS MODIFY command with the text STOP) but there are still active connections to the server, so the STOP command has not yet taken effect.
System Action: The server rejects any further attempts to establish new connections, but continues processing requests for existing connections. Each time a connection is terminated, this message will be repeated as long as there are more active connections.
User Response: Further information about the connections which are still active may be obtained using the command DISPLAY CONNECTIONS.
If the server needs to be shut down without waiting for connections to be closed, issue the server CANCEL command. Note that this will immediately terminate any active connections, causing any further requests for that server to be given a SYSIDERR indication. (The MVS CANCEL command can also be used, but should preferably be avoided because it will prevent the server from producing its normal closedown statistics and reports).
Note that if a CICS region is abnormally terminated while server connect or disconnect processing is in progress, or is terminated without going through end of task processing (for example using the FORCE command) there is a slight chance that the server will not be notified that the connection has been terminated. In this case the server will not be able to be closed down with the server STOP command, but only with the server CANCEL command.
Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNCOP

DFHNC0305I STOP command has been processed.
Explanation: Processing of a named counter sequence number server STOP command has now been successfully completed. This means that there are no longer any active connections and the server is ready to close down.
System Action: The named counter sequence number server starts termination processing.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNCOP

DFHNC0306 Named counter server does not support this command: command
Explanation: An operator command was addressed to the named counter sequence number server using the MVS MODIFY command, but the first word of the MODIFY parameter text is not a recognized server command (SET, DISPLAY, PRINT, STOP, CANCEL or an accepted abbreviation for one of these).
System Action: The command is ignored.
User Response: Correct and reenter the command.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNCOP

DFHNC0307I CANCEL command has been processed. Number of active connections = connections.
Explanation: A named counter sequence number server CANCEL command has been issued, either from an operator console or internally by the server in response to a severe error such as coupling facility failure. This message includes the number of active connections which may be affected by this command.
System Action: The server terminates immediately, without waiting to close connections.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNCOP

DFHNC0308 Named counter server does not support CICS commands. To close it down, you can use the STOP command.
Explanation: An operator command which appears to be a CICS command (a four-character transaction code of the form 'CExx') was addressed to the named counter sequence number server using the MVS MODIFY command.
System Action: The command is ignored.
User Response: Correct and reenter the command. If the intention is to close down the server, use the server STOP or CANCEL command.
Module: DFHNC0361

Explanation: This message shows counter details in response to the named counter sequence number server command.

DISPLAY COUNTER=name or PRINT COUNTER=name.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Current value</th>
<th>Minimum value</th>
<th>Maximum value</th>
</tr>
</thead>
<tbody>
<tr>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

Options: x y

System Action: Processing continues.

User Response: The output shows the current counter value, the minimum counter value that can be assigned and the maximum counter that can be assigned. If the maximum value has just been assigned, the counter will be at its limit value, which is one greater than the maximum value that can be assigned.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNC0364

Explanation: A counter name specified on the named counter sequence number server command DISPLAY COUNTER=name or PRINT COUNTER=name did not match any existing counter in the pool.

System Action: The command is ignored.

User Response: Ensure that the counter name was entered correctly, and that the command was addressed to the correct pool server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNC0365

Explanation: This indicates the number of matching named counters within the pool for which details were displayed in response to the named counter sequence number server command DISPLAY COUNTERS or PRINT COUNTERS where the counter name contained one or more wild card characters.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNC0401

Explanation: Connected to CF structure stname.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNC0404

Explanation: The named counter sequence number server has successfully established a connection to the coupling facility list structure for the named counter pool, using the IXLCONN macro.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.
DFHNC0402I CF structure strname was allocated by this connection.

Explanation: The named counter pool list structure did not previously exist and was allocated as part of the connection process.

System Action: List structure initialization will be performed if necessary.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

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DFHNC0403 Connection to CF structure strname failed, IXLCONN return code retcode, reason code rsncode.

Explanation: The IXLCONN macro to connect the named counter sequence number server to its pool list structure failed.

System Action: The named counter sequence number server is terminated.

User Response: See the documentation of the IXLCONN macro in OS/390 MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code. If the reason code is of the form $xxxx0C08, indicating structure allocation failure, this message will be followed by message DFHNC0409 giving the reason code for each coupling facility in which allocation was attempted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

---

DFHNC0404 CF structure strname cannot be used because it has been allocated with attribute attribute.

Explanation: The named counter sequence number server has successfully connected to its pool list structure but has found that the structure has been allocated using an IXLCONN structure attribute keyword which is not supported by the server.

System Action: The server is terminated.

User Response: This probably indicates that the structure has been allocated or modified by a program other than the named counter sequence number program. In this case, the incorrect structure should be deleted (using the MVS SETXCF FORCE command) so that it will be reallocated correctly when the server is restarted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

---

DFHNC0406 Initialization failed for CF structure strname with response response.

Explanation: The named counter sequence number server processing to initialize the pool list structure failed with an abnormal internal response code.

System Action: The server is terminated.

User Response: If the response code is 6 (I/O error), it indicates that an IXLLIST macro gave an abnormal return code, in which case a previous DFHNC0441 message will have been issued giving the IXLLIST return code and reason code. If this response code is any other value, this indicates that the list structure is in a state which should not occur, probably indicating that it was allocated or modified by a program other than the named counter sequence number server. In this case the structure may need to be deleted (using the MVS SETXCF FORCE command) so that it will be reallocated when the server is restarted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

---

DFHNC0407 CF structure strname is not available for shared use.

Explanation: The named counter sequence number pool is currently locked for exclusive use by some other job such as a pool unload or reload job. (This serialization uses an MVS ENQ with scope SYSTEMS, major name 'SYSZDFH' and minor name equal to the structure name, 'DFHNCLS_poolname').

System Action: The server is terminated.

User Response: Check whether a pool maintenance job is currently running. If it is, wait until it has finished before trying to start the server again. You can find out what jobs are currently using the pool using this MVS command:

```
DISPLAY GRS,RES=(SYSZDFH,’DFHNCLS_poolname’)
```

Note that for this command the pool name must be exactly eight characters, padded with trailing spaces if necessary.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

---

DFHNC0408 CF structure strname is not available for exclusive use.

Explanation: The current named counter sequence number unload or reload job requires exclusive use of the pool, but some other job is running which already has shared or exclusive use of the pool. (This serialization uses an MVS ENQ with scope SYSTEMS, major name 'SYSZDFH' and minor name equal to the structure name, 'DFHNCLS_poolname').

System Action: The server is terminated.

User Response: Check whether a named counter sequence number server or maintenance job is currently running. If it is, wait until it has finished before trying to run the current job again. You can find out what jobs are currently using the pool using this MVS command:

```
DISPLAY GRS,RES=(SYSZDFH,’DFHNCLS_poolname’)
```

Note that for this command the pool name must be exactly eight characters, padded with trailing spaces if necessary.
Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNC0409

DFHNC0409 CF structure strname could not be allocated in facility cfname, reason code rsncode.

Explanation: If a previous named counter sequence number server message DFHNC0403 indicated an IXLCONN failure because the structure could not be allocated, this message is issued for each coupling facility in which allocation was attempted to show the facility reason code indicating why structure allocation failed. If the reason code is known to the server, the name of the reason code is given (as defined in the MVS macro IXLYCONA, but without the 'ConaRsn' prefix), otherwise its decimal value is shown.

If the response indicates InvalidStructureSize, this means that the initial list structure size (specified on the server POOLSIZE parameter or in the CFRM policy INITSIZE parameter) is not large enough to contain the required structure control information. The size of the control information is affected by the maximum structure size specified in the CFRM policy.

System Action: The server is terminated.

User Response: If further details are required, see the descriptions of the reason codes in the source of the MVS macro IXLYCONA which maps the connect answer area.

If the response was InvalidStructureSize, increase the initial structure size specification in the server POOLSIZE parameter or in the CFRM policy INITSIZE parameter to ensure that there is enough space for data in addition to the structure control information. The maximum structure size specified in the CFRM policy is not unnecessarily large. See the CICS System Definition Guide for more information on how to estimate pool sizes.

Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNC0409

DFHNC0411 CF structure strname now has percentage% of entries in use.

Explanation: This message is issued by the named counter sequence number server when the percentage of list entries in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after a structure alter request has completed in order to show how the percentage has been affected by changes in the structure size. The percentage is calculated using information that is returned by successful coupling facility access requests, so if the message was triggered by structure alter completion and the current server has not processed any successful requests recently, the information may not be accurate.

System Action: The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing.

User Response: Note that the structure may soon become full, preventing new counters from being created. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately.

Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNC0411

DFHNC0417I Alter request completed normally for CF structure strname.

Explanation: The named counter sequence number server has been notified by the system that a structure alter request has completed normally.

System Action: New values for the structure size and number of entries are stored. This message is followed by message DFHNC0411 to indicate the new usage percentage.

User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNC0417I

DFHNC0418I Alter request ended abnormally for CF structure strname with status status.

Explanation: The named counter sequence number server has been notified by the system that a structure alter request has ended abnormally. The two bytes of status information in this message are taken from EEPLALTERENDSTATEFLAGS in the event exit parameter list (defined in the MVS macro IXLYEEPL).

System Action: No action is taken as a result of this notification, but any problem which caused the alter request to fail may result in other related problems.

User Response: If further information is required, look for MVS messages on the system log indicating the reason for the structure alter request failure. For further information about the status flags, see the source of the MVS macro IXLYEEPL.

Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNC0418I

DFHNC0419I Alter request ended normally for CF structure strname but target was not attained.

Explanation: The named counter sequence number server has been notified by the system that a structure alter request has ended normally but the target size was not attained.

System Action: New values for the structure size and number of entries are stored. This message is followed by message DFHNC0411 to indicate the new usage percentage.

User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console and SYSPRINT
Module: DFHNC0419I

400 CICS Messages and Codes
DFHNCCF

DFHNC0424 Connectivity has been lost to CF structure stname. The named counter server cannot continue.

Explanation: The named counter sequence number server has been notified by the system that connectivity has been lost to the coupling facility containing the pool list structure.

System Action: The server issues an internal CANCEL command to terminate itself immediately.

User Response: Restart the server when connectivity to the coupling facility from the current system has been reestablished. If connectivity is still available from other systems, CICS transactions which require access to the affected pool should be diverted to those systems if possible.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0425 CF structure stname has failed. The named counter server cannot continue.

Explanation: The named counter sequence number server has been notified by the system that the named counter pool list structure has been lost due to coupling facility structure failure. All named counters in the pool have been lost.

System Action: Each server for the affected pool issues an internal CANCEL command to terminate itself immediately.

User Response: If another coupling facility is available and included in the CFRM preference list for the failed structure, restart the servers to cause a fresh copy of the list structure to be allocated on the alternate coupling facility. If no other coupling facility is available, wait until the original coupling facility has been made available again before restarting the servers.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0431I Access statistics for CF structure stname:

Explanation: This message gives a summary of coupling facility access statistics. It is issued in response to a named counter sequence number server DISPLAY or PRINT command which includes the CFSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The statistics are described in detail in the DFHNC0424 Connectivity has been lost to CF structure stname. explanation.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Requests: Create Get Set Delete Inquire Browse</th>
<th>Responses: Asynch Normal Not fnd Vers chk List chk Str Full I/O err</th>
</tr>
</thead>
<tbody>
<tr>
<td>n n n n n n n n n n n n n n n n n n n n n n</td>
<td></td>
</tr>
</tbody>
</table>

System Action: Processing continues.

User Response: The statistics are described in detail in the DFHNC0440 Connectivity has been lost to CF structure stname. explanation.

The individual fields have the following meanings:

- **Structure:**
  - Size: Current allocated size of the list structure.
  - Max size: Maximum size to which this structure could be altered.

- **Entries:**
  - Total: Total entries in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).
  - In Use: Number of entries currently in use.
  - Max Used: Maximum number in use (since last reset).
  - Free: Number of entries currently free (total minus used).
  - Min Free: Minimum number of free entries (since last reset).

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF
DFHNC0441 CF structure strname request failed, IXLLIST return code retcode, reason code rsncode.

Explanation: A coupling facility access request issued by the named counter sequence number server using the IXLLIST macro gave an abnormal return code.

System Action: The failing request is given a return code indicating a coupling facility access error.

User Response: See the documentation of the IXLLIST macro in OS/390 MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNCCF

DFHNC0442 CF structure strname request failed, structure is full.

Explanation: A coupling facility access request issued by the named counter sequence number server using the IXLLIST macro failed because there is no free entry to create a new named counter.

System Action: The failing request is given a return code indicating that there is no space available in the pool. This message will not be issued for further failures until the number of entries in use has fallen well below the warning threshold.

User Response: Any named counters which are no longer in use should be deleted so that the space can be reused. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and any active servers will be able to use the increased space immediately. However, if this action is possible it should normally have been taken in response to earlier warning messages before the structure became full.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNCCF

DFHNC0451 Purge for CF structure strname failed, IXLPURGE return code retcode, reason code rsncode.

Explanation: A named counter sequence number access request was terminated abnormally and the server issued an IXLPURGE macro to ensure any active IXLLIST request was purged before releasing the I/O buffer, but the IXLPURGE macro gave a non-zero return code.

System Action: The error is ignored because this only occurs when a request is already being terminated abnormally.

User Response: See the documentation of the IXLPURGE macro in OS/390 MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNCCF

DFHNC0461I Disconnected from CF structure strname.

Explanation: The named counter sequence number server has successfully disconnected from the pool list structure (using the IXLDISC macro) during termination.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNCCF

DFHNC0462 Disconnect from CF structure strname failed, IXLDISC return code retcode, reason code rsncode.

Explanation: The IXLDISC macro to disconnect the named counter sequence number server from its pool list structure failed.

System Action: The error is ignored, as disconnection only occurs when the server is already terminating.

User Response: See the documentation of the IXLDISC macro in OS/390 MVS Programming: Sysplex Services Reference (GC28-1772) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHNCCF

DFHNC0601I Starting statistics collection for interval since lasttime.

Explanation: The named counter sequence number server is about to collect interval, end of day or closedown statistics. This message identifies the start of the time interval to which the statistics apply, which is either the time that the server was started up or the time of the last reset, which occurs whenever interval or end of day statistics are produced.

System Action: The server proceeds with statistics collection.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHNCCS

DFHNC0602I Statistics collection completed, reset performed.

Explanation: Named counter sequence number server statistics have been collected and counters have been reset. This occurs for interval or end of day statistics.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHNCCS

DFHNC0444I
DFHNC0603I Statistics collection completed.

Explanation: Named counter sequence number server statistics have been collected but counters have not been reset. This normally occurs at server closedown.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCNST

DFHNC0604 Timer SET failed, return code retcode, reason code rsncode.

Explanation: The statistics subtask in the named counter sequence number server tried to set up a timer wait interval but failed.

System Action: The interval statistics function is terminated with message DFHNC0606.

User Response: Check the return code and reason code. A return code of 4 indicates an attempt to set up more than one concurrent timer interval, which indicates a logic error in the server. The reason code in this case is the MVS STIMER module identifier for the existing timer interval. A return code of 8 indicates that the MVS STIMER macro failed, in which case the reason code indicates the return code received from STIMERM SET.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCNST

DFHNC0605 Timer CANCEL failed, return code retcode, reason code rsncode.

Explanation: The statistics subtask in the named counter sequence number server tried to cancel a timer wait interval but failed.

System Action: The interval statistics function is terminated with message DFHNC0606.

User Response: Check the return code and reason code. A return code of 4 indicates an attempt to cancel a nonexistent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMER macro failed, in which case the reason code indicates the return code received from STIMERM CANCEL.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCNST

DFHNC0606 Statistics collection function is no longer available.

Explanation: The statistics collection subtask in the named counter sequence number server was unable to continue processing and has terminated. The reason will have been indicated by an earlier message.

System Action: The interval statistics subtask terminates and no further interval statistics or end of day statistics will be produced for this run of the server.

User Response: See the earlier message indicating the reason for the termination of the subtask.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCNST

DFHNC0610I Statistics written to SMF, return code was retcode.

Explanation: Named counter sequence number server statistics have been sent to SMF. The return code from the SMFEWTM macro is indicated in this message. A non-zero return code usually indicates that SMF recording was suppressed because of current SMF options or an installation exit.

System Action: Processing continues.

User Response: If the return code is non-zero but SMF statistics were expected to be successfully written, see the documentation of the SMFEWTM macro in OS/390 MVS System Management Facilities (SMF) (GC28-1783) for more information about return codes.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCNST

DFHNC0701I Named counter pool poolname is to be unloaded.

Explanation: The named counter sequence number server program has been started with the UNLOAD option requesting that the named counter pool is unloaded to a sequential data set.

System Action: The server starts to process the unload request.

In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCUL

DFHNC0702I Named counter pool poolname has been successfully unloaded.

Explanation: The named counter pool has been unloaded successfully.

System Action: The server closes down normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCUL

DFHNC0703I Number of unloaded counters: counters. Blocks written: blocks.

Explanation: This message provides additional information about the results of the named counter pool unload process, giving the number of named counters which were unloaded and the number of 4K data blocks written to the unloaded named counter pool data set.

System Action: Server termination continues.
DFHNC0704

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCUL

DFHNC0704 DFHNCUL data set for unload could not be opened.

Explanation: The data set to contain the unloaded named counter pool could not be opened.

System Action: Unload processing is terminated and the server is closed down with message DFHNC0706.

User Response: Check that the DFHNCUL DD statement is present in the JCL for the unload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCUL

DFHNC0705 Unload access to CF structure strname failed with response response.

Explanation: The named counter pool unload process failed because of a problem with coupling facility access.

System Action: Unload processing is terminated and the server is closed down with message DFHNC0706.

User Response: If the response code is 6, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHNC0441 will have been issued. Any other response code indicates an internal logic error.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCUL

DFHNC0706 Unload for named counter pool poolname was unsuccessful.

Explanation: The named counter pool unload process failed. The reason will have been described in a previous message.

System Action: The server is terminated.

User Response: See the previous message giving the reason for the unload failure. Note that any unload data set produced in this case will be incomplete and will not be valid for reload purposes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCUL

DFHNC0801I Named counter pool poolname is to be reloaded.

Explanation: The named counter sequence number server program has been started with the RELOAD option requesting that the named counter pool is to be reloaded from a sequential data set produced using the UNLOAD option.

System Action: The server starts to process the reload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCUL

DFHNC0802I Named counter pool poolname has been successfully reloaded.

Explanation: The named counter pool has been reloaded successfully.

System Action: The server closes down normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRL


Explanation: This message provides additional information about the results of the named counter pool reload process. Named counters on the unloaded data set are bypassed during reload processing if they already exist in the pool (for example as a result of a previous reload which could not be completed due to lack of space).

System Action: Server termination processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRL

DFHNC0804 DFHNCRL data set for reload could not be opened.

Explanation: The data set containing the named counter pool to be reloaded could not be opened.

System Action: Reload processing is terminated and the server is closed down with message DFHNC0808.

User Response: Check that the DFHNCRL DD statement is present in the JCL for the reload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRL

DFHNC0805 Reload access to CF structure strname failed with response response.

Explanation: The named counter pool reload process failed because of a problem with coupling facility access.

System Action: Reload processing is terminated and the server is closed down with message DFHNC0808.

User Response: If the response code is 6, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHNC0441 will have been issued. Any other response code indicates an internal logic error.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHCNRCL

DFHC0806 Unexpected end of file encountered on reload data set.

Explanation: End of file was encountered on the data set containing the unloaded named counter pool before the logical end of the unloaded data was encountered.

System Action: Reload processing is terminated and the server is closed down with message DFHC0808.

User Response: This indicates that the unloaded data set is incomplete, perhaps because the unload process was abnormally terminated.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCNRCL

DFHC0807 Reload data set contains incorrect data near block offset.

Explanation: The named counter pool reload process failed because the unloaded pool data set is not in the correct format.

System Action: Reload processing is terminated and the server is closed down with message DFHC0808.

User Response: Check that the correct data set is being used and that the unload process completed normally.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCNRCL

DFHC0808 Reload for named counter pool poolname was unsuccessful.

Explanation: The named counter pool reload process could not be completed. The reason will have been described in a previous message.

System Action: The program is terminated.

User Response: See the previous message giving the reason for the reload failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCNRCL

DFHC0809 Reload for CF structure strname failed, structure is full.

Explanation: Named counter pool reload processing failed because there are insufficient free entries or elements to store the new data in the structure.

System Action: Reload processing is terminated and the server is closed down with message DFHC0808.

User Response: If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS SETXCF command with the START,ALTER option, and the reload job can then be run again as soon as the alter request completes, in which case it will skip over duplicate information which has already been successfully reloaded. If the structure is at its maximum size, use the MVS SETXCF FORCE command to delete the structure, then increase the SIZE and INITSIZE parameters in the current CTRM policy and activate the updated policy, and rerun the reload job. The approximate amount of information which could not be reloaded can be estimated by comparing the numbers of blocks read and named counters reloaded, as described by following message DFHC0803, with the corresponding numbers from message DFHC0703 in the unload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCNRCL

DFHC0911I R12=prv RQ Entry function Name=counter Job=region Task=task

Explanation: Named counter sequence number server request tracing is active and information from the NCRQ parameter list is being traced on entry to the request module DFHNCRQ.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCRL

DFHC0912I R12=prv RQ Exit response Name=counter Job=region Task=task

Explanation: Named counter sequence number server request tracing is active and information from the NCRQ parameter list is being traced on exit from the request module DFHNCRQ.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCRL

DFHC0913I R12=prv RQ parameter Hex=hex Dec=decimal

Explanation: Named counter sequence number server request tracing is active and a parameter or result value from the NCRQ parameter list is being traced in hexadecimal and decimal notation by the request module DFHNCRQ.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCRL
DFHNC0914I
| DFHNC0914I R12=prv RQ Options options | Explanation: Named counter sequence number server request tracing is active and an options parameter or result value from the NCRQ parameter list is being traced by the request module DFHNCRQ. |
| System Action: | Processing continues. |
| User Response: | This message is intended primarily for diagnostic use as advised by your IBM Support Center. |
| Note: | This message cannot be changed with the message editing utility. |
| Destination: | SYSPRINT |
| Module: | DFHNCCF |

DFHNC0941I R12=prv Entry request Name=counter R1=parmlist
| Explanation: Named counter sequence number server tracing of coupling facility accesses is active and information from the request interface parameter list is being traced on entry to the coupling facility interface module DFHNCCF. |
| - CF interface requests: |
| INI | Initialize server connection |
| CRE | Create counter |
| GET | Assign and increment counter |
| SET | Set counter to a new value |
| DEL | Delete counter |
| KEQ | Inquire on single counter |
| KGE | Inquire browse |
| System Action: | Processing continues. |
| User Response: | This message is intended primarily for diagnostic use as advised by your IBM Support Center. |
| Note: | This message cannot be changed with the message editing utility. |
| Destination: | SYSPRINT |
| Module: | DFHNCCF |

DFHNC0942I R12=prv CF IXLLIST REQUEST=request REASON=rsncode
| Explanation: Named counter sequence number server tracing for coupling facility accesses is active and the result from an IXLLIST macro is being traced. The information traced includes an abbreviation of the type of request being performed and the reason code returned by the macro. |
| System Action: | Processing continues. |
| User Response: | This message is intended primarily for diagnostic use as advised by your IBM Support Center. |
| Note: | This message cannot be changed with the message editing utility. |
| Destination: | SYSPRINT |
| Module: | DFHNCCF |

DFHNC0999I Trace text
| Explanation: This message is used by the named counter sequence number server for non-specific debugging traces in multiple modules, for use by service personnel. It should not appear in normal execution unless debugging traces were deliberately activated, or an internal logic error was encountered. |
| System Action: | Processing continues. |
| User Response: | This message is intended primarily for diagnostic use as advised by your IBM Support Center. |
| Note: | This message cannot be changed with the message editing utility. |
| Destination: | SYSPRINT |
| Module: | various |
DFHNQxxxx messages

DFHNQ0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This indicates that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual for further guidance.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHNQDM, DFHNQED, DFHNQIB, DFHNQNQ

XMEOUT Parameters: applid, X'code', modname

DFHNQ0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

System Action: An exception entry is made in the trace table.

A system dump is taken unless you have specifically suppressed the dump (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may be no an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that execution of module modname is terminated and CICS continues.

If you have specified ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If the runaway has occurred in module DFHNQIB, it is probably the result of a long-running UOWENQ browse. If there are many enqueues in the system (particularly if many are owned by the same task), CICS can take a long time to process the browse. This can be resolved by increasing the runaway interval associated with the task performing the browse. To do this change the RUNAWAY attribute of the associated transaction definition.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHNQDM, DFHNQED, DFHNQIB, DFHNQNQ

XMEOUT Parameters: applid, X'Offset', modname
DFHNQ0100

DFHNQ0101 date time applid ENQMODEL model has been installed.

Explanation: The ENQMODEL resource model has been installed on the local system.

System Action: The enqmodel is installed and CICS continues normally.

User Response: None required.

Destination: CSMT

Module: DFHNQED

XMEOUT Parameters: date, time, applid, model

DFHNQ0102 date time applid ENQMODEL model has been discarded.

Explanation: The ENQMODEL resource model has been discarded from the local system.

System Action: The enqmodel is discarded and CICS continues normally.

User Response: None required.

Destination: CSMT

Module: DFHNQRN

XMEOUT Parameters: date, time, applid, model

DFHNQ0103 date time applid The limit for the number of concurrent sysplex resource ENQ requests has been reached. Transaction tran detected return code X'code' from MVS ENQ.

Explanation: Code X'code' was returned by MVS when transaction tran attempted to Enqueue on a sysplex-wide resource. This indicates that the limit for the number of concurrent sysplex resource ENQ requests has been reached.

System Action: The task does not have control of the resource. The task issuing the EXEC ENQ request is abended ABCODE ANQC.

User Response: Retry the transaction one or more times. If the problem persists, consult your system programmer, who might be able to tune the system so that the limit is no longer exceeded.

Destination: CSMT

Module: DFHNQED

XMEOUT Parameters: date, time, applid, tran, X'code'

DFHNQ0104 applid MVS returned code X'code' when transaction tran attempted to enqueue on a sysplex-wide resource. This indicates that an unexpected environmental error has been detected.

Explanation: Code code was returned by MVS when transaction tran attempted to Enqueue on a sysplex-wide resource. This indicates that an unexpected environmental error has been detected.

System Action: The task does not have control of the resource. The task issuing the EXEC ENQ request is abended ABCODE ANQC.

User Response: Retry the transaction one or more times. If the problem persists, consult your system programmer.

Destination: Console

Module: DFHNQED

XMEOUT Parameters: applid, X'code', tran

DFHNQ0105 date time applid ENQMODEL model was either disabled or in the waiting state when transaction tran attempted to enqueue on a matching resource name.

Explanation: An EXEC ENQ has been issued on a resource for which the enqmodel is either disabled or in the waiting state.

System Action: The ENQ request is rejected, and the issuing task abended abcode ANQE ENQ_DISABLED.

User Response: To avoid multiple transaction abends, such transactions should be disabled before enabling the enqmodel.

Destination: CSMT

Module: DFHNQRN

XMEOUT Parameters: date, time, applid, model, tran

DFHNQ0106 date time applid ENQMODEL model has been replaced.

Explanation: The ENQMODEL resource model has been replaced on the local system.

System Action: The enqmodel is replaced and CICS continues normally.

User Response: None required.

Destination: CSMT

Module: DFHNQRN

XMEOUT Parameters: date, time, applid, model

DFHNQ0107 date time applid ENQMODEL model1 must be disabled before enabling ENQMODEL model2.

Explanation: An attempt to enable an enqmodel failed, because a less specific enqmodel is enabled. Enqmodels forming nested generic enqnames must be enabled in order, from the most to the least specific.

ENQMODEL model1 must be disabled before enabling ENQMODEL model2.

System Action: The enqmodel is not installed, but CICS continues normally.

User Response: Review the enqmodel definitions. If an enqmodel containing AB* is enabled, it must be disabled before enabling one with ABCD*. If enqmodels containing AB* and ABC* are installed, one must be discarded before installing an enqmodel with ABCD*.

Destination: CSMT

Module: DFHNQRN

XMEOUT Parameters: date, time, applid, model1, model2

DFHPAxxxx messages
DFHPA0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An unexpected program check or operating system abend with abend code aaa/bbbb occurred at offset X'offset' in module modname. This can be caused by corruption of CICS code or control blocks.

During initialization, CICS might not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: A system dump is taken unless specifically suppressed for this system abend code, and the system attempts to continue operation unless termination has been requested via the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the abend or program check using the dump, the abend code, the trace table, and any other diagnostic messages which may have been issued.

Destination: Console
Modules: DFHPAGP, DFHPADM, DFHPAIO
XMEOUT Parameters: applid, aaa/bbbb, X'offset', modname

DFHPA0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname.

The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHPADM
XMEOUT Parameters: applid, X'offset', modname

DFHPA0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing when the error was detected.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the CICS module identified in the message is terminated and CICS continues.

However, if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHPADM
XMEOUT Parameters: applid, X'offset', modname

DFHPA1100 applid OVERRIDE PARAMETERS FROM JCL EXEC STATEMENT: parm

Explanation: This message is displayed during CICS initialization to show the SIT overrides obtained from the PARM parameter of the JCL EXEC statement for the CICS job. If the parameter string parm contains 40 characters or less, it is shown on this message. Otherwise it is shown on a DFHPA1927 message following this message.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: System initialization continues.

User Response: None.
DFHPA1101

Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHPAIO

DFHPA1101 applid DFHSITxx IS BEING LOADED.
Explanation: This is an informational message displayed during CICS initialization.
xx, if present, represents the 1- or 2-character suffix for the SIT being used.
During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.
System Action: System initialization continues.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHPAIO

DFHPA1102 applid OVERRIDE PARAMETERS FROM SYSIN:
Explanation: This message is displayed during CICS initialization before displaying the SIT overrides obtained from the SYSIN data set. The message is followed by a series of DFHPA1927 messages that show the actual contents of the SYSIN records.
During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.
System Action: System initialization continues.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHPAIO

DFHPA1103 applid END OF FILE ON SYSIN.
Explanation: This is an informational message displayed when CICS has reached the end of the SYSIN data set.
During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.
System Action: System initialization continues.
User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHPAIO

DFHPA1104 applid SPECIFY ALTERNATIVE SIT PARAMETERS, IF ANY, AND THEN TYPE '.END'.
Explanation: If the word "CONSOLE" or "CN" was detected in either the parameter input stream on the EXEC statement of the CICS JCL, or in the SYSIN data set, then this prompt message will be displayed when the parameter (PA) manager is ready to accept console overrides.
System Action: The system initialization program waits for a response from the operator.
User Response: Enter the required parameter changes, separated by commas. Terminate your reply by entering '.END'.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHPAIO

DFHPA1105 applid CONTINUE SPECIFYING SIT PARAMETERS AND THEN TYPE '.END'.
Explanation: While SIT overrides are being entered on the console, this prompt message will be displayed to request more overrides if the previous line did not end with '.END'.
System Action: The system initialization program waits for more override parameters to be entered by the operator.
User Response: Continue entering the required parameter changes, separated by commas. Terminate your reply by entering '.END'.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHPAIO

DFHPA1106 applid MODULE DFHSITxx COULD NOT BE LOADED. SPECIFY NEW SUFFIX, 'NONE'(UNSUFFixed) OR 'CANCEL'.
Explanation: During PA domain initialization, a SIT with a suffix of xx could not be loaded.
During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.
System Action: The PA domain initialization routines wait for the operator to enter an alternative 1- or 2-character suffix, or YES to request the unsuffixed SIT, or CANCEL. If CANCEL is entered, CICS is abnormally terminated.
User Response: Determine whether the suffix is correct. If it is not, enter the correct suffix or enter 'YES' for the unsuffixed version. Otherwise enter 'CANCEL', correct the error (by adding the module to the appropriate library) and restart CICS.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHPADM
**DFHPA1107** applid A level VERSION OF MODULE DFHSITxx WAS LOADED. CICS CAN ONLY INITIALIZE WITH THE CURRENT LEVEL SIT.

**Explanation:** During PA domain initialization, a SIT with a suffix of xx and a release level of level was loaded. Since this version is not compatible with current CICS code, CICS is abnormally terminated.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System Action:** CICS terminates abnormally.

**User Response:** To correct the error, reassemble the SIT at the current CICS level. Refer to the CICS Transaction Server for OS/390 Migration Guide for guidance on changes to the SIT that may be required for the new release. CICS should then be restarted.

Alternatively, the system may have been pointing to the wrong SIT. To correct this second case, check the bring up JCL to make sure that the “SIT= override is correct. Refer to the CICS System Definition Guide for guidance on coding system initialization parameters. Furthermore, check the library search order to make sure that stray SITs, which may be unknowingly present, are removed or renamed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHPADM

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**DFHPA1108** applid DFHSITxx HAS BEEN LOADED. (GENERATED AT MM/DD= mm/dd HH/MM= hh/mm).

**Explanation:** This is an informational message displayed during CICS initialization. It displays the date and time that the loaded system initialization table was generated.

- xx is the suffix of the SIT being used.
- mm/dd is the date (month and day) that the SIT was generated.
- hh/mm is the time (hours and minutes of the 24 hour clock) that the SIT was generated.

**System Action:** CICS initialization continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHPADM

---

**DFHPA1901** applid modname COULD NOT BE FOUND OR IS IN A NON-APF LIBRARY/CONCATENATION. CICS IS TERMINATED.

**Explanation:** An error has occurred while attempting to load either DFHPASYL or DFHPAIO.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System Action:** CICS terminates abnormally.

**User Response:** Correct the problem with the module that failed to load.

For example, check that a module modname actually exists in the program libraries used by CICS. Check the JCL and that the correct name, the correct library and the correct member in the library are used.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHPADM

---

**DFHPA1902** applid UNABLE TO OPEN SYSIN DATA SET. CICS IS TERMINATED.

**Explanation:** An error has occurred while attempting to open the SYSIN data set. This occurs if the SYSIN data set does not exist.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System Action:** CICS terminates abnormally.

**User Response:** Ensure that the SYSIN data set exists and is correct.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHPAIO

---

**DFHPA1903** applid ERROR WHILE READING FROM SYSIN DATA SET. CICS IS TERMINATED.

**Explanation:** An error has occurred while attempting to read a record from the SYSIN data set. This can occur if the SYSIN data set has been corrupted, or has been incorrectly defined (for example, has not been defined with a logical record length, LRECL, of 80).

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System Action:** CICS terminates abnormally.

**User Response:** Correct the problem in the SYSIN data set.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHPAIO

---

**DFHPA1907** applid SIT DATA data IS INVALID FOR KEYWORD keyword. KEYWORD IS IGNORED.

**Explanation:** This message is displayed if the data specified, either for a keyword in the SIT or for a SIT override, is invalid, AND the PARMERR=IGNORE option is specified in the SIT or as an override.

**keyword** is the keyword for which the value is in error.

**data** is the invalid data.

**System Action:** The keyword is ignored. CICS will attempt to initialize without the keyword in error.

**User Response:** Correct the error by specifying a valid value for the keyword wherever it has been specified, either in the SIT or in the CICS input JCL, prior to restarting CICS. Refer to the CICS System Definition Guide for information on how to do this.

**Note:** This message cannot be changed with the message editing utility.
During initialization, CICS may not have access to the user override. The insert PARMERR=IGNORE option is specified in the SIT, or as an override.

**Explanation:** This message is displayed if the data specified, either for a keyword in the SIT or for a SIT override, is invalid, and the PARMERR=ABEND option is specified in the SIT override.

**Keyword:** The keyword for which the value is in error.

**Data:** The invalid data.

This message is issued only if the data for keyword MCT is in error.

**System Action:** CICS terminates abnormally.

**User Response:** Correct the error by specifying a valid value for the keyword wherever it has been specified, either in the SIT or in the CICS input JCL, prior to restarting CICS. Refer to the CICS System Definition Guide for information on how to do this.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHPAGP

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This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHPAGP

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This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHPAGP

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**Module:** DFHPAGP

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**Destination:** Console

**Module:** DFHPAGP

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This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHPAGP

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This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHPAGP
• In response to invalid data when PARMERR=INTERACT is specified but the user has been attempting to correct a previous invalid SIT keyword or value. In this case, message DFHPA1912 or DFHPA1915 follows this message to prompt for the correction to the original error.

• When PARMERR=INTERACT is specified if invalid data has been passed in PARM or SYSIN for a keyword that cannot be entered from the console (and therefore cannot be corrected by interaction with the console). This typically applies to security keywords.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System Action:** The keyword is ignored, and CICS attempts to initialize without the keyword in error.

**User Response:** Ensure the value specified is correct and update CICS input JCL with the corrected keyword prior to the next initialization of CICS.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Modules:** DFHPADM, DFHPAGP

---

**DFHPA1914 applid INVALID DATA HAS BEEN DETECTED FOR SIT OVERRIDE keyword. CICS IS TERMINATED.**

**Explanation:** This message is displayed if the data specified for a SIT override is syntactically invalid, and the PARMERR=ABEND option is specified in the SIT, or as an override.

The insert keyword is the keyword for which the value is in error. During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

**System Action:** CICS terminates abnormally.

**User Response:** Correct the error by specifying a valid value for the keyword in the SIT overrides, then restart CICS.

Refer to the CICS System Definition Guide for information on how to do this.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHPADM

---

**DFHPA1917 applid SIT OVERRIDE DATA data IS OUT OF RANGE FOR KEYWORD keyword. OVERRIDE IS IGNORED.**

**Explanation:** This message is displayed if the data specified for a SIT override is out of range, and the PARMERR=IGNORE option is specified in the SIT, or as an override.

keyword is the keyword for which the value is in error. data is the invalid data.

**System Action:** CICS will attempt to initialize without the keyword in error.

**User Response:** Ensure the value specified is correct and update CICS input JCL with the corrected keyword prior to the next initialization of CICS.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHPAGP

---

**DFHPA1918 applid SIT OVERRIDE DATA data IS OUT OF RANGE FOR KEYWORD keyword. RESPECIFY THE OVERRIDE.**

**Explanation:** This message is displayed if the data specified for a SIT override is out of range, and the PARMERR=INTERACT option is specified in the SIT, or as an override.

keyword is the keyword for which the data is in error. data is the invalid data.

**Note:** PARMERR=INTERACT is the default action for invalid SIT overrides.

**System Action:** CICS waits for the corrected override to be entered on the console by the operator, and analyzes this override.

**User Response:** Enter the corrected SIT override on the console, or bypass by typing '.END', or just supply a blank line.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console
DFHPA1919I  applid SPECIFIED DATA IS INCORRECT. ALL SUBSEQUENT OVERRIDES ON THIS LINE IGNORED.

Explanation: An invalid value for a keyword has been entered after message DFHPA1912 or DFHPA1915 has been issued. CICS has been unable to analyze the overrides following the invalid one.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: CICS continues to prompt for the corrected override using either message DFHPA1912 or message DFHPA1915.

User Response: Enter the corrected SIT override, ensuring that the data is in the valid range for that keyword.

You cannot suppress this message with the system initialization parameter MSGGLVL=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1920I  applid SIT KEYWORD keyword AND ALL SUBSEQUENT OVERRIDES ON THIS LINE IGNORED.

Explanation: An invalid keyword has been entered in response to message DFHPA1912 or DFHPA1915. CICS has been unable to analyze the overrides following the invalid one.

The insert keyword is the invalid keyword.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: CICS continues to prompt for the corrected keyword using message DFHPA1912 or message DFHPA1915.

User Response: Enter the corrected SIT override, ensuring that the keyword is valid.

Refer to the CICS System Definition Guide for information on how to do this.

You cannot suppress this message with the SIT parameter, MSGGLVL=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1921I  applid PLEASE SPECIFY THE REQUIRED SIT SUFFIX, OR SPECIFY ‘NONE’(UNSUFFixed).

Explanation: The System Initialization Table (SIT) holds information needed for CICS to initialize. This is loaded during preinitialization. The user specifies a 1- or 2-character suffix to identify which SIT to load. To use the unsuffixed default SIT, reply with ‘SIT=NO’.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: The system loads and uses the specified SIT if it can be found. Otherwise the user is prompted to enter a valid suffix.

User Response: Type ‘SIT=xx’ in response to the message, where xx represents the SIT suffix to be used. (A suffix of ‘NO’ causes the system to load an unsuffixed SIT).

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1922I  applid SPECIAL KEYWORD keyword HAS BEEN REPEATED AND IS IGNORED.

Explanation: There are 2 special keywords, each with an abbreviation. The first is SYSIN, which has the abbreviation SI. The second is CONSOLE, which has the abbreviation CN. These keywords direct CICS to read SIT overrides from the SYSIN data stream and from the console respectively.

The system has found a duplication of one of these keywords. The JCL should be amended.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: System initialization continues.

User Response: Correct the JCL by removing the second occurrence of the special keyword specified. (Refer to the CICS Operations and Utilities Guide for more information on coding CICS system initialization parameters).

You cannot suppress this message with the system initialization parameter MSGGLVL=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1923I  applid SPECIAL KEYWORD keyword HAS BEEN DEFINED OUT OF CONTEXT.

Explanation: There are 2 special keywords, each with an abbreviation. The first is SYSIN, which has the abbreviation SI. The second is CONSOLE, which has the abbreviation CN. These keywords direct CICS to read SIT overrides from the SYSIN data stream and from the console respectively.

SYSIN cannot be specified from either the SYSIN data stream, or from the console. CONSOLE cannot be specified from the console.

The system has found the specified keyword keyword in one of the situations described above, and so the JCL should be amended.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: System initialization continues.

User Response: Correct the JCL by removing the special keyword specified (Refer to the CICS Operations and Utilities Guide for more information on coding CICS system initialization parameters).

You cannot suppress this message with the system initialization parameter MSGGLVL=0.
Chapter 1. DFH messages

DFHPA1927 applid text

Explanation: This message is displayed during CICS initialization to show parameters that will override the system initialization parameters coded on the DFHSIT macro. If it is preceded by message DFHPA1100. text shows the contents of the PARM parameter from the JCL EXEC statement. If it is preceded by message DFHPA1102, text shows the contents of a record read from the SYSIN data set.

During initialization, CICS may not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: System initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1928 applid IF XRF=YES, THE GENERIC AND SPECIFIC APPLIDS MUST BE DIFFERENT. CICS IS TERMINATED.

Explanation: In an XRF CICS system, a generic and a specific applid must be defined. They must also be unique.

This message is displayed and CICS is terminated if both these applids, which are defined as SIT overrides, are found to be identical in an XRF environment.

This message is also displayed if only the generic applid is defined.

System Action: CICS terminates abnormally.

User Response: Correct the error by defining both the generic and the specific applids as SIT overrides. Ensure that they are unique. Refer to the CICS System Definition Guide for further information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1929 applid CSDKUP=DYNAMIC REQUIRES CSDRECOV=ALL. CSDKUP HAS BEEN DEFAULTED TO STATIC.

Explanation: When the value DYNAMIC is specified for the CSDKUP keyword the CSDRECOV keyword must have the value ALL. However, the override parameter stream has overridden the SIT values and this requirement has not been fulfilled.

System Action: To enable initialization to continue, CSDKUP is set to the default value STATIC. Because CSDKUP is set to STATIC, the CICS CSD as defined in the input JCL, or by dynamic allocation, is not eligible for backup while open for update.

User Response: Update CICS input JCL with the correct values for CSDKUP and CSDRECOV keywords prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1926 applid A MISSING DELIMITER HAS BEEN DETECTED FOR OVERRIDE keyword (MODULE modname).

Explanation: The data supplied for a SIT override keyword has not been delimited correctly.

System Action: CICS terminates abnormally.

User Response: Correct the specified override in the SYSIN data set by entering the opening or the closing delimiter on its data.

Restart CICS.

Refer to the CICS System Definition Guide for the required delimiter for keyword keyword.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1924I applid INITIALIZATION PARAMETER parm1 EXCEEDS parm2. BOTH ARE DEFAULTED. (MODULE modname).

Explanation: One of two situations may have occurred. In the first, parameter parm1 has been set as greater than parameter parm2 by override.

In the second, parameter parm1 may have been set to a certain level in the SIT macro, but parameter parm2 has been changed by override so that it is now less than parameter parm1.

In either case, the condition is invalid, and so default values are applied to both parameters.

System Action: Both parameters are set to their default values and system initialization continues.

User Response: The system initialization parameters should be altered so that parm2 is greater than parm1 for the next bring up of CICS. (Refer to the CICS System Definition Guide for more information about system initialization parameters.)

CICS initialization continues with the default values. The user can then change the defaulted values using the CICS supplied transaction.

You cannot suppress this message with the system initialization parameter, MSGLV=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHPADM, DFHPAGP

DFHPA1924 applid ONE OF TWO SIT OVERRIDE KEYWORDS IS IDENTICAL. APPLID =Console

Explanation: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM
DFHPA1930 applid CSDFRLOG=nn HAS BEEN IGNORED AS CSDRECOV=ALL HAS NOT BEEN SPECIFIED.

Explanation: When a forward recovery log value is specified for the CSDFRLOG keyword, the CSDRECOV keyword must have the value ALL. However, the override parameter stream has overridden the SIT values and this requirement has not been fulfilled.

System Action: To enable initialization to continue, the CSDFRLOG value has been ignored. Because CSDFRLOG is ignored, the CICS CSD as defined in the input JCL, or by dynamic allocation, is not eligible for forward recovery logging.

User Response: Update CICS input JCL with the correct values for the CSDFRLOG and CSDRECOV keywords prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1931 applid keyword IS A SECURITY KEYWORD AND CANNOT BE ENTERED AT THE CONSOLE. THE KEYWORD IS IGNORED.

Explanation: A SIT override has been entered at the console which is deemed to be a member of the set of security system initialization parameters. Security system initialization parameters cannot be entered at the console.

During initialization, CICS might not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: CICS ignores the security SIT override, and initialization continues.

User Response: Update CICS input JCL so that security keywords are included in the SIT, SYSIN or PARM prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1932 applid A PSDINT VALUE GREATER THAN ZERO WAS SPECIFIED WITH XRF=YES. PSDINT HAS BEEN RESET TO 0.

Explanation: A conflict of options has been detected. You have requested Persistent Session Support by specifying a nonzero value for the PSDINT system initialization parameter. This parameter is used to set the Persistent Sessions delay interval. However, you have also requested XRF support by specifying XRF=YES. Persistent Sessions Support and XRF are mutually exclusive.

System Action: The PSDINT value defaults to 0. CICS attempts to continue with XRF support.

User Response: Before you next initialize CICS, alter the system initialization parameters so that either PSDINT=0 or XRF=NO. See the CICS System Definition Guide for further information.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1934I applid START TYPE CHANGED TO type.

Explanation: The start type specified in the SIT has been changed to that shown in the message.

System Action: Initialization continues with the new start type.

User Response: None.
Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPPAGP

DFHPA1935 applid keyword IS A SECURITY KEYWORD. THIS KEYWORD AND ALL SUBSEQUENT KEYWORDS ON THIS LINE ARE IGNORED.

Explanation: A SIT override has been entered at the console which is deemed to be a member of the set of security system initialization parameters. Security system initialization parameters cannot be entered at the console. CICS has been unable to analyze the overrides following the security keyword.

During initialization, CICS might not have access to the user’s applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: CICS ignores the security SIT override and all subsequent overrides entered on this line. Initialization continues.

User Response: Update CICS input JCL so that security keywords are included in the SIT, SYSIN or PARM prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1936 applid A VALUE WAS SPECIFIED FOR GRNAME WITH XRF=YES. GRNAME HAS BEEN RESET TO BLANKS.

Explanation: A conflict of options has been detected. You have requested generic resource support by specifying a value for the GRNAME system initialization parameter. This parameter is used to register CICS as a VTAM generic resource. However, you have also requested XRF support by specifying XRF=YES. Generic resource support and XRF are mutually exclusive.

System Action: The GRNAME value is reset to blanks. CICS attempts to continue with XRF support but without generic resource support.

User Response: Before you next initialize CICS, alter the system initialization parameters so that either GRNAME is not specified or XRF=NO. See the CICS System Definition Guide for further information.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM
DFHPA1937 applid GRNAME SPECIFIED WITH SPECIFIC AND GENERIC APPLIDS. THE GENERIC APPLID HAS BEEN SET EQUAL TO THE SPECIFIC.

Explanation: A conflict of options has been detected. You have requested generic resource support by specifying a value for the GRNAME system initialization parameter. This parameter is used to register CICS as a VTAM generic resource. However, you have also specified different values for the generic and specific applids. Generic resource support requires that only one value should be specified for the APPLID parameter.

System Action: The generic applid is set to the value of the specific. CICS continues and attempts to register as a VTAM generic resource.

User Response: If you intended that CICS should register as a VTAM generic resource, take no action. If you did not, remove the GRNAME parameter before you next initialize the system.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1938 applid GRNAME AND APPLID ARE THE SAME. GRNAME RESET TO BLANKS.

Explanation: A conflict of options has been detected. You have requested generic resource support by specifying a value for the GRNAME system initialization parameter. This parameter is used to register CICS as a VTAM generic resource. However, the value specified for GRNAME is the same as the CICS applid. VTAM requires that the generic resource name must be different from the CICS applid.

System Action: The generic resource name is set to blanks. CICS will not attempt to register as a VTAM generic resource.

User Response: If you intended that CICS should register as a VTAM generic resource, specify the correct GRNAME when you next initialize the system.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1940 applid CSDINTEG=CONSISTENT AND CSDINTEG=REPEATABLE REQUIRE CSDRLS=YES. CSDINTEG HAS BEEN SET TO UNCOMMITTED.

Explanation: Read integrity on the CICS system definition (CSD) file has been requested by specifying either CSDINTEG=CONSISTENT or CSDINTEG=REPEATABLE. However, these read integrity options are not available because the CSD has been defined to be opened in non-RLS mode. Read integrity is only available to files defined in RLS mode.

System Action: CICS startup continues. The CSD is read without read integrity.

User Response: Do one of the following to correct the error:
- Specify CSDRLS=YES to make the CSD eligible to be opened in RLS mode.
- Remove the CSDINTEG keyword if you do not wish to open the CSD in RLS mode.

Destination: Console
Module: DFHPADM

DFHPA1941 applid VTAM=NO HAS BEEN SPECIFIED BUT NO UOWNETQL PARAMETER HAS BEEN SPECIFIED. A DEFAULT UOWNETQL WILL BE USED.

Explanation: VTAM=NO has been specified as a system initialization parameter but the UOWNETQL system initialization parameter is missing.

On a non-VTAM system, CICS requires the UOWNETQL parameter in order to construct a default qualified LUNAME to be passed to the recovery manager domain. On a VTAM system, the name is obtained at OPEN ACB time. Recovery manager uses the default qualified LUNAME when constructing unit of work (UOW) identifiers.

System Action: If this is an initial start, CICS continues processing using a dummy default UOWNETQL of '9UNKNOWN'. This dummy UOWNETQL is invalid because the first character is a number. UOWNETQL is given this invalid name to highlight the problem.

If this is a cold, warm or emergency start, the name used on the previous run is restored and used.

User Response: Specify a valid UOWNETQL system initialization parameter.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1942 applid CSDRLS=YES BUT RLS=NO. CSDRLS=NO WILL BE USED.

Explanation: The system initialization parameter CSDRLS=YES has been specified but RLS=YES has not been specified. This means that if initialization were to continue with these parameter settings the open of the CSD in record level sharing (RLS) mode would fail because RLS is not available in the system.

CICS requires that if you specify CSDRLS=YES, RLS must be enabled by specifying RLS=YES.

System Action: CICS continues processing but forces CSDRLS=NO.

User Response: If CSDRLS is required, bring CICS up with RLS=YES.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1943 applid START=COLD OR START=INITIAL MAY NOT BE SPECIFIED WITH OFFSITE=YES. CICS IS TERMINATED.

Explanation: The system initialization override OFFSITE=YES has been specified but START=COLD or START=INITIAL has also been specified. OFFSITE=YES means that CICS is being restarted in offsite recovery mode, but recovery is not possible on a cold or initial start, so this combination of system initialization parameters is incompatible.

System Action: CICS initialization is terminated.

User Response: You should specify START=AUTO when restarting CICS in OFFSITE recovery mode.
If you intended to perform a cold or initial start, and specified OFFSITE=YES in error, either change the OFFSITE override to NO, or remove it and allow it to default to NO.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1944 applid CSDRECOV=ALL CANNOT BE SPECIFIED WITHOUT A CSDFRLOG IF CSDRLS=NO. CICS IS TERMINATED.

Explanation: The system initialization parameter CSDRECOV=ALL has been specified together with CSDRLS=NO, but CSDFRLOG has either not been specified, or has been specified as NO.

If the CSD is to be accessed in non-RLS mode (CSDRLS=NO) and forward recovery is specified (CSDRECOV=ALL), a forward recovery log must also be specified using the CSDFRLOG system initialization parameter.

If the CSD is to be accessed in RLS mode (CSDRLS=YES), the recovery attributes are obtained from the VSAM catalog and CSDFRLOG and CSDRECOV are ignored. For this reason, the check for CSDFRLOG when CSDRECOV=ALL is not carried out when CSDRLS=YES.

System Action: CICS initialization is terminated.

User Response: You should specify CSDFRLOG=nn when you specify CSDRECOV=ALL together with CSDRLS=NO, where nn is a number between 1 and 99.

If you want to access the CSD in non-RLS mode, but also choose to specify the recovery attributes for the CSD in the VSAM catalog, the system initialization parameters relating to CSD recovery attributes are not used. However, you are still required to have a consistent set of these parameters.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPA1945 applid sitename MUST BE LINKEDITED WITH THE NORENT OPTION. CICS IS TERMINATED.

Explanation: The system initialization table sitename has been link-edited with the RENT option, which means CICS will not have write access to it.

System Action: CICS initialization is terminated.

User Response: You should re-link the system initialization table with the NORENT option.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHPADM

DFHPCxxxx messages

DFHPC0401 applid Abend abcode issued by yyy task.

Explanation: A CICS task has abnormally terminated with CICS transaction abend code abcode. yyy identifies the task, for example TCP (terminal control).

A task abend has been requested for a system task. CICS is abnormally terminated with a system dump.

System Action: CICS terminates abnormally with a dump.

User Response: See the description of abend abcode for further guidance.

Destination: Console
Module: DFHABAB
XMEOUT Parameters: applid, abcode, yyy

DFHPC0402 applid Error with kernel error code errorcode has occurred while processing transaction abend abcode in transaction tranid

Explanation: A program check, abend, loop, or a second transaction abend has occurred while processing a transaction abend and CICS is unable to complete the original transaction abend.

System Action: CICS processing is terminated.

User Response: This is a severe error in CICS internal processing. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHABAB
XMEOUT Parameters: applid, errorcode, abcode, tranid

DFHPC0403 applid Abend abcode2 has been issued while processing abend abcode1 for the same task, transaction tranid.

Explanation: Transaction tranid has abnormally terminated with abend code abcode1. While CICS was backing out transaction tranid, another abend (namely abcode2) occurred. CICS was unable to process the original abcode1 correctly.

System Action: CICS is terminated with a dump.

User Response: Investigate why abend abcode1 occurred. It may be due to an error in CICS abend handling.

Destination: Console
Module: DFHABAB
XMEOUT Parameters: applid, abcode2, abcode1, tranid

DFHPC0408 applid Abend abcode has been issued during post commit processing, transaction tranid.

Explanation: During post commit processing for transaction tranid, the transaction issued abend abcode. An abend during transaction post commit processing implies that a resource manager cannot syncpoint correctly, and thus that data integrity is at risk.

System Action: CICS terminates abnormally with a system dump.

User Response: See the description of abend abcode for further guidance.
DFHPDxxxx messages

DFHPD0101 Pointer to xxxxxxxx at offset X'offset' is invalid.
Explanation: A pointer to a block of type xxxxxxxx, whose address is at offset X'offset' in the block just formatted, is invalid.
System Action: Dump formatting continues after skipping any sections affected by the error.
User Response: Either the pointer to the required area was corrupted, the pointer has not been initialized, or the address was valid but the area was not present in the dump. In the latter case, if the area is essential for diagnosing the problem, a fresh dump which includes the missing area has to be obtained.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHPD530

DFHPD0102 Pointer to xxxxxxxx at offset X'offset' is zero.
Explanation: A pointer to a block of type xxxxxxxx, whose address is at offset X'offset' in the block just formatted, is zero.
System Action: Dump formatting continues after skipping any sections affected by the error.
User Response: The area may have been corrupted or not set up correctly. It is also possible that the zero value is valid. This depends on the circumstances or timing of the dumps collection; for example, a zero value is valid before the block is initialized.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHPD530

DFHPD0103 xxxxxxxx address X'address' is invalid.
Explanation: The address address of a block of type xxxxxxxx is invalid.
System Action: Dump formatting continues after skipping any sections affected by the error.
User Response: Either the pointer to the required area was corrupted, the pointer has not been initialized, or the address was valid but the area was not present in the dump. In the latter case, if the area is essential for diagnosing the problem, a fresh dump which includes the missing area has to be obtained.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHPD530

DFHPD0104 Address of xxxxxxxx is zero.
Explanation: The address of a block of type xxxxxxxx is zero.
System Action: Dump formatting continues after skipping any sections affected by the error.
User Response: The area may have been corrupted or not set up correctly. It is also possible that the zero value is valid. This depends on the circumstances or timing of the dumps collection; for example, a zero value is valid before the block is initialized.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHPD530

DFHPD0105 A loop has been detected. xxxxxxxx at address X'address' already encountered.
Explanation: The formatting program avoids loops resulting from corrupted control block chains by checking for duplicate addresses. The block xxxxxxxx at address address has already been encountered and may already have been formatted.
System Action: Dump formatting continues after skipping any sections affected by the error.
User Response: Check the chain fields in control blocks of the same type which have already been processed. Otherwise the problem may be caused by the timing of the dumps collection, if for example this occurs before the block is initialized.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHPD530

DFHPD0106 An error has occurred while formatting xxxxxxxx.
Explanation: An error has occurred during the formatting of a block of type xxxxxxxx.
System Action: Dump formatting continues after skipping any sections affected by the error.
User Response: If no data has been formatted for the block then the block address was probably invalid. In this case see message DFHPD0101.

If part of the block has been successfully formatted then it is possible that the length of the control block is incorrect. The length may have been overwritten which may provide a clue to the problem.
DFHPD0107

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHPD530

DFHPD0107 Eyecatcher for xxxxxxxx at 'address' is invalid.

Explanation: The eyecatcher field of a control block of type xxxxxxxx at address address has an incorrect value.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Investigate why the eyecatcher has been overwritten or why the control block has not been set up correctly. For more information on how to solve storage overwrite problems, see the CICS Problem Determination Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHPD530

DFHPD0108 Unable to start browse of xxxxxxxx.

Explanation: An error has occurred when attempting to start browsing a table of type xxxxxxxx.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: This error may be due to the Table Manager Program (TMP) control blocks being invalid. Check the TMP control blocks for the table in question.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHPD530

DFHPD0109 Unable to get next entry in xxxxxxxx table.

Explanation: An error has occurred when attempting to access the next entry in a table of type xxxxxxxx.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: This error may be due to the Table Manager Program (TMP) control blocks being invalid. Check the TMP control blocks for the table in question.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHPD530

DFHPD0110 Unable to access data for xxxxxxxx

Explanation: The Interactive Problem Control System (IPCS) service routine ADPLMEMA was unable to find the requested data for control block xxxxxxxx in the dump.

System Action: Dump formatting continues after skipping any sections impacted by the lack of data.

User Response: Either the pointer to the required area was corrupted, which may in itself be a clue to the problem, or the address was valid but the area was not present in the dump. In the latter case, if the area is essential for diagnosing the problem obtain a fresh dump which includes the missing area.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHPD530

DFHPD0111 Pointer to xxxxxxxx at offset 'offset' is zero.

Explanation: A pointer to a block of type xxxxxxxx, whose address is at offset offset in the block just formatted, is zero.

System Action: Dump formatting continues after skipping any sections affected by the zero pointer.

User Response: The message is informatory, indicating that the area was zero at the time the dump was taken.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHPD530

DFHPD0112 Address of xxxxxxxx is zero.

Explanation: The address of a block of type xxxxxxxx is zero.

System Action: Dump formatting continues after skipping any sections affected by the block.

User Response: The message is informatory, indicating that the area did not contain an address at the time the dump was taken.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHPD530

DFHPD0113 This block has already been processed.

Explanation: The block whose heading line has just been printed has already been formatted in this section of the dump.

System Action: The block is formatted again then any sections which may be impacted by the probable control block chain loop are skipped.

User Response: Check the chain fields in the control blocks processed so far. This may provide a clue to the problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHPD530

DFHPD0114 Invalid keyword keyword

Explanation: The keyword keyword is not valid for the CICS530 verb.

System Action: The keyword is ignored.

User Response: Correct the keyword and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHPD530
DFHPD0115 CICS job not found during ASCB scan.

Explanation: The dump formatting program searched the dump for CICS jobs satisfying the specified JOB criterion (if any), but found none.

System Action: There is only a severe problem when this message is followed by message DFHPD0120.

User Response: If this is a severe error, ensure that the dump is the correct one, that the JOB keyword is correctly specified, and that the dump contains the necessary MVS and CICS data areas.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD530

DFHPD0116 Cannot access the AFCB.

Explanation: The formatting program was unable to access data for the AFCB.

System Action: No formatting is performed.

User Response: Ensure that the dump is the correct one, and that the dump contains the necessary MVS data areas.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD530

DFHPD0117 An error has occurred while formatting xxxxxxxx.

Explanation: An error has occurred during the formatting of a block of type xxxxxxxx.

Either the user has performed a GETMAIN for the storage, but the storage has not been referenced. Unreferenced storage may not be present in the dump.

Or the block address is invalid.

Or the length of the control block is incorrect.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: If no data has been formatted for the block then either the storage has not been referenced, or the block address was invalid. If the block address was invalid, refer to message DFHPD0101.

If part of the block has been successfully formatted then it is possible that the length of the control block is incorrect. The length may have been overwritten which may provide a clue to the problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD530

DFHPD0118 Invalid argument for JOB=, CURRENT assumed

Explanation: The argument for the JOB operand of the CICS530 verb is invalid.

System Action: The keyword is ignored.

User Response: Correct the invalid argument and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD530

DFHPD0119 Duplicate keyword keyword found. Value value accepted

Explanation: The CICS530 keyword keyword has already been encountered.

System Action: The value value specified in the message overrides any value previously specified for keyword keyword. Processing continues with the new value value.

User Response: Remove the duplicate keyword specified on the CICS530 verb.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD530

DFHPD0120 CICS IPCS exit is terminating.

Explanation: The CICS exit is terminating.

System Action: The exit is returning to the Interactive Problem Control System (IPCS) without performing the requested function. A previous message gives the reason for this.

User Response: To determine what action is necessary, refer to the message immediately preceding this one on the dump.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD530

DFHPD0121I Formatting control blocks for job jobname

Explanation: This shows the job name for the CICS system from which the dump was taken.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD530

DFHPD0122I End of dump for job jobname

Explanation: This marks the end of the output from the CICS print dump exit.

System Action: None. The formatting job has just completed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD530
DFHPD0123 A program check has occurred while processing
keyword keyword

Explanation: A program check has occurred during processing of
the keyword identified in the message.

System Action: Dump formatting continues after skipping any
sections affected by the error.
Note that the maximum possible number of occurrences of this
message is five. If a sixth program check occurs, the dump
formatting program terminates abnormally with a DFHPD530 abend
code.

User Response: A dump should accompany this message, but if
no dump is produced, rerun the job with //DFHSNAP DD
SYSPUT=A included in the JCL job stream.
You need further assistance from IBM to resolve this problem. See
Part 4 of the CICS Problem Determination Guide for guidance on
how to proceed.

Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHPD530

DFHPD0124 Storage violation detected at X'address'. Leading
SAA is invalid.

Explanation: The Storage Accounting Area (SAA) in the first eight
bytes of the user storage element at address X'address' has been
found to be invalid. However, the trailing SAA is valid.

System Action: Dump formatting continues after skipping any
sections affected by the error.

User Response: Investigate why the storage has been
overwritten or has not been set up correctly. For more information
on how to solve storage overwrite problems, refer to the CICS
Problem Determination Guide.

Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHPD530

DFHPD0125 Storage violation detected at X'address'. Trailing
SAA is invalid.

Explanation: The Storage Accounting Area (SAA) in the first eight
bytes of the user storage element at address X'address' has been
found to be invalid. However, the leading SAA is valid.

System Action: Dump formatting continues after skipping any
sections affected by the error.

User Response: Investigate why the storage has been
overwritten or has not been set up correctly. For more information
on how to solve storage overwrite problems, refer to the CICS
Problem Determination Guide.

Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHPD530

DFHPD0126 Storage violation detected at X'address'. Leading
and trailing SAAs are invalid.

Explanation: The Storage Accounting Areas (SAAs) in the first
and last eight bytes of the user storage element at address
X'address' are invalid.

System Action: Dump formatting continues after skipping any
sections affected by the error.

User Response: Investigate why the storage has been
overwritten or has not been set up correctly. For more information
on how to solve storage overwrite problems, refer to the CICS
Problem Determination Guide.

Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHPD530

DFHPD0127 Storage violation detected at X'address'. Leading
and trailing SAAs differ.

Explanation: Although the Storage Accounting Areas (SAAs) in
the first and last eight bytes of the user storage element at address
X'address' are valid, they do not match.

System Action: Dump formatting continues after skipping any
sections affected by the error.

User Response: Investigate why the storage has been
overwritten or has not been set up correctly. For more information
on how to solve storage overwrite problems, refer to the CICS
Problem Determination Guide.

Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHPD530

DFHPD0128 Invalid data length X'length' specified for address
X'address'.

Explanation: The offline utility DFHPD530 has detected a request
for a block of data of invalid length X'length' while formatting a
system dump.

System Action: Dump formatting usually continues after skipping any
sections affected by this error.

User Response: This message indicates a probable error in CICS
code. You need further assistance from IBM to resolve this
problem. See Part 4 of the CICS Problem Determination Guide for
guidance on how to proceed.

Note: This message cannot be changed with the message editing
utility.
Destination: SYSPRINT
Module: DFHPD530

DFHPD0129 CICS Domain Anchor Blocks not found for AFCB.
Scan will continue.

Explanation: The dump formatter has attempted to find a CICS
dump in a TCB chain but has failed. The scan will continue. This is
because DFHPD530 could not find the addresses of the CICS
domain anchor blocks in the kernel global storage. Possible
causes for this are:

- Scanning the wrong TCB on the TCB chain. The scan will
  continue.
• The kernel global storage being overwritten or freemained.
• The dump being taken so early on in CICS initialization that the kernel global storage has not yet been set up.

System Action: There is only a severe problem when this message is followed by message DFHPD0120.

User Response: If this is a severe error. Try to recreate the original error and produce a valid system dump against which the dump formatter can be rerun.

If the problem recurs, you will need further assistance from IBM. Collect the sysprint output from the dump formatter and note any relevant messages. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHPD530

DFHPD0130 Keyword keyword1 is no longer valid. Replace with keyword2

Explanation: In CICS Transaction Server for OS/390 Release 3 the keyword keyword1 has been replaced by keyword2 for the CICS530 verb.

For example, the keyword PCP has been replaced by PG.

System Action: The keyword keyword1 is ignored.

User Response: Correct the keyword and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHPD530

DFHPD0131 CICS job jobname is for CICS version version1. CICS IPCS exit is for CICS version version2.

Explanation: The CICS job jobname being processed by the dump formatting program was executing under CICS version version1, but the dump formatting program was the one distributed with CICS version version2.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: A dump should accompany this message. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHPD530

DFHPGxxxx messages

DFHPG0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).
DFHPG0002

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module `modname`, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHPGAI, DFHPGAQ, DFHPGD, DFHPGDM, DFHPGEX, DFHPGHM, DFHPGIS, DFHPGLD, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRP, DFHPGST, DFHPGM.

**XMEOUT Parameters:** `applid`, `X'offset'`, `modname`

---

**DFHPG0004 applid A possible loop has been detected at offset `X'offset'` in module `modname`.**

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module `modname` at offset `X'offset'`. This is the offset of the instruction which was executing at the time the error was detected.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module `modname` in the message is terminated and CICS continues.

If you have declared ICVR=0 in the SIT and you consider that module `modname` has gone into a loop, you need to terminate CICS in order to terminate the runaway function.

If CICS has terminated module `modname`, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHPGAI, DFHPGAQ, DFHPGD, DFHPGDM, DFHPGEX, DFHPGHM, DFHPGIS, DFHPGLD, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRP, DFHPGST, DFHPGM.

**XMEOUT Parameters:** `applid`, `X'offset'`, `modname`
DFHPG0101 \textbf{date time applid terminal userid tranid} PPT entry for \textit{progname} has been added.

**Explanation:** This is an audit log message indicating that program entry \textit{progname} has been added to the PPT using the INSTALL command. Where:

- \textit{terminal} is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- \textit{userid} is the user identifier of the user associated with the transaction issuing the message.
- \textit{tranid} is the transaction issuing the message.

**System Action:** The system continues normally.

**User Response:** None.

**Destination:** CSPL

**Module:** DFHPGDD

**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid, progname

---

DFHPG0102 \textbf{date time applid terminal userid tranid} PPT entry for \textit{progname} has been deleted.

**Explanation:** This is an audit log message indicating that program entry \textit{progname} has been deleted from the PPT using the REMOVE command. Where:

- \textit{terminal} is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- \textit{userid} is the user identifier of the user associated with the transaction issuing the message.
- \textit{tranid} is the transaction issuing the message.

**System Action:** The system continues normally.

**User Response:** None.

**Destination:** CSPL

**Module:** DFHPGDD

**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid, progname

---

DFHPG0103 \textbf{date time applid terminal userid tranid} PPT entry for \textit{progname} has been replaced.

**Explanation:** This is an audit log message indicating that program entry \textit{progname} has been replaced in the PPT using the INSTALL command. Where:

- \textit{terminal} is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- \textit{userid} is the user identifier of the user associated with the transaction issuing the message.
- \textit{tranid} is the transaction issuing the message.

**System Action:** The system continues normally.

**User Response:** None.

**Destination:** CSPL

**Module:** DFHPGAI

**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid, urmname, progname

---

DFHPG0104 \textbf{date time applid} Program \textit{progname} is defined with DATALOCATION(ANY) but is linkededited with AMODE(24).

**Explanation:** Program entry \textit{progname} has been loaded. It is defined (using RDO or by program autoinstall) with DATALOCATION(ANY), but was linkededited with AMODE(24). Addresses returned to the program by EXEC CICS commands using the SET option may be above the 16MB line and not accessible by the AMODE(24) program.

The definition is accepted as the program can pass the storage on to another program which is linkededited with AMODE(31). See the description of DATALOCATION in the CICS Resource Definition Guide.

This message is issued the first time the program is loaded, linked to or XCTLed to, after being defined.

**System Action:** The system continues normally.

**User Response:** None.

**Destination:** CSPL

**Modules:** DFHPGGLD, DFHPGLE, DFHPLGLK, DFHPLGLU, DFHPGPG, DFHPGXE, DFHPGE

**XMEOUT Parameters:** date, time, applid, progname

---

DFHPG0201 \textbf{date time applid terminal userid tranid Program} autoinstall exit \textit{urmname} indicated that program \textit{progname} should not be added to the PPT.

**Explanation:** An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the autoinstall exit set a return code indicating that the program should not be installed. Where:

- \textit{terminal} is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- \textit{userid} is the user identifier of the user associated with the transaction issuing the message.
- \textit{tranid} is the transaction issuing the message.

**System Action:** Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

**User Response:** None.

**Destination:** CSPL

**Module:** DFHPGAI

**XMEOUT Parameters:** date, time, applid, terminal, userid, tranid, urmname, progname

---

DFHPG0202 \textbf{date time applid terminal userid tranid Program} autoinstall exit \textit{urmname} has abended with code \textit{abcode}. The program autoinstall function has been disabled.

**Explanation:** An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the program autoinstall exit program abended with code \textit{abcode}. Where:

- \textit{terminal} is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
DFHPG0203

- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error. The autoinstall function is disabled.

User Response: Continue processing without program autoinstall or correct the error in the autoinstall exit program and reenable the autoinstall function using CEMT or the SPI.

Destination: CSPL
Module: DFHPGAI
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, urmname, abcode

DFHPG0203 date time applid terminal userid tranid Program autoinstall exit urmname failed, reason: reason. The program autoinstall function has been disabled.

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the program autoinstall exit program is incorrectly defined or cannot be found on the load libraries. Where:
- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.
- reason is one of the following:
  - Program not defined
  - Program not enabled
  - Program not loadable
  - Remote program
  - AMODE error
  - Invalid COMMAREA
  - Recursion in autoinstall exit.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error. The autoinstall function is disabled.

User Response: Continue processing without program autoinstall or correct the problem and reenable the autoinstall function using CEMT or the SPI. Take the appropriate action to correct the problem:

Program not defined
- Install the autoinstall exit program.

Program not enabled
- Reset the status of the autoinstall exit program.

Program not loadable
- Ensure that the autoinstall exit program is in the load libraries.

Remote program
- Ensure that the autoinstall exit program is defined as a local program.

AMODE error
- Ensure that the autoinstall exit program is AMODE 31.

Invalid COMMAREA
- Ensure that if the program autoinstall exit program passes the COMMAREA to another program, the COMMAREA is correctly passed.

Recursion in autoinstall exit
- The autoinstall user-replaceable module has attempted to link to XCTL or to load another program which is not defined. Autoinstall cannot be attempted with the autoinstall exit. Ensure that the program being referred to is defined using RDO.

Destination: CSPL
Module: DFHPGAI
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, urmname, reason

DFHPG0204 date time applid terminal userid tranid Autoinstall for program programe name failed. Program autoinstall model modelname is not defined.

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the model selected for the autoinstall is not defined. Where:
- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure that all programs to be used as models for the autoinstall function have been defined.

Destination: CSPL
Module: DFHPGAI
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, programe name, modelname

DFHPG0205 date time applid terminal userid tranid programe name invalid value: value returned by program autoinstall exit urmname for field fieldname.

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the program autoinstall exit returned an invalid value for a program definition field or the return code via the commarea. Where:
- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.
- value is the returned value. This may be invalid or there may be a conflict between the load attribute specified and the load type of the model program. If the program type is shared, the load attribute must be resident.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.
Chapter 1. DFH messages

DFHPG0206 date time applid terminal userid tranid Autoinstall for program programe failed. Programs starting with 'DFH' cannot be defined as remote programs.

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing with remote attributes but the program starts with the characters 'DFH'. Where:

- `terminal` is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- `userid` is the user identifier of the user associated with the transaction issuing the message.
- `tranid` is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure that the AMODE and RMODE are compatible and the program attribute is specified as resident if the program type is shared.

Destination: CSPL
Module: DFHPGAI
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, programe

DFHPG0207 date time applid terminal userid tranid Autoinstall for program programe failed. The program name is not valid.

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the program name includes invalid characters. Where:

- `terminal` is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- `userid` is the user identifier of the user associated with the transaction issuing the message.
- `tranid` is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure that the program name is valid.

Destination: CSPL
Module: DFHPGAI
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, programe

DFHPG0208 date time applid terminal userid tranid Autoinstall for program programe failed.

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the install of the definition failed. Either the AMODE/RMODE combination is invalid or the load attribute and type combination is invalid. Where:

- `terminal` is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- `userid` is the user identifier of the user associated with the transaction issuing the message.
- `tranid` is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure the AMODE and RMODE are compatible and the program attribute is specified as resident if the program type is shared.

Destination: CSPL
Module: DFHPGAI
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, programe

DFHPG0209 date time applid terminal userid tranid PPT entry for program programe has been autoinstalled using model modelname.

Explanation: This is an audit log message indicating that program entry programe has been added to the PPT by the AUTOINSTALL function using the model modelname.

Where:

- `terminal` is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- `userid` is the user identifier of the user associated with the transaction issuing the message.
- `tranid` is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSPL
Module: DFHPGAI
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, programe, modelname

DFHPG0210 date time applid terminal userid tranid PPT entry for program programe has been system autoinstalled.

Explanation: This is an audit log message indicating that program entry programe has been added to the PPT by the system AUTOINSTALL function.

Where:

- `terminal` is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- `userid` is the user identifier of the user associated with the transaction issuing the message.
DFHPG0211

- tranid is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: date, time, applid, terminal, userid, tranid, progrname

DFHPG0211 date time applid terminal userid tranid Autoinstall for program progrname failed. Program autoinstall model modelname is disabled.

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the model selected for the autoinstall is disabled. Where:

- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure that all programs to be used as models for the autoinstall function are enabled.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: date, time, applid, terminal, userid, tranid, progrname, modelname

DFHPRxxxx messages

DFHPR0101I date time applid The table entry for partner ptnname has been replaced.

Explanation: This is an informational message indicating that the partner resource manager has replaced the existing table entry for the ptnname partner, with a new table entry.

System Action: The system continues normally.

User Response: None.

Destination: CSRL

Module: DFHPRPT

XMEOUT Parameters: date, time, applid, ptnname

DFHPR0102I applid Partner resource manager initialization has started.

Explanation: This is an informational message indicating that partner resource manager initialization has started.

System Action: Initialization continues.

User Response: None.

Destination: Console

Module: DFHPRIN1

XMEOUT Parameter: applid

DFHPR0103I applid Partner resource manager initialization has ended.

Explanation: This is an informational message indicating that partner resource manager initialization has completed successfully.

System Action: Initialization continues.

User Response: None. You can suppress this message with SIT parameter, MSGVLVL=0.

Destination: Console

Module: DFHPRIN1

XMEOUT Parameter: applid

DFHPR0104I applid Partner resource manager initialization has failed.

Explanation: The partner resource manager has failed to initialize successfully.

System Action: Message DFHSI1522 is issued following this message. CICS terminates or continues initialization depending upon the operator's response to message DFHSI1522. An exception trace entry is written at the time the failure is detected. Other CICS components called by partner resource manager initialization may also issue messages or write trace entries.

User Response: Decide whether CICS can continue execution without the partner resource manager, and respond accordingly to message DFHSI1522. You should also investigate why the partner resource manager failed to initialize, starting from the data contained in the exception trace entry.

Destination: Console

Module: DFHPRIN1

XMEOUT Parameter: applid

DFHPR0105I applid Partner resource manager initialization has failed.

Explanation: The partner resource manager has failed to initialize successfully.

System Action: Message DFHSI1522 is issued following this message. CICS terminates or continues initialization depending upon the operator's response to message DFHSI1522. An exception trace entry is written at the time the failure is detected. Other CICS components called by partner resource manager initialization may also issue messages or write trace entries.

User Response: Decide whether CICS can continue execution without the partner resource manager, and respond accordingly to message DFHSI1522. You should also investigate why the partner resource manager failed to initialize, starting from the data contained in the exception trace entry.

Destination: Console

Module: DFHPRIN1

XMEOUT Parameter: applid
DFHPSxxxx messages

DFHPS5366 applid The system spooling interface initialization program DFHPSIP is not present.

Explanation: CICS attempted to link to DFHPSIP but the attempt failed because DFHPSIP was not in the CICS program library.

System Action: CICS terminates system spooler initialization.

User Response: Place DFHPSIP in the CICS program library.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: applid

DFHPS5393 date time applid Transaction tranid ended without closing data set on system spool.

Explanation: The transaction tranid did not close a JES interface data set. Since only one transaction at a time can use the JES input interface, other transactions may be unnecessarily delayed.

System Action: CICS executes a default CLOSE with the KEEP option for an INPUT data set or the DELETE option for an output data set.

User Response: Change the program so that the transaction issues a SPOOLCLOSE before it terminates, and preferably immediately after the ENDFILE condition occurs on an input data set.

Destination: CSMT

Module: DFHPSPDW

XMEOUT Parameters: date, time, applid, tranid

DFHPS5394 date time applid A storage error has occurred in JES interface subtask, the JES interface has been disabled.

Explanation: An MVS FREEMAIN macro, issued by the CICS JES interface subtask, has failed. To keep dynamic storage area (DSA) storage usable, CICS has terminated the JES interface subtask with MVS user abend 0170.

System Action: CICS rejects subsequent SPOOL commands with the NOSPOOL response.

User Response: CICS will continue running normally (apart from the rejection of SPOOL commands), and you can let it continue unless your spooling requirements are critical. To reinitiate the JES interface, shut down CICS and perform a warm restart (START=AUTO in the SIT or as an initialization override).

Use the MVS dump to find the source of the problem. In the dump, register 6 addresses the instruction before the ABEND. Normally, register 2 contains the address and register 0 the length of the area to be released.

Destination: CSMT

Module: DFHPSPDW

XMEOUT Parameters: date, time, applid

DFHRDxxxx messages

DFHRD0101 date time applid terminal userid tranid INSTALL PROGRAM(progname)

Explanation: Program progname has been installed into CICS by userid userid at terminal terminal using transaction tranid.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: date, time, applid, userid, tranid, progname

DFHRD0102 date time applid terminal userid tranid INSTALL MAPSET(mapsetid)

Explanation: Mapset mapsetid has been installed into CICS by userid userid at terminal terminal using transaction tranid.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: date, time, applid, userid, tranid, mapsetid

DFHRD0103 date time applid terminal userid tranid INSTALL PARTITIONSET(partitionsetid)

Explanation: Partitionset partitionsetid has been installed into CICS by userid userid at terminal terminal using transaction tranid.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: date, time, applid, userid, tranid, partitionsetid

DFHRD0104 date time applid terminal userid tranid INSTALL TRANSACTION(transid)

Explanation: Transaction transid has been installed into CICS by userid userid at terminal terminal using transaction tranid.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: date, time, applid, userid, tranid, transid
DFHRD0105  date time applid terminal userid tranid INSTALL
PROFILE(profid)

Explanation: Profile profid has been installed into CICS by userid
userid at terminal terminal using transaction tranid.

System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, profid

DFHRD0106  date time applid terminal userid tranid INSTALL
FILE(fileid)

Explanation: File fileid has been installed into CICS by userid
userid at terminal terminal using transaction tranid.

System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, fileid

DFHRD0107  date time applid terminal userid tranid INSTALL
LSRPOOL(lsrooloid)

Explanation: Lsrpool lsrooloid has been installed into CICS by userid
userid at terminal terminal using transaction tranid.

System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, lsrooloid

DFHRD0108  date time applid terminal userid tranid INSTALL
PARTNER(partner_name)

Explanation: Partner partner_name has been installed into CICS by userid
userid at terminal terminal using transaction tranid.

System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, partner_name

DFHRD0109  date time applid terminal userid tranid INSTALL
TRANCLASS(tranclassid)

Explanation: Transaction class tranclassid has been installed into CICS by userid
userid at terminal terminal using transaction tranid.

System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, tranclassid

DFHRD0110  date time applid terminal userid tranid INSTALL
TDQUEUE(tdqueueid)

Explanation: Transient data queue tdqueueid has been installed into CICS by userid
userid at terminal terminal using transaction tranid.

System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, tdqueueid

DFHRD0111  date time applid terminal userid tranid INSTALL
JOURNALMODEL(journalmodelid)

Explanation: Journal model journalmodelid has been installed into CICS by userid
userid at terminal terminal using transaction tranid.

System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, journalmodelid

DFHRD0112  date time applid terminal userid tranid INSTALL
DB2CONN(db2conn-name)

Explanation: DB2CONN db2conn-name has been installed into CICS by userid
userid at terminal terminal using transaction tranid.

System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, db2conn-name

DFHRD0113  date time applid terminal userid tranid INSTALL
DB2ENTRY(db2entry-name)

Explanation: DB2ENTRY db2entry-name has been installed into CICS by userid
userid at terminal terminal using transaction tranid.

System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, db2entry-name

DFHRD0114  date time applid terminal userid tranid INSTALL
DB2TRAN(db2tran-name)

Explanation: DB2TRAN db2tran-name has been installed into CICS by userid
userid at terminal terminal using transaction tranid.

System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid, db2tran-name

DFHRD0115 date time applid terminal userid tranid INSTALL
PROCESSTYPE(processstype-name)
Explanation: PROCESSTYPE processstype-name has been
installed into CICS by userid userid at terminal terminal using
transaction tranid.
System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid,
processstype-name

DFHRD0116 date time applid terminal userid tranid INSTALL
TSMODEL(tsmodel-name)
Explanation: TSMODEL tsmodel-name has been installed into
CICS by userid userid at terminal terminal using transaction tranid.
System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid,
tsmodel-name

DFHRD0117 date time applid terminal userid tranid INSTALL
ENQMODEL(enqmodel-name)
Explanation: ENQMODEL enqmodel-name has been installed
into CICS by userid userid at terminal terminal using transaction tranid.
System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid,
enqmodel-name

DFHRD0118 I date time applid terminal userid tranid INSTALL
REQUESTMODEL(rqmodel-name)
Explanation: REQUESTMODEL rqmodel-name has been
installed into CICS by userid userid at terminal terminal using
transaction tranid.
System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid,
rqmodel-name

DFHRD0119 I date time applid terminal userid tranid INSTALL
DOCTEMPLATE(doctemplate-name)
Explanation: DOCTEMPLATE doctemplate-name has been
installed into CICS by userid userid at terminal terminal using
transaction tranid.
System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid,
doctemplate-name

DFHRD0120 I date time applid terminal userid tranid INSTALL
TCPIPSERVICE(tcpipservice-name)
Explanation: TCPIPSERVICE tcpipservice-name has been
installed into CICS by userid userid at terminal terminal using
transaction tranid.
System Action: Processing continues.
User Response: None.
Destination: CRDI
Module: DFHAMP
XMEOUT Parameters: date, time, applid, terminal, userid, tranid,
tcpipservice-name
DFHRMxxxx messages

DFHRM0001 applid An abend (code code) has occurred at offset X'offset' in module module.

Explanation: An unexpected program check or abend occurred with abend code aaa/bbbb.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This may have been caused by corruption of CICS code or control blocks.

System Action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

User Response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHRMDM, DFHRMCD, DFHRMCD1

XMEOUT Parameters: applid, code, X'offset', module

DFHRM0002 applid A severe error (code X'code') has occurred in module module.

Explanation: The recovery manager domain has received an unexpected error response from some other part of CICS. The operation requested by recovery manager is described by code X'code'.

For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System Action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHRMDM, DFHRMCD1, DFHRMCD, DFHRMC2, DFHRMC3

XMEOUT Parameters: applid, X'code', module

DFHRM0104 date time applid intersystem communication failure. Resource updates are being committed. Local resources may be out of sync with those on the remote system. Failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation: Communication with the remote system has been interrupted. The remote system contains the coordinator of this unit of work and the notification of the outcome of the distributed unit of work has not been received.

The unit of work is unilaterally committing the local resource updates rather than waiting for the return of the coordinator system.

The unit of work may not shunt for one of the following reasons:

- The transaction definition specifies WAIT(NO).
- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work involves a task related user exit which is not enabled with the INDOUTWAIT option.
- The unit of work has updated a recoverable transient data destination, which is defined with WAIT(NO).
- The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

Even if the unit of work was shunted, one of the following reasons will cause it to take unilateral action:

- The WAITTIME specified in the transaction definition has expired.
- Resynchronization has been preempted by either:
  - Setting the connection with the remote system NOTPENDING.
  - Setting the connection with the remote system NORECOVDATA.
  - The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
  - Forcing the unit of work.

The local resource updates are being committed since either:

- The unit of work has been explicitly forced to commit.
- The ACTION attribute of the definition of the locally executing transaction specified COMMIT.

One system may have committed its resource updates and the other backed out, leaving updates out of synchronization. This is checked for when communication is re-established, and one of the following messages is issued:

DFHRM0110
DFHRM0111
DFHRM0112
DFHRM0113
DFHRM0114
DFHRM0115
DFHRM0116
DFHRM0117
DFHRM0118
DFHRM0119
DFHRM0120
DFHRM0121
The original failure information provides correlation between this message and its follow-up.

**System Action:** The system commits the local resource updates and releases the locks associated with those updates.

**User Response:** Take user-defined action, if any, to protect data integrity until the remote and the local data can be synchronized.

**Destination:** CSMT

**Module:** DFHRMLSO

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

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**DFHRM0105**

*date time applid* Intersystem communication failure. Resource updates are being backed out. Local resources may be out of sync with those on the remote system. Failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation:** Communication with the remote system has been interrupted. The remote system contains the coordinator of this unit of work and the notification of the outcome of the distributed unit of work has not been received.

The unit of work is unilaterally backing out the local resource updates rather than waiting for the return of the coordinator system. The unit of work may not shunt for one of the following reasons:

- The transaction definition specifies WAIT(NO).
- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work involves a task related user exit which is not enabled with the INDOUBTWAIT option.
- The unit of work has updated a recoverable transient data destination, which is defined with WAIT(NO).
- The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

Even if the unit of work was shunted, one of the following reasons will cause it to take unilateral action:

- The WAITTIME specified in the transaction definition has expired.
- Resynchronization has been preempted by either:
  - Setting the connection with the remote system NOTPENDING.
  - Setting the connection with the remote system NORECOVDATA.
  - The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
  - Forcing the unit of work.

The local resource updates are being backed out since either

- The unit of work has been explicitly forced to backout.
- The ACTION attribute of the definition of the locally executing transaction specified BACKOUT.

One system might have committed its resource updates and the other backed out, leaving updates out of synchronization. This is checked for when communication is re-established, and one of the following messages is issued:

- DFHRM0110
- DFHRM0111
- DFHRM0112
- DFHRM0113
- DFHRM0114
- DFHRM0115
- DFHRM0116
- DFHRM0117
- DFHRM0118
- DFHRM0119
- DFHRM0120
- DFHRM0121
- DFHRM0122
- DFHRM0123

The original failure information provides correlation between this message and its follow-up.

**System Action:** The system backs out the local resource updates and releases the locks associated with those updates.

**User Response:** Take user-defined action, if any, to protect data integrity until the remote and the local data can be synchronized.

**Destination:** CSMT

**Module:** DFHRMLSO

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

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**DFHRM0106**

*date time applid* Intersystem communication failure. Resource updates will not be committed or backed out until session recovery. Failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation:** Communication with the remote system has been interrupted. The remote system is the coordinator of this unit of work, and the notification of the outcome of the distributed unit of work has not been received. The definition of the remote resource updates is such that it cannot await the return of the coordinator system. The role of the session in the unit of work is such that it cannot await the return of the remote system.

The unit of work involves an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.

Even if the unit of work was shunted, one of the following reasons will cause it to take unilateral action:

- The transaction definition specifies WAIT(NO).
- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work involves a task related user exit which is not enabled with the INDOUBTWAIT option.
- The unit of work has updated a recoverable transient data destination, which is defined with WAIT(NO).
- The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

Even if the unit of work was shunted, one of the following reasons will cause it to take unilateral action:

- The WAITTIME specified in the transaction definition has expired.
- Resynchronization has been preempted by either:
  - Setting the connection with the remote system NOTPENDING.
  - Setting the connection with the remote system NORECOVDATA.
  - The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
  - Forcing the unit of work.

The local resource updates are being backed out since either

- The unit of work has been explicitly forced to backout.
- The ACTION attribute of the definition of the locally executing transaction specified BACKOUT.

If the time specified by the WAITTIME in the transaction definition of the locally executing transaction expires before communication is re-established, then the resource updates are committed or backed out in accordance with the ACTION attribute and one of the following messages is issued:

- DFHRM0104
- DFHRM0105
If a decision to preempt resynchronization activity is taken at the local system by either:

- Setting the connection with the remote system NOTPENDING.
- Setting the connection with the remote system NORECOVDATA.
- The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
- Forcing the unit of work.

then again the resource updates are committed or backed out accordingly and one of the following messages is issued:

DFHRM0125
DFHRM0126

**System Action:** Processing continues. Locks associated with the resource updates are preserved.

**User Response:** Re-establish communication with the remote system as soon as possible.

**Destination:** CSMT

**Module:** DFHRMLSS

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

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**DFHRM0107**

*date time applid Intersystem communication failure.*

Resource updates may be out of sync. Failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid';

**Explanation:** Communication with a remote system has been interrupted. This may be due to the failure of a session to a remote system or the failure of a CFDT server system. The resource updates in the local system are committing or backing out. The notification of the outcome of the distributed unit of work might not reach the remote system or server. One system might commit its resource updates while the other backs them out leaving updates out of synchronization. This is checked for at session or server recovery, and one of the following messages is issued:

DFHRM0110
DFHRM0111
DFHRM0114
DFHRM0117
DFHRM0120
DFHRM0123
DFHRM0135

If a decision to preempt resynchronization activity is taken at the local system by either:

- Setting the connection with the remote system NOTPENDING.
- Setting the connection with the remote system NORECOVDATA.
- The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
- Forcing the unit of work.

then again the resource updates are committed or backed out accordingly and DFHRM0127 is issued.

**System Action:** The system commits or backs out the local resource updates and releases the locks associated with those updates.

**User Response:** Re-establish communication with the remote system as soon as possible.

**Destination:** CSMT

**Module:** DFHRMLSS

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'
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DFHRM0111 date time applid Intersystem communication recovery. Distributed unit of work found to be not synchronized. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid netuowid X’localuowid’.

Explanation: Resynchronization with the remote system which is a subordinate in the unit of work has occurred following the resumption of communication, or the unshunting of the unit of work on the local system. It was found either the local or remote system (or both) had already taken a decision for their part of the distributed unit of work. It has now been established that the decisions of the local and remote systems are out of synchronization.

System Action: Processing continues.
User Response: Take user-defined action to resynchronize the resources in local and remote systems if necessary.

Destination: CSMT
Module: DFHRMLN
XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X’localuowid’

DFHRM0112 date time applid Intersystem communication recovery. The remote system has reinitialized. The local unit of work is backed out. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X’localuowid’.

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that the remote system has reinitialized and now has no knowledge of the unit of work. The resource updates of the distributed unit of work in the remote system might have committed or backed out.

If the session is an MRO session to a pre-CICS Transaction Server system, this message may be issued even if the remote system was not reinitialized. This can only occur if the session failed during its first unit of work since connection.

The unit of work in the local system was in doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. This will never be received.

The local unit of work is backed out in accordance with the ACTION attribute in the transaction definition.

System Action: The system backs out the local resource updates and releases the locks associated with those updates.
User Response: Take user-defined action to resynchronize the resources in local and remote systems if necessary.

Destination: CSMT
Module: DFHRMLN
XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X’localuowid’

DFHRM0113 date time applid Intersystem communication recovery. The remote system has reinitialized. The local unit of work is backed out. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X’localuowid’.

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that the remote system has reinitialized and now has no knowledge of the unit of work. The resource updates of the distributed unit of work in the remote system might have committed or backed out.

If the session is an MRO session to a pre-CICS Transaction Server system, this message may be issued even if the remote system was not reinitialized. This can only occur if the session failed during its first unit of work since connection.

The unit of work in the local system was in doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. This will never be received.

The local unit of work is backed out in accordance with the ACTION attribute in the transaction definition.

System Action: The system backs out the local resource updates and releases the locks associated with those updates.
User Response: Take user-defined action to resynchronize the resources in local and remote systems if necessary.

Destination: CSMT
Module: DFHRMLN
XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X’localuowid’
DFHRM0115  date time applid Intersystem communication recovery. The remote system sent mixed heuristic outcome. Resource updates will be committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid netuowid local UOW X'localuowid'.

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The local system was in doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The notification received does not determine whether to commit or back out the local resource updates. The remote system did not determine whether to commit or back out the local resource updates. The local resource updates are committed in accordance with the ACTION attribute in the transaction definition.

System Action: The system commits the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT
Module: DFHRMLN
XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

DFHRM0116  date time applid Intersystem communication recovery. The remote system sent mixed heuristic outcome. The unit of work will be backed out. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid netuowid local UOW X'localuowid'.

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The local system was in doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The notification received does not determine whether to commit or back out the local resource updates. The local resource updates are committed in accordance with the ACTION attribute in the transaction definition.

System Action: The system backs out the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined actions to resynchronize resources in local and remote systems, if necessary.

Destination: CSMT
Module: DFHRMLN
XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

DFHRM0117  date time applid Intersystem communication recovery. The remote system sent mixed heuristic outcome. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The resource updates in the local system had previously committed or backed out.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT
Module: DFHRMLN
XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

DFHRM0118  date time applid Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Resource updates will be committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW uowid local UOW X'localuowid'.

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system was in doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the local resource updates. The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are committed in accordance with the ACTION attribute in the transaction definition.

System Action: The system commits the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined actions to resynchronize resources in local and remote systems, if necessary.

Destination: CSMT
Module: DFHRMLN
XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, uowid, X'localuowid'

DFHRM0119  date time applid Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Resource updates will be backed out. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system was in doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the local resource updates. The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are backed out.

System Action: Processing continues.

User Response: Take user-defined actions to resynchronize the resources in local and remote systems, if necessary.

Destination: CSMT
Module: DFHRMLN
XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'
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the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the resource updates.

The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are backed out in accordance with the ACTION attribute in the transaction definition.

**System Action:** The system backs out the local resource updates and releases the locks associated with those updates.

**User Response:** Take user-defined action to resynchronize resources in local and remote systems, if necessary.

**Destination:** CSMT

**Module:** DFHRMLN

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

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**DFHRM0120**

**Intersystem communication recovery.** Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation:** Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. Information received from the remote system did not determine whether resource updates in the distributed unit of work committed or backed out. The resource updates in the local system had previously committed or backed out.

**System Action:** Processing continues.

**User Response:** Take user-defined action to resynchronize the resources in the local and remote systems.

**Destination:** CSMT

**Module:** DFHRMLN

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

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**DFHRM0121**

**Intersystem communication recovery.** A protocol violation was detected during resynchronization with the remote system. Resource updates will be committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation:** Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The local system cannot determine whether to commit or back out the resource updates to be consistent other resource changes in the distributed unit of work. The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are committed in accordance with the ACTION attribute in the transaction definition.

**System Action:** The system commits the local resource updates and releases the locks associated with those updates.

**User Response:** Take user-defined action to resynchronize the resources in the local and remote systems.

**Destination:** CSMT

**Module:** DFHRMLN

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

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**DFHRM0122**

**Intersystem communication recovery.** A protocol violation was detected during resynchronization with the remote system. Resource updates will be backed out. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation:** Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The local system cannot determine whether to commit or back out the resource updates to be consistent other resource changes in the distributed unit of work. The definition of the locally executing transaction is used to decide whether to commit or back out the remote system did not determine whether to commit or back out the outcome from the remote system. The local system cannot determine whether to commit or back out the resource updates to be consistent other resource changes in the distributed unit of work. The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are backed out in accordance with the ACTION attribute in the transaction definition.

**System Action:** The system backs out the local resource updates and releases the locks associated with those updates.

**User Response:** Take user-defined action to resynchronize the resources in the local and remote systems.

**Destination:** CSMT

**Module:** DFHRMLN

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

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**DFHRM0123**

**Intersystem communication recovery.** A protocol violation was detected during resynchronization with the remote system. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation:** Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The resource updates in the local system had previously committed or backed out.

**System Action:** Processing continues.

**User Response:** Take user-defined action to resynchronize the resources in the local and remote systems.

**Destination:** CSMT

**Module:** DFHRMLN

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'
DFHRM0124  

Date Time Applid Intersystem communication recovery. Resource updates are out of sync. Network UOW netuowid remote system name.

Explanation: Intersystem communication recovery is in progress. The remote system has attempted to resynchronize a unit of work but the local system no longer has any knowledge of that unit of work. This is because the last agent or the presumed abort protocol is being used and the local system backed out the resource updates associated with the unit of work. The remote system has sent notification that the resource updates in the remote system did not back out.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: date, time, applid, netuowid, name

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DFHRM0125  

Date Time Applid Clear pending issued. The connection to the remote system has been set NOTPENDING. Resource updates will be committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation: The connection with the remote system has been set NOTPENDING or NORECOVDATA, or the connection is defined with XLNATION(FORCE). The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Setting the connection with the remote system NOTPENDING or NORECOVDATA preempts the notification of the outcome from the remote system. The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are backed out in accordance with the ACTION attribute in the transaction definition.

System Action: The system backs out the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN, DFHRMLK4, DFHRMLSO, DFHRMLSS

XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

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DFHRM0126  

Date Time Applid Clear pending issued. The connection to the remote system has been set NOTPENDING. Resource updates will be backed out. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation: The connection with the remote system has been set NOTPENDING or NORECOVDATA, or the connection is defined with XLNATION(FORCE). The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Setting the connection with the remote system NOTPENDING or NORECOVDATA preempts the notification of the outcome from the remote system. The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are backed out in accordance with the ACTION attribute in the transaction definition.

System Action: The system backs out the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN, DFHRMLK4, DFHRMLSO, DFHRMLSS

XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

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DFHRM0127  

Date Time Applid Clear pending issued. The connection to the remote system has been set NOTPENDING. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation: Communication between the systems had previously failed during a syncpoint. Resynchronization between the systems has been preempted. The connection with the remote system has been:

- Set NOTPENDING,
- Set NORECOVDATA,
- Reestablished and is defined with XLNATION(FORCE).

If the unit of work in the local system was in-doubt about the outcome of the distributed unit of work, local resource updates are committed or backed out in accordance with the ACTION attribute in the transaction definition.

Since no resynchronization with the remote system is attempted, the resource updates in the local and remote systems might be out of synchronization.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN, DFHRMLK4, DFHRMLSO, DFHRMLSS

XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

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DFHRM0129  

Date Time Applid Intersystem communication failure. Resource updates may be out of sync. Failure date mm/dd/yy failure time hh:mm:ss remote system name transaction transaction task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation: Communication with the remote system has failed. The resource updates in the local system are committing or backing out. The notification of the outcome of the distributed unit of work might not reach the remote system. One system might commit its resource updates while the other backs them out leaving updates out of synchronization. There will be no resolution message when the local and remote systems resynchronize, because the remote system does not provide the local system with resynchronization information.

System Action: The system commits or backs out the local resource updates and releases the locks associated with those updates. Information is retained to enable resynchronization with the remote system.
User Response: Reestablish communication with the remote system as soon as possible. The local system is the coordinator, and will provide indoubt resolution information for the remote system when communication is reestablished. If the remote system has taken a heuristic decision regarding the unit of work, then it should have provided diagnostic information to indicate this.

Destination: CSMT

Module: DFHRLMSO

XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

DFHRM0130 applid Recovery manager has successfully quiesced.

Explanation: The recovery manager has quiesced.

The warm keypoint has been taken.

System Action: Shutdown continues.

User Response: None.

Destination: Console

Module: DFHRMNDM

XMEOUT Parameter: applid

DFHRM0131 applid Resynchronization required with protocol resources.

Explanation: This system contained unquiesed state when shutdown was performed. The state may consist of units of work or lognames (lognames can exist for communications protocols IRC and APPC only). This system may need to perform resynchronization with other systems to resolve the outcome of any distributed units of work. This can be done as part of the work of a subsequent CICS system.

The systems with which resynchronization is necessary are reported in messages DFHRM0132 or DFHRM0133.

A subsequent CICS start which reinitializes the catalog and system log data would discard the units of work and/or lognames and cause a possible loss of data integrity.

System Action: Shutdown continues.

User Response: To maintain data integrity, perform an AUTO start and enable resynchronization with the appropriate systems.

Destination: Console

Module: DFHRMNS2

XMEOUT Parameters: applid, protocol

DFHRM0132 date time applid Resynchronization is required with protocol system system.

Explanation: A unit of work active in the system at shutdown requires resynchronization with the named system. The unit of work was part of a distributed unit of work and resynchronization is necessary to resolve the outcome.

Resynchronization occurs after a subsequent start unless catalog and system log information is reinitialized.

System Action: Shutdown continues.

User Response: If necessary, take user-defined action to protect data integrity until the remote and the local data can be synchronized.

Destination: CSMT

Modules: DFHRMLKQ, DFHRMNS2

XMEOUT Parameters: date, time, applid, protocol, system

DFHRM0133 date time applid Resynchronization may be required with protocol system system.

Explanation: This system exchanged lognames with the remote system and so may require resynchronization with that system. Resynchronization occurs after a subsequent CICS start unless catalog or system log information is reinitialized.

System Action: Shutdown continues.

User Response: If necessary, take user-defined action to protect data integrity until resynchronization takes place.

Destination: CSMT

Module: DFHRMNS2

XMEOUT Parameters: date, time, applid, protocol, system

DFHRM0134 applid Recovery manager domain failed reading the global catalog, or did not find its control record.

Explanation: The recovery manager domain has failed while reading the global catalog. Either it was trying to establish the status of the system at the termination of the last execution of CICS and the control record was missing or invalid, or else it could not read the catalog successfully.

System Action: CICS terminates abnormally with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the error using the dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, see the description of the CICS message already issued from the catalog for guidance.

If the problem has been caused by an invalid data length, see the exception trace entry in the trace table.

If the problem has been caused by a missing control record, the catalog is not suitable for a recoverable start and you should perform an initial start.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: applid

DFHRM0135 date time applid Intersystem communication recovery. Resource updates found to be synchronized. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation: Resynchronization with the remote system which is a subordinate in the unit of work has occurred following the resumption of communication, or the unhunting of the unit of work on the local system. Either the remote system had already taken a decision for its local resource updates in the distributed unit of work, or the remote system was waiting for the decision from this system. In either case, it has now been established that the resource updates in the local and remote systems are synchronized.

System Action: Processing continues.
DFHRM0136 applid The applid has changed from old_applid to new_applid. Recovery cannot continue.

Explanation: Recovery is requested, but the applid recovered by the recovery manager domain from the CICS catalog is different from that specified for the system. This implies that the identity of the system on the network has changed. The system must maintain the same identity on the network for resynchronization to be performed with other systems.

System Action: The system is terminated.

User Response: If recovery and resynchronization is required, correct the applid in the SIT and restart the system. Do not reinitialize catalog or system log information unless you wish to change the identity of the CICS system.

Destination: Console
Module: DFHRMDM
XMEOUT Parameters: applid, old_applid, new_applid

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DFHRM0139 date time applid UOWLINK deleted by user action. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction trancid task number trannum terminal termid userid network UOW netuowid local UOW X'localuowid'.

Explanation: This message is issued to confirm the deletion of a UOW-link (UOWLINK) by a CEMT or EXEC CICS SET UOWLINK ACTION(DELETE) command. This command is used to delete links that were created by connections that have since been discarded.

System Action: The system continues normally.

User Response: None.

Destination: CSMT
Module: DFHRMLN
XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, trancid, trannum, termid, userid, network UOW, netuowid, local UOW, X'localuowid'.

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DFHRM0140 applid Recovery manager autostart override found with value: 'autofield'.

Explanation: Recovery manager has located an autostart override record in the global catalog data set which does not have one of the values: AUTOINIT, AUTOCOLD, or AUTOASIS.

System Action: The system continues. If this is an AUTO start, the autostart override value in the message is used to determine the type of start to be performed.

User Response: No action is necessary.

Destination: Console
Module: DFHRMDM
XMEOUT Parameters: applid, autofield

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DFHRM0141 applid Recovery manager autostart override record is not present. Normal processing continues.

Explanation: There is no autostart override record in the global catalog data set. If you have not used the utility DFHRMUTL this message is normal for an AUTO start and does not represent a problem.

System Action: The default auto start processing continues. This is equivalent to an AUTOASIS value in an autostart override record.

User Response: No action is necessary.

Destination: Console
Module: DFHRMDM
XMEOUT Parameter: applid

---

DFHRM0142 applid Recovery manager autostart override record found to be: 'autofield', and this is not a valid value. AUTOASIS is assumed instead.

Explanation: Recovery manager has located an autostart override record in the global catalog data set which does not have one of the values: AUTOINIT, AUTOCOLD, or AUTOASIS.

System Action: AUTOASIS is assumed, a dump is taken, and the system continues. The override record will be removed at startup as usual.

User Response: No action is necessary. To correctly set the autostart override record the utility DFHRMUTL should be used prior to starting CICS.

Destination: Console
Module: DFHRMDM
XMEOUT Parameters: applid, autofield

---

DFHRM0143 applid Recovery manager autostart override record is invalid. 'AUTOASIS' is assumed.

Explanation: Recovery manager has found an autostart override record in the global catalog data set, but it has an invalid length or is in the wrong format.

System Action: A dump is taken and the system continues. The autostart override value is assumed to be AUTOASIS. The autostart override record is removed from the catalog at startup as usual.

User Response: Investigate why the global catalog data set should have been incorrectly modified. The DFHRMUTL utility is used to correctly set the autostart override record prior to starting CICS.

Destination: Console
Module: DFHRMDM
XMEOUT Parameter: applid

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DFHRM0144 applid Recovery manager catalog record indicates that no recovery is possible. An initial start is required.

Explanation: Recovery manager has read its catalog record from the global catalog data set and this indicates that no recovery is possible. The most likely reason is that CICS detected a corrupted log before the last CICS shutdown. Startup cannot continue with these start parameters.

System Action: CICS terminates abnormally with a dump.
Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Determine whether the CICS startup job correctly identifies the global catalog data set. If it does, the system log may be unusable and you must perform an initial start of CICS.

If the global catalog data set was incorrectly identified, retry the job with the correct global catalog data set.

**Destination:** Console
**Module:** DFHRMDM
**XMEOUT Parameter:** applid

**Explanation:** Recovery manager does not recognize the form of start requested by SIT parameters and overrides.

**System Action:** CICS terminates abnormally with a dump.

**User Response:** This failure is caused by an internal CICS inconsistency. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console
**Module:** DFHRMDM
**XMEOUT Parameter:** applid

**Explanation:** A cold start has been requested, and no recovery control record information was found in the global catalog data set. Either this is the first execution of CICS with this global catalog data set, the wrong global catalog data set is being used, or the global catalog data set has been initialized without information necessary for recovery.

**System Action:** The system waits for a response.

**User Response:** If this is the first time CICS has been run with this global catalog data set, or if it is intended to delete all recovery information from the system log, reply 'GO'. This forces an initial start with no system log information retained from previous CICS executions. In particular, information used to resynchronize with remote CICS systems is cleared as well as all local recovery information.

If this is not the first time, or if you wish to retain system log information and try with another global catalog data set, reply 'CANCEL' to terminate this CICS execution. Nothing is discarded in this case. Check the global catalog data set and try again.

**Destination:** Console
**Module:** DFHRMDM
**XMEOUT Parameter:** applid

**Explanation:** A reply of 'CANCEL' was received.

**System Action:** CICS terminates.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** None.
**Destination:** Console
**Module:** DFHRMDM
**XMEOUT Parameter:** applid

**Explanation:** Intersystem communication recovery is in progress. The remote system has attempted to resynchronize a unit of work and the local system no longer has any knowledge of that unit of work. This is because the local system was the coordinator, and the last agent or presumed abort protocols were being used. Any local resource updates associated with the unit of work were backed out. The remote system has sent notification that the resource updates in the remote system are still indoubt (and will be backed out following resynchronization) or have already been backed out.

**System Action:** Processing continues.
**User Response:** None.
**Destination:** CSMT
**Module:** DFHRMLN
**XMEOUT Parameters:** date, time, applid, netuowid, name

**Explanation:** Recovery manager has found an autostart override record in the global catalog data set. It is deleted after the correct startup type is determined unless this is a diagnostic run. If this is a diagnostic run the recovery manager global catalog records are not altered.

**System Action:** Unless this is a diagnostic run the record is removed from the global catalog data set and will not influence subsequent starts.
**User Response:** None.
**Destination:** Console
**Module:** DFHRMDM
**XMEOUT Parameter:** applid

**Explanation:** Recovery manager has performed a diagnostic run to AUTODIAG override record is finished. CICS will now terminate.

**System Action:** The system terminates. A dump is taken.
**User Response:** No further action is necessary.
**Destination:** Console
**Module:** DFHRMDM
**XMEOUT Parameter:** applid
DFHRM0151  applid Diagnostic run is initiated. A simulated AUTO start is performed for diagnostic purposes only.

Explanation: Recovery manager has detected a diagnostic run override (AUTODIAG) on the global catalog. This run of CICS will not perform any application processing and is for diagnostic purposes only.

System Action: The system continues. A dump is taken later prior to terminating.

User Response: No further action is necessary at this time. See the CICS Problem Determination Guide for details of the reasons you might want to perform a diagnostic run, and for other diagnostics you may wish to preserve at the same time.

Destination: Console
Module: DFHRMDM
XMEOUT Parameter: applid

DFHRM0152  applid Recovery manager autostart override record is set to AUTODIAG.

Explanation: The recovery manager autostart override record on the global catalog has been set to AUTODIAG to allow a diagnostic run before the next initial start.

System Action: Processing continues.

User Response: No action is necessary. See the CICS Problem Determination Guide for information about how to perform a diagnostic run.

Destination: Console
Module: DFHRMDM
XMEOUT Parameter: applid

DFHRM0154  applid Uncommitted local resource updates found on the System Log. COLD start is NOT preserving data integrity.

Explanation: A cold start has been requested, but units of work containing uncommitted local resource updates have been found on the system log. The cold start will ignore this information and so data integrity will not be preserved for the affected resources.

System Action: The cold start continues.

Message DFHE0116 is normally produced containing the symptom string for this problem.

Destination: Console
Module: DFHRMU1E
XMEOUT Parameter: applid

DFHRM0156  applid This COLD start will NOT cause any damage to local resources.

Explanation: The recovery manager established that there were no uncommitted resource updates recorded on the system log from a previous execution of CICS. Thus there is no local recovery necessary.

System Action: System initialization continues.

User Response: None.

Destination: Console
Module: DFHRMU1E
XMEOUT Parameter: applid

DFHRM0151 applid Diagnostic run is initiated. A simulated AUTO start is performed for diagnostic purposes only.

Explanation: Recovery manager has detected a diagnostic run override (AUTODIAG) on the global catalog. This run of CICS will not perform any application processing and is for diagnostic purposes only.

System Action: The system continues. A dump is taken later prior to terminating.

User Response: No further action is necessary at this time. See the CICS Problem Determination Guide for details of the reasons you might want to perform a diagnostic run, and for other diagnostics you may wish to preserve at the same time.

Destination: Console
Module: DFHRMDM
XMEOUT Parameter: applid

DFHRM0152 applid Recovery manager autostart override record is set to AUTODIAG.

Explanation: The recovery manager autostart override record on the global catalog has been set to AUTODIAG to allow a diagnostic run before the next initial start.

System Action: Processing continues.

User Response: No action is necessary. See the CICS Problem Determination Guide for information about how to perform a diagnostic run.

Destination: Console
Module: DFHRMDM
XMEOUT Parameter: applid

DFHRM0154 applid Uncommitted local resource updates found on the System Log. COLD start is NOT preserving data integrity.

Explanation: A cold start has been requested, but units of work containing uncommitted local resource updates have been found on the system log. The cold start will ignore this information and so data integrity will not be preserved for the affected resources.

System Action: The cold start continues.

Message DFHE0116 is normally produced containing the symptom string for this problem.

Destination: Console
Module: DFHRMU1E
XMEOUT Parameter: applid

DFHRM0156 applid This COLD start will NOT cause any damage to local resources.

Explanation: The recovery manager established that there were no uncommitted resource updates recorded on the system log from a previous execution of CICS. Thus there is no local recovery necessary.

System Action: System initialization continues.

User Response: None.

Destination: Console
Module: DFHRMU1E
XMEOUT Parameter: applid

DFHRM0151

Explanation: Recovery manager has detected a diagnostic run override (AUTODIAG) on the global catalog. This run of CICS will not perform any application processing and is for diagnostic purposes only.

System Action: The system continues. A dump is taken later prior to terminating.

User Response: No further action is necessary at this time. See the CICS Problem Determination Guide for details of the reasons you might want to perform a diagnostic run, and for other diagnostics you may wish to preserve at the same time.

Destination: Console
Module: DFHRMDM
XMEOUT Parameter: applid

DFHRM0152

Explanation: The recovery manager autostart override record on the global catalog has been set to AUTODIAG to allow a diagnostic run before the next initial start.

System Action: Processing continues.

User Response: No action is necessary. See the CICS Problem Determination Guide for information about how to perform a diagnostic run.

Destination: Console
Module: DFHRMDM
XMEOUT Parameter: applid

DFHRM0154

Explanation: A cold start has been requested, but units of work containing uncommitted local resource updates have been found on the system log. The cold start will ignore this information and so data integrity will not be preserved for the affected resources.

System Action: The cold start continues.

Message DFHE0116 is normally produced containing the symptom string for this problem.

Destination: Console
Module: DFHRMU1E
XMEOUT Parameter: applid

DFHRM0156

Explanation: The recovery manager established that there were no uncommitted resource updates recorded on the system log from a previous execution of CICS. Thus there is no local recovery necessary.

System Action: System initialization continues.

User Response: None.

Destination: Console
Module: DFHRMU1E
XMEOUT Parameter: applid

DFHRM0200 applid indoubt_uows indoubt UOWs were reconstructed.

Explanation: This message displays the number of indoubt units of work (UOWs), indoubt_uows, which were reconstructed on a warm or emergency restart.

It is issued only if there is at least one UOW which is indoubt. It is issued before any of the reconstructed UOWs are unshunteed and processed in parallel.

System Action: The system has performed the backwards scan of the system log and is about to start unshunting UOWs which need further processing.

The system commits or backs out UOWs which were indoubt and for which either of the following conditions apply:

- The transaction is defined with WAIT(NO)
- The transaction is defined with WAIT(YES) and the WAITTIME has expired.

Note: A WAITTIME of zero implies an indefinite wait.

Where communications with the coordinator systems is possible, UOWs are unshunted and updates are committed or backed out on the local system. These updates are synergized with the updates made on the coordinator system.

Where communications with the coordinator systems is not immediately possible, UOWs are preserved until resynchronization with the coordinator system is possible or until the WAITTIME expires. The suspension of these indoubt UOWs causes updated recoverable resources to remain locked against subsequent updates.

User Response: None.

If further investigation is required, use the CEMT INQUIRE UOW INDUBT and CEMT INQUIRE UOWENO RETAINED commands once CICS has initialized. These commands detail the indoubt UOWs and the associated retained enqueues.

Destination: Console
Module: DFHRMU1E
XMEOUT Parameters: applid, indoubt_uows

DFHRM0201 date time applid bfail_uows backout-failed and cfail_uows commit-failed UOWs were reconstructed.

Explanation: This message displays the number of backout-failed units of work (UOWs), bfail_uows, and the number of commit-failed UOWs, cfail_uows, which were reconstructed on a warm or emergency restart.

This message is issued only if there is at least one such UOW. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

Note: This message is issued before the commit-failed and backout-failed UOWs are processed. Many of these UOWs are likely to be resolved during CICS initialization. Any true commit-failed or backout-failed UOWs are highlighted by further messages issued during CICS initialization. Also, once CICS is fully initialized, the master terminal transaction (CEMT) can be used to determine whether there are any outstanding commit-failed or backout-failed UOWs.

System Action: The system has performed the backwards scan of the system log and is about to start unshunting UOWs which need further processing.

UOWs which have failed to back out locally or commit locally are retried.
Chapter 1. DFH messages

DFHRM0204 date time applid inflight_uows inflight UOWs were reconstructed.

Explanation: This message displays the number of inflight units of work (UOWs), inflight_uows, which were reconstructed on an emergency restart.

It is issued only if there is at least one inflight UOW which is inflight. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

System Action: The system has performed the backwards scan of the system log and is about to start unshunting UOWs which need further processing.

User Response: None.

Destination: CSMT

Module: DFHRM0204

XMEOUT Parameters: date, time, applid, bfail_uows, cfail_uows

DFHRM0205 date time applid An activity keypoint has been successfully taken.

Explanation: CICS has successfully taken an activity keypoint. This message is also issued for the shutdown keypoint.

System Action: Normal processing continues..

User Response: None.

Destination: CSMT

Module: DFHRMR1K

XMEOUT Parameters: date, time, applid

DFHRM0206 date time applid Intersystem communication recovery. A unit of work recovered only for remote resynchronization is now being committed. Local resources are not synchronized with the unit of work. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid userid network UOW netuowid local UOW X'localuowid'.

Explanation: This message is issued during intersystem communication recovery as a follow up to message DFHRM0106. Communication with the remote system that is the coordinator of this unit of work has been re-established and resynchronization is taking place. It has now been established that the remote system completed the synchronization point. Since this unit of work was recovered as part of a cold start, no local resources were locked pending this resynchronization and local resources are not synchronized with this decision.

System Action: The system allows the unit of work to commit for the purposes of resynchronization with remote systems. No local resources are changed.

User Response: None.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'map_applid'

DFHRM0207 date time applid There are indoubt_uows indoubt, cfail_uows commit-failed and bfail_uows backout-failed UOWs.

Explanation: This message displays the numbers of indoubt units of work (UOWs) indoubt_uows, backout-failed UOWs bfail_uows, and commit-failed UOWs cfail_uows in the CICS system at the time of the normal shutdown.

It is issued only if there is at least one such UOW. If there are none, message DFHRM0204 is issued instead.

Messages DFHRM0203 and DFHRM0204 can be used to determine whether or not it is safe to cold start CICS following a normal shutdown without losing resynchronization information. See DFHRM0204 for more information.

System Action: Shutdown processing continues.

User Response: None.

Destination: Console

Module: DFHRM1U1K

XMEOUT Parameters: applid, indoubt_uows, cfail_uows, bfail_uows

DFHRM0208 date time applid There are no indoubt, commit-failed or backout-failed UOWs.

Explanation: There are no indoubt, commit-failed, or backout-failed units of work (UOWs) in the CICS system at the time of the normal shutdown.

If there are any such units of work, message DFHRM0203 is issued.

This message indicates that it safe to do a cold start of CICS without losing any resynchronization information.

System Action: Shutdown processing continues.

User Response: None.

Destination: Console

Module: DFHRM1U1K

XMEOUT Parameter: applid

DFHRM0209 date time applid An activity keypoint has been successfully taken.

Explanation: CICS has successfully taken an activity keypoint. This message is also issued for the shutdown keypoint.

System Action: Normal processing continues..

User Response: None.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: date, time, applid

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DFHRM0212

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

**Explanation:** Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that the remote system has restarted and has no knowledge of the unit of work. The distributed unit of work in the remote system might have committed or backed out. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. This will never be received.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending this decision and local resources are not synchronized with the distributed unit of work. The unit of work is treated as committed in accordance with the ACTION attribute in the transaction definition.

If communication was via an MRO session to a pre-CICS Transaction Server system, this message may be issued even if the remote system was not restarted. This can only occur if the system failed during its first UOW since connection.

**System Action:** The system continues. Further remote resynchronization treats this unit of work as backed out.

**User Response:** Take user-defined actions to resynchronize resources in local and remote systems if necessary.

**Destination:** CSMT

**Module:** DFHRMLN

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

DFHRM0214

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

**Explanation:** Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that the remote system has restarted and has no knowledge of the unit of work. The distributed unit of work in the remote system might have committed or backed out. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The notification received does not determine whether the unit of work should be committed or backed out. The unit of work is treated as committed in accordance with the ACTION attribute in the transaction definition.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending this decision and so local resources are not synchronized with the distributed unit of work.

**System Action:** Processing continues.

**User Response:** Take user-defined actions to resynchronize resources in local and remote systems if necessary.

**Destination:** CSMT

**Module:** DFHRMLN

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

DFHRM0213

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

**Explanation:** Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that the remote system has restarted and has no knowledge of the unit of work. The distributed unit of work in the remote system might have committed or backed out. The unit of work in the local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. This will never be received.

Since the unit of work was recovered only for remote resynchronization no local resources were locked pending this outcome and local resources are not synchronized with the distributed unit of work.

The local unit of work is treated as backed out in accordance with the ACTION attribute in the local transaction definition.

If communication was via an MRO session to a pre-CICS Transaction Server system, this message may be issued even if the remote system was not reinitialized. This can only occur if the session failed during its first UOW since connection.

**System Action:** The system continues. Further remote resynchronization treats this unit of work as backed out.

**User Response:** Take user-defined actions to resynchronize resources in local and remote systems if necessary.

**Destination:** CSMT

**Module:** DFHRMLN

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'
**DFHRM0216** date time applid Intersystem communication recovery. The remote system sent mixed heuristic outcome. The unit of work is treated as backed out. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation:** Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The notification received does not determine whether to commit or back out the resource updates. The local unit of work is treated as backed out in accordance with the ACTION attribute in the transaction definition.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending this decision and local resources are not synchronized with the distributed unit of work.

**System Action:** The system continues. Further remote resynchronization treats this unit of work as backed out.

**User Response:** Take user-defined actions to resynchronize resources in local and remote systems if necessary.

**Destination:** CSMT

**Module:** DFHRMLN

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'.

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**DFHRM0218** date time applid Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Local resources are not synchronized. The distributed unit of work is committed. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW uowid local UOW X'localuowid'.

**Explanation:** Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the unit of work.

The unit of work is committed in accordance with the ACTION attribute in the local transaction definition.

Because this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution of the unit of work, and local resources are not synchronized with this commit.

Any further remote resynchronization treats this unit of work as committed.

**System Action:** The system commits the unit of work for the purposes of remote resynchronization.

**User Response:** Take user-defined actions to resynchronize resources in local and remote systems, if necessary.

**Destination:** CSMT

**Module:** DFHRMLN

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, uowid, X'localuowid'.

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**DFHRM0219** date time applid Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. The distributed unit of work is backed out. Local resources are not synchronized. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation:** Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the unit of work.

The unit of work is backed out in accordance with the ACTION attribute in the local transaction definition.

Because this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution of the unit of work, and local resources are not synchronized with this back out.

Any further remote resynchronization treats this unit of work as backed out.

**System Action:** The system backs out the unit of work for the purposes of remote resynchronization.

**User Response:** Take user-defined action to resynchronize resources in local and remote systems, if necessary.

**Destination:** CSMT

**Module:** DFHRMLN

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'.

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**DFHRM0220** date time applid Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW uowid local UOW X'localuowid'.

**Explanation:** Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. Information received from the remote system did not determine whether the distributed unit of work committed or backed out.

Since this unit of work was recovered only for remote resynchronization, no locks on local resources were held pending resolution of this unit of work, and the local resources are not synchronized with the distributed unit of work.

**System Action:** Processing continues.

**User Response:** Take user-defined action to resynchronize resources in local and remote systems if necessary.

**Destination:** CSMT
**DFHRM0221**  
**Module:** DFHRMLN  
**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X’localuowid’

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**DFHRM0221**  
**date time applid** Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. The distributed unit of work is treated as committed.  
**Original failure date mm/dd/yy** failure time hh:mm:ss  
**remote system name transaction tranid task number**  
**trannum terminal termid user userid network UOW**  
**netuowid local UOW X’localuowid’.

**Explanation:** Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The local system cannot determine whether the distributed unit of work was committed or backed out.

The distributed unit of work is treated as committed in accordance with the ACTION attribute in the local transaction definition.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution and no local resources are synchronized with this decision.

Any further remote resynchronization treats this unit of work as committed.

**System Action:** The system continues.

**User Response:** Take user-defined actions to resynchronize resources in local and remote systems if necessary.

**Destination:** CSMT  
**Module:** DFHRMLN  
**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X’localuowid’

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**DFHRM0222**  
**date time applid** Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. The distributed unit of work is treated as backed out.  
**Original failure date mm/dd/yy** failure time hh:mm:ss  
**remote system name transaction tranid task number**  
**trannum terminal termid user userid network UOW**  
**netuowid local UOW X’localuowid’.

**Explanation:** Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization.

Since this unit of work was recovered only for remote resynchronization, local resources are not synchronized and in this case the outcome of the distributed unit of work cannot be determined.

**System Action:** Processing continues.

**User Response:** Take user-defined actions to resynchronize resources in local and remote systems if necessary.

**Destination:** CSMT  
**Module:** DFHRMLN  
**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X’localuowid’

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**DFHRM0225**  
**date time applid** Clear pending issued. The connection to the remote system has been set NOTPENDING. The distributed unit of work is treated as committed. Local resources are not synchronized.  
**Original failure date mm/dd/yy** failure time hh:mm:ss  
**remote system name transaction tranid task number**  
**trannum terminal termid user userid network UOW**  
**netuowid local UOW X’localuowid’.

**Explanation:** The connection with the remote system has been set NOTPENDING or NORECOVDATA, or the connection is defined with XLNACTION(FORCE). The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Setting the connection with the remote system NOTPENDING or NORECOVDATA preempts the notification of the outcome from the remote system.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution, and local resources are not synchronized with this decision.

The distributed unit of work is treated as committed in accordance with the ACTION attribute in the local transaction definition.

**System Action:** The system continues. Further remote resynchronization treats the unit of work as committed.

**User Response:** Take user-defined actions to resynchronize resources in local and remote systems if necessary.

**Destination:** CSMT  
**Module:** DFHRMLK4  
**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X’localuowid’
**DFHRM0226**  
*date time applid* Clear pending issued. The connection to the remote system has been set NOTPENDING. The distributed unit of work is treated as backed out. Local resources are not synchronized. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation:** The connection with the remote system has been set NOTPENDING or NORECOVDATA, or the connection is defined with XLNATION(FORCE). The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Setting the connection with the remote system NOTPENDING or NORECOVDATA preempts the notification of the outcome from the remote system.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution, and local resources are not synchronized with this decision.

The distributed unit of work is treated as backed out in accordance with the ACTION attribute in the local transaction definition.

**System Action:** The system continues. Further remote resynchronization treats this unit of work as backed out.

**User Response:** Take user-defined actions to resynchronize resources in local and remote systems if necessary.

**Destination:** CSMT

**Module:** DFHRMLK4

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

**DFHRM0227**  
*date time applid* Clear pending issued. The connection to the remote system has been set NOTPENDING. Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation:** The connection with the remote system has been set NOTPENDING. The unit of work is recorded as committed or backed out, but since this unit of work was recovered only for remote resynchronization, local resources might not be synchronized with this decision.

The system did not receive acknowledgment that the remote system had received notification of the outcome of the unit of work.

No further resynchronization with this remote system is attempted and the distributed unit of work in the local and remote systems may not be synchronized.

**System Action:** Processing continues.

**User Response:** Take user-defined action to resynchronize resources in local and remote systems if necessary.

**Destination:** CSMT

**Module:** DFHRMLK4

**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

**DFHRM0228** applid indoubt_uows indoubt UOWs have been recovered for the purpose of remote resynchronization. Local resources are not synchronized with these UOWs.

**Explanation:** This message displays the number of indoubt units of work (UOWs), indoubt_uows, which have been recovered for resynchronization with remote systems. This message is only issued on cold starts. Local resources may not be kept synchronized with remote resources because CICS is cold starting.

It is issued only if there is at least one UOW which is indoubt. It is issued before any of the reconstructed UOWs are unsynchronized and processed in parallel.

**System Action:** The system has performed the backwards scan of the system log and is about to start resynchronizing UOWs where resynchronization is possible.

Where communications with the remote system or systems is not immediately possible, UOWs are preserved until resynchronization is possible or until WAITTIME (defined on the transaction definition) expires.

This message is followed by message DFHRM0208 if the UOW has been committed, or by DFHRM0209 if the UOW has been backed out on the remote system or systems.

**User Response:** None.

**Destination:** Console

**Module:** DFHRMU1E

**XMEOUT Parameters:** applid, indoubt_uows

**DFHRM0229**  
*date time applid* bfail_uows backout-failed and cfail_uows commit-failed UOWs have been recovered for the purpose of remote resynchronization. Local resources are not synchronized with these UOWs.

**Explanation:** This message displays the number of backout-failed units of work (UOWs), bfail_uows, and the number of commit-failed UOWs, cfail_uows, which have been recovered for resynchronization with remote systems. These UOWs may now be in backout-waiting or submit-waiting states after cold start recovery processing. This message is only issued on cold starts. Local resources may not be kept synchronized with remote resources because CICS is cold starting.

This message is issued only if there is at least one such UOW. It is issued before any of the reconstructed UOWs are processed.

**System Action:** The system has performed the backwards scan of the system log and is about to start resynchronizing for UOWs that require this.

Where communications with the remote system or systems is not immediately possible, UOWs are preserved until resynchronization is possible or until WAITTIME (defined on the transaction definition) expires.

This message is followed by message DFHRM0208 if the UOW has been committed, or by DFHRM0209 if the UOW has been backed out on the remote system or systems.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHRMU1E

**XMEOUT Parameters:** date, time, applid, bfail_uows, cfail_uows
DFHRM0230

date time applid inflight_uows inflight UOWs have been recovered for the purpose of remote resynchronization. Local resources are not synchronized with these UOWs.

Explanation: This message displays the number of inflight units of work (UOWs), inflight_uows, which have been recovered for resynchronization with remote systems. This message is issued only on cold starts. Local resources may not be kept synchronized with remote resources because CICS is cold starting. It is issued only if there is at least one UOW which is inflight. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

System Action: The system has performed the backwards scan of the system log and is about to start unshunting UOWs where resynchronization is possible.

Where communications with the remote system or systems is not immediately possible, UOWs are preserved until resynchronization is possible or until WAITTIME (defined on the transaction definition) expires.

This message is followed by message DFHRM0208 if the UOW has been committed, or by DFHRM0209 if the UOW has been backed out on the remote system or systems.

User Response: None.

Destination: CSMT

Module: DFHRMU1E.

XMEOUT Parameters: date, time, applid, inflight_uows

DFHRM0235 date time applid Intersystem communication recovery. Local resources are not synchronized.

Original failure date mm/dd/yy failure time hh:mm:ss remote system name transaction tranid task number trannum terminal termid user userid network UOW netuowid local UOW X'localuowid'.

Explanation: Communication with the remote system that is a subordinate of this unit of work failed and has been re-established. Resynchronization with the remote system has occurred. Either the remote system has already taken a decision for its local resource updates in the distributed unit of work, or the remote system was waiting for the decision from this system. In either case, since this unit of work was recovered only for remote resynchronization, the local resources are not synchronized.

System Action: Processing continues.

User Response: Take action to resynchronize resources in the local and remote systems, if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'

DFHRM0300 KEYWORD 'keyword' IS INVALID OR MISUSED.

Explanation: The SYSIN data set for DFHRMUTL contains an unrecognized keyword or a keyword which is used incorrectly.

System Action: The DFHRMUTL job terminates.

User Response: Correct the invalid keyword and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0301 applid Force purge of transaction ID tranid task number taskno has been deferred because unit of work X'uowid' is in post commit syncpoint processing.

Explanation: CICS has received a request to force purge task taskno. The unit of work, uowid, associated with the target of the force purge request is in a critical phase of syncpoint processing. The target task cannot be purged while it is in this state.

System Action: CICS attempts to defer the purge until the target task is no longer protected against purge.

If the syncpoint occurs at the end of the task, the task is permanently protected against purge.

User Response: Normally the task should remain in this critical phase of syncpoint for only a short time. If the target task still has not ended, investigate why unit of work uowid has still to complete syncpoint processing.

See the CICS Problem Determination Guide for guidance about diagnosing task waits.

Note: Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Destination: Console

Module: DFHRMU1N

XMEOUT Parameters: applid, tranid, taskno, X'uowid'

DFHRM0302 ERROR (OPENING | READING | WRITING | CLOSING) THE (DFHGCD | NEWGCD) DATA SET RETURN CODE: X'vsam_retcode', REASON: X'vsam_reason'.

Explanation: An error occurred when processing a VSAM data set. The VSAM return and reason codes are X'vsam_retcode' and X'vsam_reason'.

System Action: The DFHRMUTL job terminates.

User Response: See the DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets manual for the meaning of the return and reason codes. Check the syslog for associated data services messages.

If the error is in opening the NEWGCD data set, ensure that the VSAM cluster:

- Has the REUSE attribute
- Has a DD card in the JCL
- Does not name the same data set as the DFHGCD DD card
- Is not currently open to another job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0303 ERROR (OPENING | READING | WRITING) THE (SYSIN | SYSPRINT) DATA SET.

Explanation: An error occurred when processing a QSAM data set.

System Action: The DFHRMUTL job terminates.

User Response: Ensure that the data set DD card is properly defined. Look for associated syslog messages to identify the source of the problem.

Module: DFHRMUTL
Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHRMUTL

DFHRM0304 INVALID OR MISSING SET_AUTO_START PARAMETER.

Explanation: The SET_AUTO_START parameter in the SYSIN data set for DFHRMUTL is missing or incorrectly specified.
System Action: The DFHRMUTL job terminates.
User Response: Ensure that the parameter is in the first line of SYSIN, and the keywords are separated by commas without intervening blanks.
Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHRMUTL

DFHRM0305 SYSIN DATA SET CAN HAVE AT MOST ONE RECORD.

Explanation: The SYSIN data set should contain either no records or else a single record specifying the parameters for DFHRMUTL.
System Action: The DFHRMUTL job terminates.
User Response: Correct the records in the SYSIN data set and retry.
Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHRMUTL

DFHRM0306 CANNOT COPY A GCD WITH NO CONTROL INFORMATION.

Explanation: The COLD_COPY keyword has been specified for a global catalog data set which has no recovery manager control information in it. It is not possible to create a reduced new catalog from an empty catalog.
System Action: The DFHRMUTL job terminates.
User Response: You should use COLD_COPY only to copy a catalog that has been used by CICS. To initialize a catalog for an initial start, use DFHRMUTL with the SET_AUTO_START=AUTOINIT parameter without attempting to copy it with COLD_COPY.
Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHRMUTL

DFHRM0307 KEYWORD 'keyword' IS REPEATED IN THE SYSIN DATA SET.

Explanation: Keyword keyword has been repeated in the first line of the SYSIN data set for DFHRMUTL.
System Action: The DFHRMUTL job terminates.
User Response: Remove the duplicate keyword and retry.
Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHRMUTL

DFHRM0308 SET_AUTO_START=AUTOASIS INVALID. GCD IS A COLD_COPY AND HAS NOT BEEN USED BY CICS.

Explanation: The keyword SET_AUTO_START specified AUTOASIS, but the global catalog supplied in data set DFHGCD has been copied with the DFHRMUTL COLD_COPY function and has not yet been used by CICS. This change is not allowed because the catalog no longer has the necessary records to allow an emergency or warm start.
System Action: The DFHRMUTL job terminates.
User Response: If you need to perform an emergency or warm start, use a restored copy of the global catalog taken before the run of DFHRMUTL which performed the COLD_COPY. If you do not need an emergency or warm start, change the parameter to AUTOINIT or AUTO COLD and retry.
Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHRMUTL

DFHRM0309 GCD HAS NOT BEEN USED BY CICS. YOU MUST SPECIFY SET_AUTO_START=AUTOINIT

Explanation: The keyword SET_AUTO_START specified AUTO COLD or AUTOINIT, but the global catalog supplied in data set DFHGCD has never been used by CICS.
System Action: The DFHRMUTL job terminates.
User Response: Change the SET_AUTO_START parameter to AUTOINIT and retry.
Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHRMUTL

DFHRM0311 COLD_COPY KEYWORD INVALID WITH SET_AUTO_START=AUTOASIS.

Explanation: The input parameters specified keyword COLD_COPY, but also contained SET_AUTO_START=AUTOASIS. This combination is not supported because CICS can only perform a COLD or INITIAL start using a catalog data set that has been cold-copied, because all definitional records have been removed.
System Action: The DFHRMUTL job terminates.
User Response: Either specify AUTO COLD or AUTOINIT as the SET_AUTO_START value, or remove the COLD_COPY keyword and retry.
Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHRMUTL
DFHRM0312 AUTODIAG WITH COLD_COPY NOT ALLOWED.

Explanation: In the parameters for the DFHRMUTL job the option COLD_COPY was specified with SET_AUTO_START=AUTODIAG. This is not allowed.

System Action: The DFHRMUTL job terminates.

User Response: Resubmit the job with the correct parameters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0313 AUTODIAG CANNOT BE USED.

Explanation: The keyword SET_AUTO_START specified AUTODIAG, but the global catalog supplied in data set DFHGCD has been copied with the DFHRMUTL COLD_COPY function and has not yet been used by CICS. This change is not allowed because the catalog no longer has the necessary records to allow a diagnostic run.

System Action: The DFHRMUTL job terminates.

User Response: If you need to perform a diagnostic run, use a restored copy of the global catalog taken before the run of DFHRMUTL which performed the COLD_COPY. If you do not need a diagnostic run then change the parameter to AUTOINIT or AUTOCOLD and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0400 applid A unit of work was incompletely reconstructed from the system log.

Explanation: A unit of work has been only partially reconstructed from the log records on the system log.

The first log record that the unit of work wrote to the system log was not browsed during CICS restart although processing of the unit of work has not completed its syncpoint processing.

The probable cause is that the primary system log stream has been truncated incorrectly or that the secondary system log stream has been truncated or deleted incorrectly. Alternatively, the data on either log stream may have been corrupted so that the chain representing the unit of work was not completely processed during CICS restart.

These effects may be due to the log stream being modified between CICS runs, problems in the MVS logger, or problems in CICS itself. The most likely cause is that logstream was deleted or modified during CICS runs. If it was deleted, the CICS logger will have issued a message during the CICS restart reporting that it was creating the logstream.

These effects may be due to the log stream being modified between CICS runs, problems in the MVS logger, or problems in CICS itself. The most likely cause is that logstream was deleted or modified during CICS runs. If it was deleted, the CICS logger will have issued a message during the CICS restart reporting that it was creating the logstream.

System Action: CICS makes an exception trace entry including the unit of work in which the problem was detected, issues this message, takes a dump, and then terminates abnormally.

User Response: Ensure that the primary and secondary system logstreams are valid. If a problem can be rectified, auto-start CICS again.

If the problem cannot be rectified, you should perform an initial start of CICS.

If you are certain that the system log streams have not been deleted or modified between CICS runs, there may be an error in the MVS logger or in CICS. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. It would be helpful to keep the failing logstream or a report of its contents.

Destination: Console

Module: DFHRMSL5

XMEOUT Parameter: applid

DFHRM0401 applid There is no system log or an empty system log has been detected.

Explanation: An empty system log has been detected on a CICS restart which requires the log for recovery processing. This is unexpected because there should always be one or more log records on the system log when CICS has started previously. Alternatively, there is no CICS system log because DUMMY has been defined in the definition of the log stream, and a start that requires a valid system log has been requested.

The probable cause is that the primary system log stream has been destroyed or cleared incorrectly. The data on the primary log stream may have been corrupted so that the CICS logger could not find any valid records on it. Alternatively, the system log has been defined as a DUMMY log inappropriately.

These effects may be due to the log stream being modified between CICS runs, problems in the MVS logger, or problems in CICS itself. The most likely cause is that logstream was deleted or emptied between CICS runs. If it was deleted, the CICS logger will have issued a message during the CICS restart reporting that it was creating the logstream.

System Action: CICS makes an exception trace entry including the unit of work in which the problem was detected, issues this message, takes a dump, and then terminates abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the primary system logstream is valid, and that it is not defined as DUMMY. If the problem can be rectified, start CICS again in the same way.

If the problem cannot be rectified, perform an initial start of CICS.

If you are certain that the system log streams have not been deleted or modified between CICS runs, there may be an error in the MVS logger or in CICS. In this case, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. It would be helpful to keep the failing logstream or a report of its contents.

Destination: Console

Module: DFHRMSL5

XMEOUT Parameter: applid
DFHRPxxxx (CICS ONC RPC) messages

DFHRP0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated concurrently, or increase the DSA limits.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHRPRP
XMEOUT Parameters: applid, aaa/bbbb, X'offset', modname

DFHRP0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID, which gives an indication of the cause of the error:

- 9F4F—error from select call to TCP/IP for MVS
- 9F55—error from svc_register call to TCP/IP for MVS
- 9F58—error from svcudp_create call to TCP/IP for MVS
- 9F59—error from svcudp_create call to TCP/IP for MVS
- 9F5B—error from svc_sendreply call to TCP/IP for MVS
- 9F5C—invalid aup_gids from client
- 9F5D—machine name from client too long
- 9F5E—error from svc_getargs call to TCP/IP for MVS
- 9F5F—error from svc_freeargs call to TCP/IP for MVS
- 9F60—error from getsockopt call to TCP/IP for MVS
- 9F63—error from maxdesc call to TCP/IP for MVS (unknown error)
- 9F64—error from maxdesc call to TCP/IP for MVS (not enough sockets)
- 9F65—error from maxdesc call to TCP/IP for MVS (EFAULT)
- 9F66—error from maxdesc call to TCP/IP for MVS (EALREADY)
- 9F67—error from maxdesc call to TCP/IP for MVS (EINVAL)
- 9F68—error from maxdesc call to TCP/IP for MVS (EFAULT)
- 9F69—error from maxdesc call to TCP/IP for MVS (ENOMEM)
- 9F6A—error from maxdesc call to TCP/IP for MVS (EIBMIUCVERR)
- 9F6B—error from svcerr_auth call to TCP/IP for MVS
- 9F6C—error from svcerr_decode call to TCP/IP for MVS
- 9F6D—error from svcerr_noproc call to TCP/IP for MVS
- 9F6E—error from svcerr_systemerr call to TCP/IP for MVS
- 9F6F—error from dfhsvc_getreqset.

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. If a client request is being processed, and the code is 9F4A, no reply is sent to the client.

You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHRPRP
XMEOUT Parameters: applid, X'code', modname
**DFHRP0102**

**Explanation:**
The alias has received a response that indicates a logic error in the alias while calling CICS to establish its initialization information.

**System Action:**
The client request is abandoned, and no reply is sent to the client. A system dump is taken. The alias abends with abend code ARPK. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:**
See the associated CICS messages for problem diagnosis.

**Destination:**
CRPO

**Module:**
DFHRPAS

**XMEOUT Parameters:**
date, time, applid, tranid

---

**DFHRP0103**

**Explanation:**
The alias has been invoked by a means other than the server controller, possibly by a user at a terminal.

**System Action:**
There was no client request to process. The alias abends with abend code ARPF.

**User Response:**
Check that the alias was not started by a terminal user.

**Destination:**
CRPO

**Module:**
DFHRPAS

**XMEOUT Parameters:**
date, time, applid, tranid

---

**DFHRP0104**

**Explanation:**
The alias has received a response while calling CICS to establish its initialization information that indicates the alias may not have been started by server controller.

**System Action:**
There is no client request to process. The alias abends with abend code ARPF.

**User Response:**
Check that the alias has not been started by a means other than the server controller.

**Destination:**
CRPO

**Module:**
DFHRPAS

**XMEOUT Parameters:**
date, time, applid, tranid

---

**DFHRP0105**

**Explanation:**
The alias has received a response that indicates that CICS has experienced a temporary error while trying to pass the alias its initialization information from temporary storage.

**System Action:**
The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPJ.

**User Response:**
See the associated CICS messages for problem diagnosis.

**Destination:**
CRPO

**Module:**
DFHRPAS

---

**DFHRP0106**

**Explanation:**
The alias has received a response that indicates a logic error in the alias while calling CICS to establish its initialization information.

**System Action:**
The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPF.

**User Response:**
Check that no other application is using the same temporary storage queue as the alias.

**Destination:**
CRPO

**Module:**
DFHRPAS

**XMEOUT Parameters:**
date, time, applid, tranid

---

**DFHRP0107**

**Explanation:**
The alias has detected an error while validating its initialization information. This probably means that the alias has been started incorrectly.

**System Action:**
There is no client request to process. The alias abends with abend code ARPF.

**User Response:**
Check that the alias was not started by a means other than the server controller.

**Destination:**
CRPO

**Module:**
DFHRPAS

**XMEOUT Parameters:**
date, time, applid, tranid

---

**DFHRP0108**

**Explanation:**
The alias has received a response that indicates a logic error in the alias while calling CICS to establish its initialization information.

**System Action:**
The client request is abandoned, and no reply is sent to the client. A system dump is taken. The alias abends with abend code ARPF. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:**
See the associated CICS messages for problem diagnosis.

**Destination:**
CRPO

**Module:**
DFHRPAS

**XMEOUT Parameters:**
date, time, applid, tranid

---

**DFHRP0109**

**Explanation:**
The alias has received a response that indicates a logic error in the alias while calling CICS to establish its initialization information. This probably means that the alias has been started incorrectly.

**System Action:**
There is no client request to process. The alias abends with abend code ARPF.

**User Response:**
Check that the alias was not started by a means other than the server controller.

**Destination:**
CRPO

**Module:**
DFHRPAS

**XMEOUT Parameters:**
date, time, applid, tranid

---

**DFHRP0110**

**Explanation:**
The alias has detected an error while validating its initialization information. This probably means that the alias has been started incorrectly.

**System Action:**
There is no client request to process. The alias abends with abend code ARPF.

**User Response:**
Check that the alias was not started by a means other than the server controller.

**Destination:**
CRPO

**Module:**
DFHRPAS

**XMEOUT Parameters:**
date, time, applid, tranid

---

**DFHRP0111**

**Explanation:**
The alias has attempted to update its alias list entry to indicate that it has successfully started. The alias list component has returned a NOT FOUND response.

**System Action:**
An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPF.
**User Response:** This situation is almost certainly due to an alias starting after immediate disable of CICS ONC RPC or after its alias list entry has been explicitly deleted by the connection manager.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, X'port', X'socket'

**Explanation:** The alias has attempted to update its alias list entry to indicate that it has successfully started. The alias list component has returned an error response other than NOT FOUND. This is due to an error in another component of CICS.

**System Action:** An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPJ.

**User Response:** Check that the external security manager is still available.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, X'port', X'socket'

**System Action:** An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPL.

**User Response:** Check the userid/password combination associated with this client request. See the associated CICS messages relating to the security error for help with problem diagnosis.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, X'port', X'socket'

**System Action:** An svcerr_auth call with a why-value of AUTH_TOOWEAK is used to send a reply to the client. The alias abends with abend code ARPL.

**User Response:** Check the userid/password combination associated with this client request. See the associated CICS messages relating to the security error for help with problem diagnosis.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, X'port', X'socket'

**System Action:** An svcerr_auth call with a why-value of AUTH_TOOWEAK is used to send a reply to the client. The alias abends with abend code ARPL.
DFHRP0122  
User Response: Check the userid associated with this client request. See the associated CICS messages relating to the security error for help with problem diagnosis.
Destination: CRPO  
Module: DFHRPAS  
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0122  
Date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request.  
Client IP address: clientaddr  
Host IP address: hostaddr  
Program: X'prognum'  
Version: X'versnum'  
Procedure: X'procnum'  
Protocol: protocol  
Port: port  
Socket: socket.

Explanation: The alias has encountered an internal error while authenticating the userid and password associated with this client request.

System Action: An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPK. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
Destination: CRPO  
Module: DFHRPAS  
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0125  
Date time applid tranid A CICS ONC RPC alias is unable to continue processing as it cannot link to the resource checker program.  
Client IP address: clientaddr  
Host IP address: hostaddr  
Program: X'prognum'  
Version: X'versnum'  
Procedure: X'procnum'  
Protocol: protocol  
Port: port  
Socket: socket.

Explanation: The alias has received a response while trying to link to the resource checker which indicates that it is not defined to CICS.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.
User Response: Check that the resource checker is defined to CICS.
Destination: CRPO  
Module: DFHRPAS  
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0126  
Date time applid tranid A CICS ONC RPC alias is unable to continue processing as it cannot link to the resource checker program.  
Client IP address: clientaddr  
Host IP address: hostaddr  
Program: X'prognum'  
Version: X'versnum'  
Procedure: X'procnum'  
Protocol: protocol  
Port: port  
Socket: socket.

Explanation: The alias has received a response while trying to link to the resource checker that indicates the remote system on which the program resides is not defined or available to CICS.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.
User Response: Ensure that the remote CICS region in which the resource checker resides is defined to CICS. If it is, check that the connection is available for use by CICS.
Destination: CRPO  
Module: DFHRPAS  
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket
Chapter 1. DFH messages

DFHRP0127 date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias has detected a rollback in the resource checker in a remote CICS region.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPJ.

User Response: Investigate the problem in the remote CICS region. You should consider changing the resource checker so that it does not update any CICS recoverable resources because this is not its primary design intent. Retry the client request.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0128 date time applid tranid A CICS ONC RPC alias is unable to continue processing because it cannot link to the resource checker program. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias has received a response while trying to link to the resource checker that indicates that it is not authorized to do so. This error has occurred because either the local alias transaction has been defined with RESSEC=YES, or the resource checker is in a remote CICS region and the mirror transaction in the remote region is defined with RESSEC=NO.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPL.

User Response: If the alias or mirror transaction must run with RESSEC=YES, add a profile to the external security manager that allows users to access the resource checker. If you do not require resource level security in the CICS program, set RESSEC=NO in the alias or mirror transaction definition.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0129 date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias has received an incorrect response from CICS while trying to link to the resource checker.

System Action: An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPK. Message DFHE0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHE0116.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket


Explanation: The resource checker has returned the response and reason codes response and reason. This client request is not authorized to continue.

System Action: An svcerr_auth call with a why-value of AUTH_BADCREDS is used to send a reply to the client. The alias abends with abend code ARPL.

User Response: Determine from the resource checker the meaning of the response and reason codes, and amend the program if necessary.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, response, reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0131 date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request as it cannot query the authorization of the CICS program. EIBRESP2: eibresp2 Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias issued an EXEC CICS QUERY SECURITY command for the CICS program program, but received an INVREQ response.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: Use the EIBRESP2 value to determine the exact cause of the problem.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, program, eibresp2, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket
<table>
<thead>
<tr>
<th>Message</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DFHRP0132</strong></td>
<td><strong>date time applid tranid</strong> A CICS ONC RPC alias is unable to continue processing this client request as it cannot query the authorization of the CICS program program. <strong>EIBRESP2:</strong> eibresp2 Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket. <strong>Explanation:</strong> The alias issued an EXEC CICS QUERY SECURITY command for the CICS program program, but received a NOTFND response. <strong>System Action:</strong> An <strong>svcerr_systemerr</strong> call is used to send a reply to the client. The alias abends with abend code ARPG. <strong>User Response:</strong> Use the EIBRESP2 value to determine the exact cause of the problem. <strong>Destination:</strong> CRPO <strong>Module:</strong> DFHRPAS <strong>XMEOUT Parameters:</strong> date, time, applid, tranid, program, eibresp2, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket</td>
</tr>
<tr>
<td><strong>DFHRP0133</strong></td>
<td><strong>date time applid tranid</strong> A CICS ONC RPC alias is unable to continue processing this client request. <strong>Client IP address:</strong> clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket. <strong>Explanation:</strong> The alias has encountered an internal error while trying to test the authorization level of the client. <strong>System Action:</strong> An <strong>svcerr_systemerr</strong> call is used to send a reply to the client. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem. <strong>User Response:</strong> You need further assistance from IBM to resolve this problem. <strong>Destination:</strong> CRPO <strong>Module:</strong> DFHRPAS <strong>XMEOUT Parameters:</strong> date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket</td>
</tr>
<tr>
<td><strong>DFHRP0134</strong></td>
<td><strong>date time applid tranid</strong> A CICS ONC RPC alias is unable to continue processing this client request because the client is not authorized to access the CICS program program. <strong>Client IP address:</strong> clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket. <strong>Explanation:</strong> The alias has rejected this client request because the client is not authorized to access the CICS program program. <strong>System Action:</strong> An <strong>svcerr_auth</strong> call with a why-value of AUTH_TOOWEAK is used to send a reply to the client. The alias abends with abend code ARPL. <strong>User Response:</strong> None <strong>Destination:</strong> CRPO</td>
</tr>
<tr>
<td><strong>DFHRP0135</strong></td>
<td><strong>date time applid tranid</strong> A CICS ONC RPC alias is unable to continue processing this client request. <strong>Client IP address:</strong> clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket. <strong>Explanation:</strong> The alias has detected an internal arithmetic error with the parameters passed by the server controller while processing this client request and is unable to link to the CICS program. <strong>System Action:</strong> The client request is abandoned, and a SYSTEMERR reply is sent to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem. <strong>User Response:</strong> You need further assistance from IBM to resolve this problem. <strong>Destination:</strong> CRPO <strong>Module:</strong> DFHRPAS <strong>XMEOUT Parameters:</strong> date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket</td>
</tr>
<tr>
<td><strong>DFHRP0136</strong></td>
<td><strong>date time applid tranid</strong> A CICS ONC RPC alias is unable to continue processing this client request. <strong>Client IP address:</strong> clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket. <strong>Explanation:</strong> The alias has detected a temporary error in the remote CICS region while communicating with the CICS program. <strong>System Action:</strong> An <strong>svcerr_systemerr</strong> call is used to send a reply to the client. The alias abends with abend code ARPJ. <strong>User Response:</strong> Investigate the problem in the remote CICS region. <strong>Destination:</strong> CRPO <strong>Module:</strong> DFHRPAS <strong>XMEOUT Parameters:</strong> date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket</td>
</tr>
<tr>
<td><strong>DFHRP0137</strong></td>
<td><strong>date time applid tranid</strong> A CICS ONC RPC alias is unable to continue processing this client request. <strong>Client IP address:</strong> clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket. <strong>Explanation:</strong> The alias has encountered an internal error while trying to link to the CICS program. <strong>System Action:</strong> An <strong>svcerr_systemerr</strong> call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPL. Message DFHME0116 is normally produced containing the symptom string for this problem. <strong>User Response:</strong> None <strong>Destination:</strong> CRPO</td>
</tr>
</tbody>
</table>
User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0138 date time applid tranid A CICS ONC RPC alias is unable to continue processing as it cannot link to the CICS program. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias has received an incorrect response from the CICS program program that indicates that the program is not defined to CICS.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: Investigate why the CICS program rolled back.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0139 date time applid tranid A CICS ONC RPC alias is unable to continue processing as it cannot link to the CICS program program that indicates that the remote system in which the program resides is not defined or is not available to CICS.

Explanation: The alias has received a response while trying to link to the CICS program program that indicates that the remote system in which the program resides is not defined or is not available to CICS.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: Ensure that the remote CICS region in which the server program resides is defined to CICS. If it is, ensure that the connection is available for use by CICS.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0140 date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias has detected a rollback in the CICS program program in the remote CICS region.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPJ.

User Response: If the CICS program must run with resource level security, add a profile to the external security manager that grants access to the CICS program to its clients. If you do not require resource level security in the CICS program, set RESSEC=NO in the alias or mirror transaction definition.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0141 date time applid tranid A CICS ONC RPC alias is unable to continue processing as it cannot link to the CICS program program that indicates that it is not authorized to do so.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: If the CICS program must run with resource level security, add a profile to the external security manager that grants access to the CICS program to its clients. If you do not require resource level security in the CICS program, set RESSEC=NO in the alias or mirror transaction definition.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0142 date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias has received an incorrect response from the CICS while trying to link to the CICS program.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPK.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPAS
**Explanation:** The alias has encountered an internal error and cannot determine how to send a reply to the client. The CICS program has run successfully, and may have updated CICS resources.

**System Action:** An `svcerr_systemerr` call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, clientaddr, hostaddr, `X'prognum'`, `X'versnum'`, `X'procnum'`, protocol, port, socket

---

**Explanation:** The alias cannot send a reply back to the client due to an error in send reply processing. The transport handle was invalid or was not found. Client IP address: `clientaddr Host IP address: hostaddr Program: `X'prognum'` Version: `X'versnum'` Procedure: `X'procnum'` Protocol: protocol Port: port Socket: socket.

**System Action:** The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPJ.

**User Response:** Examine the diagnostics to determine the reason for the error. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, clientaddr, hostaddr, `X'prognum'`, `X'versnum'`, `X'procnum'`, protocol, port, socket

---

**Explanation:** The alias is unable to send a reply to the client because CICS ONC RPC is disabling. Client IP address: `clientaddr Host IP address: hostaddr Program: `X'prognum'` Version: `X'versnum'` Procedure: `X'procnum'` Protocol: protocol Port: port Socket: socket.

**System Action:** The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPJ.

**User Response:** Examine the diagnostics to determine the reason for the error.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid

---

**Explanation:** The alias cannot send a reply back to the client due to an error in send reply processing. The transport handle was invalid or was not found. Client IP address: `clientaddr Host IP address: hostaddr Program: `X'prognum'` Version: `X'versnum'` Procedure: `X'procnum'` Protocol: protocol Port: port Socket: socket.

**System Action:** The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPJ.

**User Response:** Examine the diagnostics to determine the reason for the error.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, clientaddr, hostaddr, `X'prognum'`, `X'versnum'`, `X'procnum'`, protocol, port, socket

---

**Explanation:** The alias cannot send a reply back to the client due to an error in send reply processing. The transport handle was invalid or was not found. Client IP address: `clientaddr Host IP address: hostaddr Program: `X'prognum'` Version: `X'versnum'` Procedure: `X'procnum'` Protocol: protocol Port: port Socket: socket.

**System Action:** An `svcerr_systemerr` call is used to send a reply to the client. The alias received an unexpected response from the RPC caller.

**User Response:** Examine the diagnostics to determine the reason for the error.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, clientaddr, hostaddr, `X'prognum'`, `X'versnum'`, `X'procnum'`, protocol, port, socket
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DFHRP0149

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0149 date time applid tranid A CICS ONC RPC alias is unable to send a reply to the client. The alias is unable to switch TCB modes to allow it to send a reply to the client. The RP TCB is not active.

System Action: A system dump is taken. The alias abends with abend code ARPJ. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See any associated CICS messages to help with problem diagnosis. You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0154 date time applid tranid A CICS ONC RPC alias is unable to send a reply to the client. The alias is unable to switch TCB modes to allow it to send a reply to the client. The RP TCB is not active.

System Action: An unexpected response was returned from RPC caller.

User Response: If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0154 date time applid tranid A CICS ONC RPC alias is unable to send a reply to the client. The alias is unable to switch TCB modes to allow it to send a reply to the client. The RP TCB is not active.

System Action: An unexpected response was returned from RPC caller.

User Response: If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0155 date time applid tranid A CICS ONC RPC alias encountered an error while attempting to access the converter converter_program_name, Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket. Client IP address: clientaddr.

Explanation: An error has prevented the alias from accessing the converter converter_program_name.

System Action: An ssvcrr_systemerr call is used to send a reply to the client. A system dump is taken. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, converter_program_name, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket, clientaddr

DFHRP0155 date time applid tranid A CICS ONC RPC alias encountered an error while attempting to access the converter converter_program_name, Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket. Client IP address: clientaddr.

Explanation: An error has prevented the alias from accessing the converter converter_program_name.

System Action: An ssvcrr_systemerr call is used to send a reply to the client. A system dump is taken. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, converter_program_name, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket, clientaddr

DFHRP0156 date time applid tranid A CICS ONC RPC alias could not link to converter converter_program_name, Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias used EXEC CICS LINK for converter converter_program_name to perform the Encode function, but received a PGMIDERR response.

System Action: An ssvcrr_systemerr call is used to send a reply to the client.

User Response: Use CEDA to check that you have defined your converter program correctly to CICS.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0156 date time applid tranid A CICS ONC RPC alias could not link to converter converter_program_name, Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias used EXEC CICS LINK for converter converter_program_name to perform the Encode function, but received a PGMIDERR response.

System Action: An ssvcrr_systemerr call is used to send a reply to the client.

User Response: Use CEDA to check that you have defined your converter program correctly to CICS.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket
DFHRP0157  Data time applid tranid A CICS ONC RPC alias could not link to converter converter_program_name because it is remote. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum', Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

**Explanation:** The alias cannot work with a converter located in a remote CICS region. Data pointers are passed to and from the converter, and the referenced data can only be used if the converter runs in the local CICS region.

**System Action:** An svcerr_systemerr call is used to send a reply to the client. A system dump is taken.

**User Response:** Install and define the converter in the same CICS region as CICS ONC RPC.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

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**Explanation:** The alias cannot access the converter. An authorization error has occurred.

**System Action:** An svcerr_systemerr call is used to send a reply to the client. A system dump is taken.

**User Response:** Either redefine the alias transaction with RESSEC=NO, or change the external security manager to allow the user to access the converter.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

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DFHRP0157  Data time applid tranid A CICS ONC RPC alias received an incorrect response from CICS when attempting to access the converter converter_program_name. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum', Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

**Explanation:** The alias received an unexpected response when trying to link to the converter for Encode processing.

**System Action:** An svcerr_systemerr call is used to send a reply to the client. A system dump is taken.

**User Response:** See the associated messages issued by CICS for problem diagnosis.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

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**Explanation:** Encode returned URP_EXCEPTION.

**System Action:** An svcerr_systemerr call is used to send a reply to the client.

**User Response:** Examine the diagnostics to determine the reason for the error.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

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**Explanation:** Encode returned URP_INVALID.

**System Action:** An svcerr_systemerr call is used to send a reply to the client.

**User Response:** Examine the diagnostics to determine the reason for the error.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

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**Explanation:** Encode returned an unexpected return code.

**System Action:** An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Examine the diagnostics to determine the reason for the error.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket
DFHRP0164  

**Date Time Applid Tranid A CICS ONC RPC alias is unable to send an error reply to the client due to a logic error.**

**Client IP address:** clientaddr  
**Host IP address:** hostaddr  
**Program:** X'prognum'  
**Version:** X'versnum'  
**Procedure:** X'procnum'  
**Protocol:** protocol  
**Port:** port  
**Socket:** socket.

**Explanation:** The alias cannot send an error reply to the client due to a logic error.

**System Action:** No reply is sent to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CRPO  
**Module:** DFHRPAS  
**XMEOUT Parameters:** date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket.

DFHRP0166  

**Date Time Applid Tranid A CICS ONC RPC alias is unable to send a reply to the client because the transport handle was invalid or was not found.**

**Client IP address:** clientaddr  
**Host IP address:** hostaddr  
**Program:** X'prognum'  
**Version:** X'versnum'  
**Procedure:** X'procnum'  
**Protocol:** protocol  
**Port:** port  
**Socket:** socket.

**Explanation:** The alias cannot send a reply to the client. The transport handle was invalid or was not found.

**System Action:** No reply is sent to the client. The alias abends with abend code ARPJ.

**User Response:** If message DFHRP0002 was issued to the client, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CRPO  
**Module:** DFHRPAS  
**XMEOUT Parameters:** date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket.

DFHRP0168  

**Date Time Applid Tranid A CICS ONC RPC alias is unable to send an error reply to the client.**

**Client IP address:** clientaddr  
**Host IP address:** hostaddr  
**Program:** X'prognum'  
**Version:** X'versnum'  
**Procedure:** X'procnum'  
**Protocol:** protocol  
**Port:** port  
**Socket:** socket.

**Explanation:** The alias cannot send a reply to the client. The alias received an error response from the RPC caller.

**System Action:** No reply is sent to the client. The alias abends with abend code ARPI.

**User Response:** Examine the diagnostics to determine the reason for the error. You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CRPO  
**Module:** DFHRPAS  
**XMEOUT Parameters:** date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket.

DFHRP0169  

**Date Time Applid Tranid A CICS ONC RPC alias encountered an error during Encode processing in the converter program.**

**Client IP address:** clientaddr  
**Host IP address:** hostaddr  
**Program:** X'prognum'  
**Version:** X'versnum'  
**Procedure:** X'procnum'  
**Protocol:** protocol  
**Port:** port  
**Socket:** socket.

**Explanation:** Encode returned URP_DISASTER.

**System Action:** An svcerr_systemerr call is used to send a reply to the client.

**User Response:** Examine the diagnostics to determine the reason for the error.

**Destination:** CRPO  
**Module:** DFHRPAS  
**XMEOUT Parameters:** date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket.

DFHRP0170  

**Date Time Applid Tranid A CICS ONC RPC alias has detected an error.**

**Explanation:** The alias has detected an error.

**System Action:** A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Examine the diagnostics to determine the reason for the error.

**Destination:** CRPO  
**Module:** DFHRPAS  
**XMEOUT Parameters:** date, time, applid, tranid.
DFHRP0171 date time applid tranid A CICS ONC RPC alias has detected a FREEMAIN error.

Explanation: The alias has detected a FREEMAIN error when freeing the communication area used by the CICS program. This FREEMAIN occurs after Encode processing.

System Action: Processing continues.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid

DFHRP0172 date time applid tranid A CICS ONC RPC alias has detected a FREEMAIN error.

Explanation: The alias has detected an error while freeing the data area created by Encode processing. The FREEMAIN occurs after outbound XDR processing.

System Action: Processing continues.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid

DFHRP0173 date time applid tranid A CICS ONC RPC alias cannot find its alias list entry for deletion at task end.


Explanation: The alias has attempted to delete its alias list entry at task end. The alias list component has returned a NOT FOUND response. This is because either a connection manager user has started immediate disable processing, or because a connection manager user has deleted the entry.

System Action: The alias abends with abend code ARPJ.

User Response: None.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, X'port', X'socket'

DFHRP0174 date time applid tranid A CICS ONC RPC alias received an error response while attempting to delete its alias list entry. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: X'port' Socket: X'socket'.

Explanation: The alias has attempted to delete its alias list entry at task end. It received a response that indicated a severe error had occurred.

System Action: The alias abends with abend code ARPJ.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, X'port', X'socket'

DFHRP0175 date time applid tranid A CICS ONC RPC alias sent an error reply to the client, but cannot free storage associated with the error call to the client. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias sent an error reply to the client. After this reply was sent, the alias received an error response when attempting to free storage associated with the error call to the client.

System Action: The alias abends with abend code ARPJ.

User Response: Examine the diagnostics to determine the reason for the error. If the problem persists, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0176 date time applid tranid A CICS ONC RPC alias sent a reply to the client, but cannot free storage associated with the svc_sendreply call. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias sent a reply back to the client. After this reply was sent, the alias received an error response when attempting to free storage associated with the svc_sendreply call.

System Action: The alias abends with abend code ARPJ.

User Response: Examine the diagnostics to determine the reason for the error. You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket
DFHRP0180  date time applid tranid A CICS ONC RPC alias has detected an abend issued by the resource checker program. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias has detected an abend by the resource checker.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPO.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket


Explanation: The alias has detected an abend.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPO.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0184  date time applid tranid A CICS ONC RPC alias has found that the resource checker has rejected this client request. Response Reason: reason.


Explanation: The resource checker has returned the response and reason reason. This client request is not authorized to continue.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPL.

User Response: If you suspect an error in the resource checker, use the response and reason codes to debug it.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, response, reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0185  date time applid tranid A CICS ONC RPC alias has detected an error in the resource checker.


Explanation: The resource checker has returned the response and reason reason. This client request is not authorized to continue.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPL.

User Response: If you suspect an error in the resource checker, use the response and reason codes to debug it.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: date, time, applid, tranid, response, reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket
DFHRP0186  
**Date time applid tranid** A CICS ONC RPC alias has detected an error in the resource checker program.

**Response:** response Reason: reason. Client IP address: clientaddr Host IP address: hostaddr

**Program:** X'prognum' Version: X'versnum' Procedure: X'procnum'

**Protocol:** protocol Port: port Socket: socket.

**Explanation:** The resource checker has returned the response response and reason reason. This client request is not authorized to continue.

**System Action:** An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPM.

**User Response:** If you suspect an error in the resource checker, use the response and reason codes to debug it.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, response, reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket.

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DFHRP0187  
**Date time applid tranid** A CICS ONC RPC alias has detected an error in the resource checker.

**Response:** response Reason: reason. Client IP address: clientaddr Host IP address: hostaddr

**Program:** X'prognum' Version: X'versnum' Procedure: X'procnum'

**Protocol:** protocol Port: port Socket: socket.

**Explanation:** The resource checker has returned the response response and reason reason. This client request is not authorized to continue.

**System Action:** An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPM.

**User Response:** If you suspect an error in the resource checker, use the response and reason codes to debug it.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, response, reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket.

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DFHRP0188  
**Date time applid tranid** A CICS ONC RPC alias has detected an error in the resource checker.

**Response:** response Reason: reason. Client IP address: clientaddr Host IP address: hostaddr

**Program:** X'prognum' Version: X'versnum' Procedure: X'procnum'

**Protocol:** protocol Port: port Socket: socket.

**Explanation:** The resource checker has returned the response response and reason reason. This client request is not authorized to continue.

**System Action:** An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. The alias abends with code abend ARPM. Message DFhME0116 is normally produced containing the symptom string for this problem.

**User Response:** If you suspect an error in the resource checker, use the response and reason codes to debug it.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, response, reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket.

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DFHRP0189  
**Date time applid tranid** A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program program.

**Client IP address:** clientaddr Host IP address: hostaddr

**Program:** X'prognum' Version: X'versnum' Procedure: X'procnum'

**Protocol:** protocol Port: port Socket: socket.

**Explanation:** The alias has received an INVREQ response while trying to EXEC CICS LOAD the CICS program program for security checking. This indicates that the program manager domain has not yet been initialized and may be due to this request having been made in a first stage PLT.

**System Action:** An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

**User Response:** Ensure that the program manager domain is initialized.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket.

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DFHRP0190  
**Date time applid tranid** A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program program.

**EIBRESP2:** eibresp2 Client IP address: clientaddr Host IP address: hostaddr

**Program:** X'prognum' Version: X'versnum' Procedure: X'procnum'

**Protocol:** protocol Port: port Socket: socket.

**Explanation:** The alias has received a PGMIDERR response while trying to EXEC CICS LOAD the CICS program program for security checking. This indicates that the program cannot be found or cannot be autoinstalled.

**System Action:** An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

**User Response:** Ensure that the load module is in the DFHRPL concatenation and can be autoinstalled.

**Destination:** CRPO

**Module:** DFHRPAS

**XMEOUT Parameters:** date, time, applid, tranid, program, eibresp2, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket.

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DFHRP0191  
**Date time applid tranid** A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program program.

**EIBRESP2:** eibresp2 Client IP address: clientaddr Host IP address: hostaddr

**Program:** X'prognum' Version: X'versnum' Procedure: X'procnum'

**Protocol:** protocol Port: port Socket: socket.

**Explanation:** The alias has received a PGMIDERR response while trying to EXEC CICS LOAD the CICS program program for security checking. This indicates that the program autoinstall control program has failed.

**System Action:** An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPJ.
User Response: Use the EIBRESP2 value to determine why the program autoinstall control program failed and correct the problem.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, program, clientaddr, hostaddr, X’prognum’, X’versnum’, X’procnum’, protocol, port, socket

DFHRP0192 date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program program. Client IP address: clientaddr Host IP address: hostaddr Program: X’prognum’ Version: X’versnum’ Procedure: X’procnum’ Protocol: protocol Port: port Socket: socket.

Explanation: The alias has received an incorrect response while trying to load the CICS program program for security checking.

System Action: An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, program, clientaddr, hostaddr, X’prognum’, X’versnum’, X’procnum’, protocol, port, socket

DFHRP0193 date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program program. Client IP address: clientaddr Host IP address: hostaddr Program: X’prognum’ Version: X’versnum’ Procedure: X’procnum’ Protocol: protocol Port: port Socket: socket.

Explanation: The alias has received a NOTAUTH response while trying to load the CICS program program for security checking. This indicates that it is not authorized to access this program. This error may have occurred because the local alias transaction has been defined with RESSEC=YES.

System Action: An svcerr_systemerr call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: If the alias transaction must run with RESSEC=YES, add a profile to the external security manager that allows users to access the program. If you do not require resource level security, set RESSEC=NO in the alias transaction definition.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, program, clientaddr, hostaddr, X’prognum’, X’versnum’, X’procnum’, protocol, port, socket

DFHRP0194 date time applid tranid A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program program. Client IP address: clientaddr Host IP address: hostaddr Program: X’prognum’ Version: X’versnum’ Procedure: X’procnum’ Protocol: protocol Port: port Socket: socket.

Explanation: The alias has detected an internal error while trying to load the CICS program program for security checking.

System Action: An svcerr_systemerr call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPAS
XMEOUT Parameters: date, time, applid, tranid, program, clientaddr, hostaddr, X’prognum’, X’versnum’, X’procnum’, protocol, port, socket

DFHRP0500 date time applid tranid CICS ONC RPC enable processing is complete. Host IP address: hostaddr.

Explanation: The enable process has completed successfully.

System Action: Processing continues.

User Response: None.

Destination: Console and Transient Data Queue CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, hostaddr

DFHRP0501 date time applid tranid CICS ONC RPC normal disable processing has started. Host IP address: hostaddr.

Explanation: The server controller has started normal disable processing following a request by a connection manager user.

System Action: Processing continues.

User Response: None.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, hostaddr

DFHRP0502 date time applid tranid CICS ONC RPC immediate disable processing has started. Host IP address: hostaddr.

Explanation: The server controller has started immediate disable processing following a request by a connection manager user.

System Action: Processing continues.

User Response: None.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, hostaddr
**DFHRP0503**

date time applid tranid CICS ONS RPC disable processing is complete.

Explanation: The server controller has completed the disable processing.

System Action: Processing continues.

User Response: None.

Destination: Console and Transient Data Queue CRPO

Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid

**DFHRP0508**
date time applid tranid The CICS ONS RPC task related user exit (DFHRPTRU) has been disabled before the server controller could start.

Explanation: DFHRPTRU is enabled by the connection manager during enable processing. But DFHRPTRU was found to be disabled when the server controller started. This is probably caused by an operator manually disabling DFHRPTRU.

System Action: The server controller abends with abend code ARP2. CICS ONS RPC remains disabled. A system dump is taken. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Reenable CICS ONS RPC. Consider taking steps to avoid future manual interference with the TRUE.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid

**DFHRP0509**
date time applid tranid CICS ONS RPC has received an incorrect response on a call made to CICS during server controller startup.

Explanation: CICS ONS RPC has received a response indicating an error in CICS.

System Action: The server controller abends with abend code ARP2. CICS ONS RPC remains disabled. A system dump is taken. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated CICS message or messages for problem diagnosis.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid

**DFHRP0510**
date time applid tranid The CICS ONS RPC task related user exit (DFHRPTRU) has been deleted or disabled before the server controller could start.

Explanation: DFHRPTRU is enabled by the connection manager during enable processing, but the server controller received an indication that:

- DFHRPTRU is not defined to CICS, or
- it has no load module, or
- the load module is disabled.

This is probably caused by operator intervention.

System Action: The server controller abends with abend code ARPQ. A system dump is taken.

User Response: Reenable CICS ONS RPC. Consider taking steps to prevent future operator interference.

**DFHRP0513**

Explanation: The server controller used EXEC CICS LINK for converter converter_program_name to perform Decode, but received a PGMIDERR response.

System Action: An svcerr_systemerr call is used to send a reply to the client.

User Response: If the converter name is wrong, use the connection manager to unregister and reregister the 4-tuple with the correct converter name.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, converter_program_name, resp2val, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

**DFHRP0516**
date time applid tranid The CICS ONS RPC server controller obtained data length information from the Decode function of converter converter_program_name that gives a communication area length that is too great. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The communication area length calculated from the decode_server_data_format, decode_server_input_data_len, and decode_server_output_data_len parameters exceeds the permitted maximum. See the CICS Application Programming Guide for more information about the Decode function and its parameters.

System Action: An svcerr_systemerr call is used to send a reply to the client.

User Response: Correct and replace the erroneous converter.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

**DFHRP0517**
date time applid tranid The CICS ONS RPC server controller does not have resource-level security authorization to start alias transaction alias-tranid.


Explanation: The server controller cannot start the alias because it does not have the necessary resource-level security authorization.
DFHRP0521  date time applid tranid The CICS ONC RPC server controller detected an internal error while accessing an internal table.  Client IP address: clientaddr  Host IP address: hostaddr  Program: X'prognum'  Version: X'versnum'  Procedure: X'procnum'  Protocol: protocol  Port: port  Socket: socket

Explanation:  An internal error has occurred in the server controller while accessing an internal table.

System Action:  Processing continues.

User Response:  None.

Destination:  CRPO

Module:  DFHRPMS

XMEOUT Parameters:  date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket


Explanation:  The server controller cannot free storage allocated by the inbound XDR routine.  An svc_freeargs returned an error response.  This may be because the client associated with the call has timed out and the storage has already been freed by TCP/IP for MVS.

System Action:  The server controller continues to process this client request.  If the message is not a result of client time-out, MVS storage associated with the request will not be freed; if errors of this kind occur frequently, they may lead to storage problems.

User Response:  Examine the diagnostics to determine the reason for the error.  If a user-written XDR routine is being used, there may be an error in the code associated with the FREE
function. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Destination: CRPO
Module: DFHRPM
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, 'X'progname', 'X'versnum', 'X'procnum', protocol, port, socket

DFHRP0545 date time applid tranid The CICS Onc RPC server controller is unable to send an error reply to the client due to an error in reply processing. The transport handle was invalid or not found. Client IP address: clientaddr Host IP address: hostaddr Program: 'X'prognum' Version: 'X'versnum' Procedure: 'X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The server controller cannot send an error reply to the client because the transport handle is not valid.

System Action: The client request is abandoned, and no reply is sent to the client.
User Response: Examine the diagnostics to determine the reason for the error. You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPM
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, 'X'prognum', 'X'versnum', 'X'procnum', protocol, port, socket

DFHRP0546 date time applid tranid The CICS Onc RPC server controller is unable to send an error reply to the client because CICS Onc RPC is disabling. Client IP address: clientaddr Host IP address: hostaddr Program: 'X'prognum' Version: 'X'versnum' Procedure: 'X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The server controller cannot send an error reply to the client. CICS Onc RPC is disabling.

System Action: The client request is abandoned, and no reply is sent to the client.
User Response: Examine the diagnostics to determine the reason for the disable request.

Destination: CRPO
Module: DFHRPM
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, 'X'prognum', 'X'versnum', 'X'procnum', protocol, port, socket


Explanation: The server controller cannot send a reply to the client, because it received an error response from the RPC caller.

System Action: The client request is abandoned, and no reply is sent to the client. The server controller attempts to deal with requests from other clients, but may experience further RPC caller errors.
User Response: Examine the exception trace to determine the reason for the error. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPM
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, 'X'prognum', 'X'versnum', 'X'procnum', protocol, port, socket


Explanation: The server controller sent an error reply to the client. After this reply was sent, the server controller received an error response when attempting to free storage associated with the client call.

System Action: Processing continues as if the error had not occurred.
User Response: Examine the diagnostics to determine the reason for the error. You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPM
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, 'X'prognum', 'X'versnum', 'X'procnum', protocol, port, socket

DFHRP0549 date time applid tranid The CICS Onc RPC server controller has encountered an internal error while trying to disable its task related user exit.

Explanation: An attempt to disable the task-related user exit during disable processing has failed because of an internal error.

System Action: A system dump is taken. Disable processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4
Chapter 1. DFH messages

DFHRP0570 date time applid tranid The CICS ONC RPC server controller has encountered an internal error while waiting for work. Host IP address: hostaddr.

Explanation: CICS ONC RPC is unable to continue because of an internal error in the server controller.

System Action: A system dump is taken. The server controller abends with abend code ARP2. CICS ONC RPC remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, hostaddr

DFHRP0574 date time applid tranid The CICS ONC RPC server controller has encountered an internal error while waiting for work. Host IP address: hostaddr.

Explanation: CICS ONC RPC is unable to continue because of an internal error in the server controller.

System Action: In some circumstances, a system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, hostaddr

DFHRP0589 date time applid tranid The CICS ONC RPC server controller cannot enable CICS ONC RPC because it is not defined with the authority to access the task-related user exit.

Explanation: The server controller cannot access the task-related user exit. This error can arise only if the supplied definitions for the server controller have been changed.

System Action: The server controller abends with abend code ARP2. CICS ONC RPC remains disabled.

User Response: Ensure that the supplied definitions for the server controller are used, and reenable CICS ONC RPC.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, hostaddr

DFHRP0590 date time applid tranid The CICS ONC RPC server controller has received an unexpected response on a call to CICS during CICS ONC RPC enable processing.

Explanation: CICS ONC RPC enable processing cannot continue because of an error in CICS.

System Action: A system dump is taken. The server controller abends with abend code ARP2. CICS ONC RPC remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid

DFHRP0591 date time applid tranid CICS ONC RPC could not be enabled because of an internal error in the server controller.

Explanation: The server controller cannot start because of an internal error.

System Action: A system dump is taken. The server controller abends with abend code ARP2. CICS ONC RPC remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid

DFHRP0592 date time applid tranid The CICS ONC RPC server controller detected an error while polling for client work. Host IP address: hostaddr.

Explanation: The server controller cannot continue because of an internal error.

System Action: CICS ONC RPC is disabled.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, hostaddr

Explanation: The server controller used EXEC CICS LINK to access the converter for Decode processing, but got an error response that indicated that the converter was defined as remote. Data pointers are passed to and from the converter, and the referenced data can only be used if the converter runs in the local CICS region.

System Action: A system dump is taken. An svcerr_systemerr call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Install and define the converter program in the same CICS region as CICS ONC RPC.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0620  date time applid tranid The CICS ONC RPC server controller received an unexpected response from CICS when attempting to access converter converter_program_name. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: A client request has failed because of an error in CICS.

System Action: A system dump is taken. An svcerr_systemerr call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0621  date time applid tranid The CICS ONC RPC server controller is not authorized to link to converter converter_program_name. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The server controller cannot access the converter. This error can arise only if the supplied definitions for the server controller have been changed.

System Action: A system dump is taken. An svcerr_systemerr call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the supplied definitions for the server controller are used, and reenable CICS ONC RPC.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket


Explanation: Decode returned an unexpected response.

System Action: An svcerr_systemerr call is used to send a reply to the client.

User Response: Correct and replace the converter program in question.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket


Explanation: Decode returned URP_EXCEPTION with a reason URP_CORRUPT_CLIENT_DATA.

System Action: An svcerr_decode call is used to send a reply to the client.

User Response: Compare the client program and the converter program and change one or the other to make the data formats consistent.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket


Explanation: Decode returned URP_EXCEPTION with a reason URP_AUTH_BADCRED.

System Action: An svcerr_auth call with a why-value of AUTH_BADCRED is used to send a reply to the client.

User Response: If the client should be authorized to make this request, compare the client program and the converter, and change one or the other so that authentication requirements match.

Destination: CRPO
Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X’prognum’, X’versnum’, X’procnum’, protocol, port, socket


Explanation: Decode returned URP_EXCEPTION with a reason of URP_AUTH_TOOWEAK.

System Action: An svcerr_auth call with a why-value of AUTH_TOOWEAK is used to send a reply to the client.

User Response: If the client should be authorized to make this request, compare the client program and the converter, and change one or the other so that authentication requirements match.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X’prognum’, X’versnum’, X’procnum’, protocol, port, socket

DFHRP0631 date time applid tranid The CICS ONC RPC server controller encountered an error in Decode processing in converter converter_program_name. The response was URP_EXCEPTION, but the reason decode_reason was not recognized. Client IP address: clientaddr Host IP address: hostaddr Program: X’prognum’ Version: X’versnum’ Procedure: X’procnum’ Protocol: protocol Port: port Socket: socket.

Explanation: Decode returned URP_EXCEPTION with an unrecognized reason code.

System Action: An svcerr_systemerr call is used to send a reply to the client.

User Response: If the reason code returned has a user-defined meaning act accordingly. If the reason code does not have a user-defined meaning, fix the problem with the converter and replace it.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, converter_program_name, decode_reason, clientaddr, hostaddr, X’prognum’, X’versnum’, X’procnum’, protocol, port, socket


Explanation: Decode returned URP_INVALID.

System Action: An svcerr_systemerr call is used to send a reply to the client.

User Response: The Decode parameter area will have been traced. If the values passed were correct, and the error is in the converter, correct and replace the converter. If the values passed were incorrect, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X’prognum’, X’versnum’, X’procnum’, protocol, port, socket


Explanation: Decode returned URP_DISASTER.

System Action: An svcerr_systemerr call is used to send a reply to the client.

User Response: Correct and replace the converter.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X’prognum’, X’versnum’, X’procnum’, protocol, port, socket

DFHRP0636 date time applid tranid The CICS ONC RPC server controller was unable to process an incoming client request due to lack of storage. Client IP address: clientaddr Host IP address: hostaddr Program: X’prognum’ Version: X’versnum’ Procedure: X’procnum’ Protocol: protocol Port: port Socket: socket.

Explanation: An incoming client request could not be processed because there was insufficient storage available.

System Action: An svcerr_systemerr call is used to send a reply to the client.

User Response: If this error occurs persistently, you may need to customize your CICS system to cure the lack of storage.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X’prognum’, X’versnum’, X’procnum’, protocol, port, socket

DFHRP0637 date time applid tranid The CICS ONC RPC server controller was unable to process an incoming client request due to an internal error. Client IP address: clientaddr Host IP address: hostaddr Program: X’prognum’ Version: X’versnum’ Procedure: X’procnum’ Protocol: protocol Port: port Socket: socket.

Explanation: An internal error has forced CICS ONC RPC to abandon a client request.

System Action: An svcerr_systemerr call is used to send a reply to the client.

User Response: You need further assistance from IBM to resolve this problem.
DFHRP0638

**XMEOUT Parameters:** date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

**Explanation:** An incoming client request could not be processed because an unexpected error occurred when obtaining storage to process the request.

**System Action:** An **svcerr_systemerr** call is used to send a reply to the client.

**User Response:** You need assistance from IBM to resolve this problem.

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DFHRP0639

**XMEOUT Parameters:** date, time, applid, tranid, eibresp, eibresp2, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

**Explanation:** The server controller has received a response that indicates a logic error while calling CICS to establish its initialization information.

**System Action:** The server controller abends with abend code ARP2. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CRPO

**Module:** DFHRPMS

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DFHRP0640

**XMEOUT Parameters:** date, time, applid, tranid

**Explanation:** The server controller transaction CRPM has been started incorrectly.

**System Action:** The server controller transaction CRPM has been started by a means other than the connection manager program, possibly by a user at a terminal.

**User Response:** Check that the CRPM transaction id was not entered by a terminal user.

**Destination:** CRPO

**Module:** DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, alias_tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0688 date time applid tranid The CICS ONC RPC server controller detected an error while starting alias transaction alias_tranid. The error indicated that the transaction is remote. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias transaction is defined as remote, but aliases must run in the same CICS region as CICS ONC RPC.

System Action: A system dump is taken. An svcerr_systemerr call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Define the alias as a local transaction.

Destination: CRPO
Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, alias_tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket


Explanation: An attempt by a user ID to access an alias transaction failed because of a security check. This may not be an error as you may wish to prevent the client involved from accessing the alias transaction.

System Action: An svcerr_auth call with a why-value of AUTH_TOOWEAK is used to send a reply to the client.

User Response: If you wish the alias to run under this user ID, define the userid to the external security manager, and change your surrogate user ID tables.

Destination: CRPO
Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, alias_tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket


Explanation: A client request has failed because of an error in CICS.

System Action: A system dump is taken. An svcerr_systemerr call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination.

Destination: CRPO
Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, alias_tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0691 date time applid tranid The CICS ONC RPC server controller found that the user ID attempting to access alias transaction alias_tranid is not known to the external security manager. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The controller could not start the alias with the user ID because the user ID is not known to the external security manager.

System Action: An svcerr_auth call with a why-value of AUTH_TOOWEAK is used to send a reply to the client.

User Response: If you wish the user ID to access the alias, define the user ID to the external security manager, and change your surrogate user ID tables.

Destination: CRPO
Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, alias_tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0692 date time applid tranid The CICS ONC RPC server controller found that the external security manager cannot validate the user ID for alias transaction alias_tranid. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: An attempt to start the alias with an alias user ID failed as the external security manager cannot determine whether the user ID is valid.

System Action: An svcerr_systemerr call is used to send a reply to the client.

User Response: Determine the reason why the external security manager was unable to perform the request.

Destination: CRPO
Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, alias_tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0694 date time applid tranid The CICS ONC RPC server controller could not start alias transaction alias_tranid because it is not defined. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: The alias transaction alias_tranid is missing or is not correctly defined.

System Action: An svcerr_systemerr call is used to send a reply to the client.

User Response: Define the alias transaction correctly, or change the definitions of the 4-tuples that refer to it.
DFHRP0697

Destination: CRPO
Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid, alias_tranid, clientaddr, hostaddr, X’prognum’, X’versnum’, X’procnum’, protocol, port, socket

DFHRP0725 date time applid tranid The CICS ONC RPC server controller has detected an error when attempting to issue a RELEASE for the alias list program.

Explanation: During CICS ONC RPC disable processing, the server controller releases the alias list program, but received an error response.

System Action: Disable processing continues.

User Response: It might not be possible to reenable CICS ONC RPC without restarting CICS. If this error is not associated with others, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid

DFHRP0726 date time applid tranid During disable processing, the CICS ONC RPC server controller found that the task-related user exit was already disabled.

Explanation: During disable processing, the server controller found that the task-related user exit was already disabled or that it has not been defined as an exit. This is probably the result of operator intervention.

System Action: Disable processing continues.

User Response: Take steps to prevent operator interference with the task-related user exit.

Destination: CRPO
Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid

DFHRP0727 date time applid tranid During disable processing, the CICS ONC RPC server controller found that the task-related user exit is in use by another task.

Explanation: During disable processing, the server controller found that the task-related user exit is currently invoked by another task. This may be a temporary condition, or it may be that the task related user exit has already been disabled.

System Action: Disable processing continues.

User Response: Investigate whether the operator has disabled the task related user exit DFHRPTRU for any reason.

Destination: CRPO
Module: DFHRPMS

XMEOUT Parameters: date, time, applid, tranid

DFHRP0728 date time applid tranid The CICS ONC RPC server controller received an unexpected response from CICS while disabling the task-related user exit.

Explanation: An error occurred in CICS when the server controller tried to disable the task-related user exit during CICS ONC RPC disable processing.

System Action: A system dump is taken. Disable processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination.

Destination: CRPO

XMEOUT Parameters: date, time, applid, tranid
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DFHRP0729 date time applid tranid The CICS ONC RPC server controller has detected an internal error during disable processing.

Explanation: CICS ONC RPC has detected an internal error during disable processing.

System Action: Disable processing continues.

User Response: If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid

DFHRP0730 date time applid tranid The CICS ONC RPC server controller does not have authorization to access the task-related user exit.

Explanation: During disable processing, the server controller found that it did not have the authorization to access the task-related user exit. This problem arises if the supplied definitions of the server controller are changed. Changes to these definitions are not allowed.

System Action: Disable processing continues.

User Response: Ensure that the supplied definitions for the server controller are used, and reenable CICS ONC RPC.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid

DFHRP0731 date time applid tranid The CICS ONC RPC server controller has detected an internal error during disable processing.

Explanation: CICS ONC RPC has detected an internal error during disable processing.

System Action: Disable processing continues.

User Response: If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid

DFHRP0732 date time applid tranid The CICS ONC RPC server controller has detected an internal error during disable processing.

Explanation: During disable processing, the server controller attempted to unregister for problem determination, but received an error response.

System Action: Disable processing continues.

User Response: If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid

DFHRP0735 date time applid tranid The CICS ONC RPC server controller HANDLE ABEND code was entered as a result of an error in the Decode function in converter converter_program_name. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'prognum' Protocol: protocol Port: port Socket: socket.

Explanation: An error has occurred in Decode in converter converter_program_name. Because the converter does not contain HANDLE ABEND logic, the error has percolated to the server controller.

System Action: An svcerr_systemerr call is used to send a reply to the client.

User Response: Correct the error in the converter. Add handle abort logic to the converter so that it can handle its own errors, and replace it.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket

DFHRP0736 date time applid tranid The CICS ONC RPC server controller has encountered an internal error while processing a client request. Client IP address: clientaddr Host IP address: hostaddr Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol Port: port Socket: socket.

Explanation: An internal error has forced CICS ONC RPC to abandon a client request.

System Action: A system dump is taken. An svcerr_systemerr call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket
DFHRP0737  date time applid tranid The CICS ONC RPC server controller has encountered an internal error. Host IP address: hostaddr.

Explanation: The server controller has encountered an internal error and cannot continue.

System Action: A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid, hostaddr

DFHRP0741  date time applid tranid The CICS ONC RPC server controller is abending with abend code ARP4.

Explanation: The server controller encountered an error and cannot continue.

System Action: CICS ONC RPC is disabled. CICS ONC RPC has already issued other diagnostics giving further information about the error. The server controller abends with abend code ARP4.

User Response: See the associated diagnostics and the description of abend code ARP4 for further guidance.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid

DFHRP0746  date time applid tranid The CICS ONC RPC server controller is abending with abend code ARP2.

Explanation: The server controller encountered an error and cannot continue.

System Action: The server controller abends with abend code ARP2. CICS ONC RPC is disabled.

User Response: See the associated diagnostics and the description of abend code ARP2 for further guidance.

Destination: CRPO
Module: DFHRPMS
XMEOUT Parameters: date, time, applid, tranid

DFHRP1000  date time applid The CICS ONC RPC RPC caller is initializing.

Explanation: The server controller has started initialization of the RPC caller.

System Action: Processing continues.

User Response: None.

Destination: CRPO
Module: DFHRPRP
XMEOUT Parameters: date, time, applid

DFHRP1001  date time applid The CICS ONC RPC RPC caller has been initialized successfully.

Explanation: The RPC caller has been initialized, and it is now ready for use.

System Action: Processing continues.

User Response: None.

Destination: CRPO
Module: DFHRPRP
XMEOUT Parameters: date, time, applid

DFHRP1002  date time applid The CICS ONC RPC RPC caller is shutting down.

Explanation: Termination of the RPC caller has started.

System Action: Processing continues.

User Response: None.

Destination: CRPO
Module: DFHRPRP
XMEOUT Parameters: date, time, applid
DFHRP1003 date time applid The CICS ONC RPC RPC caller has successfully shutdown.

Explanation: Termination of the RPC caller has completed.
System Action: Processing continues.
User Response: None.
Destination: CRPO
Module: DFHRPRP
XMEOUT Parameters: date, time, applid

DFHRP1500 date time applid tranid Invalid data has been entered in field fieldname.

Explanation: Invalid data was entered on a connection manager panel in field fieldname.
System Action: The panel is redisplayed and the field in error is highlighted.
User Response: Enter valid data in the field indicated. See the CICS External Interfaces Guide for further guidance.
Destination: Terminal End User
Modules: DFHRPC06, DFHRPC10, DFHRPC0A, DFHRPC1B

DFHRP1501 date time applid tranid The value entered in field fieldname exceeds the maximum allowed.

Explanation: The value entered on a connection manager panel in field fieldname exceeds the maximum allowed.
System Action: The panel is redisplayed and the field in error is highlighted.
User Response: Enter valid data in the field indicated. See the CICS External Interfaces Guide for further guidance.
Destination: Terminal End User
Module: DFHRPC0B

DFHRP1505 date time applid tranid The CICS ONC RPC connection manager has not been started correctly.

Explanation: The connection manager has been started from a non-BMS terminal but is not being used to enable or disable CICS ONC RPC.
System Action: The connection manager terminates.
User Response: The connection manager can be used as follows from a non-BMS terminal:
- If CICS ONC RPC is disabled, the connection manager can be used for automatic enable, either by setting automatic enable to YES on the CICS ONC RPC data set or by entering a fast path command with YES for automatic enable.
- If CICS ONC RPC is enabled, the connection manager can be used for disable by entering a valid disable fast path command.
See the CICS External Interfaces Guide for guidance on how to start the connection manager.
Destination: CRPO

DFHRP1506 date time applid tranid The CICS ONC RPC connection manager detected an error attempting to retrieve any fast path data. EIBRESP: eibresp.

Explanation: The connection manager was attempting to retrieve any fast path commands that may have been specified when it was initiated. The connection manager issued an EXEC CICS GETMAIN command, but received the response eibresp.
System Action: A system dump is taken. The connection manager continues but any fast path commands are ignored. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
Destination: CRPO
Module: DFHRPC01
XMEOUT Parameters: date, time, applid, tranid, eibresp

DFHRP1507 date time applid tranid An invalid CICS ONC RPC fast path command has been entered: fastpath_command has been entered.

Explanation: The connection manager was started by entering a fast path command but the format of the command was invalid.
System Action: The connection manager is started, but fast path commands are ignored.
User Response: Enter a valid fast path command. See the CICS External Interfaces Guide for further guidance.
Destination: CRPO
Module: DFHRPC01
XMEOUT Parameters: date, time, applid, tranid, fastpath_command

DFHRP1508 date time applid tranid The CICS ONC RPC connection manager has not been started correctly.

Explanation: The connection manager was attempting to retrieve any fast path commands that may have been specified when it was initiated, but detected an invalid STARTCODE indicator.
System Action: The connection manager continues but any fast path commands are ignored.
User Response: See the CICS External Interfaces Guide for guidance on how to start the connection manager. If the connection manager was started correctly, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CRPO
Module: DFHRPC01
XMEOUT Parameters: date, time, applid, tranid
DFHRP1509

**Date Time Applid Tranid** The CICS ONC RPC connection manager detected an error attempting to retrieve any fast path data. **EIBRESP**: eibresp.

**Explanation:** The connection manager was attempting to retrieve any fast path commands that may have been specified when it was initiated using an EXEC CICS START command. The connection manager issued an EXEC CICS RETRIEVE command, but received the response eibresp.

**System Action:** A system dump is taken. The connection manager continues but any fast path commands are ignored. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC01

**XMEOUT Parameters:** date, time, applid, tranid, eibresp

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DFHRP1510

**Date Time Applid Tranid** The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file **filename**. **EIBRESP**: eibresp.

**Explanation:** The connection manager could not access the CICS ONC RPC data set, CICS file **filename**. An EXEC CICS READ was issued, but received the response eibresp. The data set has not been correctly defined to CICS for one of the following reasons:

- No file definition has been found for **filename**. CICS ONC RPC has therefore not been installed correctly.
- READ operations are not allowed on the file.
- The file is DISABLED, either due to an incorrect file definition, or due to operator intervention.
- The file cannot be opened because it has not been defined correctly, or because it has been closed by operator intervention.
- The connection manager transaction, or the user running it, does not have the necessary level of authority to access the file.

**System Action:** The requested operation is not performed.

**User Response:** Use Appendix A of the Application Programming Reference manual to find out what the EIBRESP value means, and take appropriate action.

**Destination:** CRPO

**Module:** DFHRPC01

**XMEOUT Parameters:** date, time, applid, tranid, filename, eibresp

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DFHRP1511

**Date Time Applid Tranid** The CICS ONC RPC connection manager has detected a logic error accessing the CICS ONC RPC data set, CICS file **filename**.

**Explanation:** The connection manager received an unexpected error when accessing the CICS ONC RPC data set, CICS file **filename**. This is a logic error. The connection manager has received an unexpected response from CICS following an EXEC CICS command.

**System Action:** A system dump is taken. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC01

**XMEOUT Parameters:** date, time, applid, tranid, filename

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DFHRP1512

**Date Time Applid Tranid** The CICS ONC RPC connection manager cannot access the CICS ONC RPC data set, CICS file **filename**.

**Explanation:** The connection manager could not access the CICS ONC RPC data set, CICS file **filename**. The data set has not been correctly defined to CICS for one of the following reasons:

- No file definition has been found for **filename**. CICS ONC RPC has therefore not been installed correctly.
- READ operations are not allowed on the file.
- The file has been disabled, either due to an incorrect data set definition, or due to operator intervention.
- The file cannot be opened because it has not been defined correctly, or because it has been closed by operator intervention.
- The connection manager transaction, or the user running the connection manager, does not have the necessary level of authority to access the file.

**System Action:** The message is displayed at the terminal.

**User Response:** Ensure that all the CEDA groups for CICS ONC RPC have been installed correctly.

Investigate whether the operator has changed the status of the file for any reason.

**Destination:** CRPO

**Module:** DFHRPC01

**XMEOUT Parameters:** date, time, applid, tranid, filename

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DFHRP1513

**Date Time Applid Tranid** The CICS ONC RPC connection manager has detected invalid data in the definition record of the CICS ONC RPC data set, CICS file **filename**.

**Explanation:** The connection manager detected an error in the definition record in the CICS ONC RPC data set.

**System Action:** A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Ensure that the first record in the data set has been correctly initialized. You can do this by manually updating the record (see the CICS External Interfaces Guide for further guidance), or by deleting the first record in the data set, and rerunning the connection manager. This creates a new definition record using the default settings which can then be updated using the connection manager panels.

**Destination:** CRPO

**Module:** DFHRPC01

**XMEOUT Parameters:** date, time, applid, tranid, filename
**DFHRP1514** date time applid tranid The CICS ONC RPC connection manager has detected that the CICS ONC RPC global work area does not have the expected length.

**Explanation:** The connection manager detected that the length of the associated global work area is not correct.

**System Action:** A system dump is taken. CICS ONC RPC is disabled. It is not possible to enable CICS ONC RPC until the problem is resolved. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Make sure that no user-written version of program DFHRPTRU is being used. Only the CICS ONC RPC supplied program can be used with CICS ONC RPC. Similarly, the CICS ONC RPC supplied task-related user exit DFHRPTRU should only be enabled and disabled by the connection manager. It should not be necessary to enable or disable DFHRPTRU in any other way.

**Destination:** CRPO  
**Module:** DFHRPC01  
**XMEOUT Parameters:** date, time, applid, tranid

**DFHRP1515** date time applid tranid The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename. EIBRESP: eibresp.

**Explanation:** The connection manager could not access the CICS ONC RPC data set, CICS file filename. An EXEC CICS READ was issued, but received the response eibresp. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.
- VSAM has returned an unexpected response to CICS.
- An I/O error occurred on the READ.

**System Action:** A system dump is taken. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Use Appendix A of the Application Programming Reference manual to find out what the EIBRESP value means, and take appropriate action.

**Destination:** CRPO  
**Module:** DFHRPC01  
**XMEOUT Parameters:** date, time, applid, tranid, filename, eibresp

**DFHRP1516** date time applid tranid The CICS ONC RPC connection manager cannot access the feature definition record in the CICS ONC RPC data set, CICS file filename.

**Explanation:** The connection manager found that the CICS ONC RPC definition record is missing from the CICS ONC RPC data set, CICS file filename, while processing a request to update this record.

**System Action:** A system dump is taken. The CICS ONC RPC definition record cannot be updated. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Investigate the reason why this record does not exist. You must create a new CICS ONC RPC definition record with the connection manager.

**Destination:** CRPO  
**Module:** DFHRPC01  
**XMEOUT Parameters:** date, time, applid, tranid, filename

**DFHRP1517** date time applid tranid The CICS ONC RPC connection manager cannot find the global work area.

**Explanation:** The connection manager cannot access its global work area.

**System Action:** A system dump is taken. The connection manager continues, but CICS ONC RPC cannot be enabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** End the connection manager. Ensure that all the CEDA groups containing the CICS ONC RPC definitions have been correctly installed. Then try running the connection manager again.

If CICS ONC RPC has been correctly installed, check that the operator has disabled the task-related user exit DFHRPTRU.

**Destination:** CRPO  
**Module:** DFHRPC01  
**XMEOUT Parameters:** date, time, applid, tranid

**DFHRP1518** date time applid tranid The CICS ONC RPC connection manager cannot find the task-related user exit.

**Explanation:** The connection manager cannot access its task-related user exit for one of the following reasons:

- DFHRPTRU has not been defined to CICS
- DFHRPTRU is not in the CICS load library
- DFHRPTRU has been disabled

**System Action:** A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** End the connection manager. Ensure that all the CEDA groups containing CICS ONC RPC definitions have been installed correctly. Then try running the connection manager again.

If CICS ONC RPC has been correctly installed, check that the operator has not disabled DFHRPTRU.

**Destination:** CRPO  
**Module:** DFHRPC01  
**XMEOUT Parameters:** date, time, applid, tranid

**DFHRP1519** date time applid tranid The CICS ONC RPC connection manager is not authorized to access its task related user exit. EIBRESP2: eibresp2.

**Explanation:** The connection manager used EXEC CICS EXTRACT EXIT to find the task-related user exit, but got a NOTAUTH response.

**System Action:** A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Use the EIBRESP2 value to identify the problem.

**Destination:** CRPO  
**Module:** DFHRPC01

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DFHRP1521

XMEOUT Parameters: date, time, applid, tranid, elbresp2

DFHRP1521  date time applid tranid The CICS ONC RPC connection manager cannot access its task related user exit.

Explanation: The connection manager cannot access the task related user exit. It received an unexpected response to an EXEC CICS EXTRACT call.

System Action: A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC01
XMEOUT Parameters: date, time, applid, tranid

DFHRP1522  date time applid tranid The CICS ONC RPC connection manager has been started against an invalid terminal.

Explanation: The connection manager has been started against a terminal that is not supported, for example, an LUTYPE6 terminal.

System Action: The connection manager abends with abend code ARPX.

User Response: Start the connection manager against a valid terminal. See the CICS External Interfaces Guide for further guidance on starting the connection manager.

Destination: CRPO
Module: DFHRPC01
XMEOUT Parameters: date, time, applid, tranid

DFHRP1523  date time applid tranid CICS ONC RPC cannot be enabled because the connection manager cannot access the task-related user exit DFHRPTRU.

Explanation: The connection manager could not enable CICS ONC RPC because an error occurred accessing the task related user exit DFHRPTRU.

System Action: A system dump is taken. This instance of connection manager can only be used to inquire on, or update the CICS ONC RPC data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the CRPO transient data queue for messages indicating the nature of the error, and take the appropriate action. Then restart the connection manager transaction and select the enable option again.

Destination: CRPO
Module: DFHRPC01
XMEOUT Parameters: date, time, applid, tranid

DFHRP1524  date time applid tranid CICS ONC RPC cannot be enabled because the server controller is already running.

Explanation: The connection manager detected that the task-related user exit DFHRPTRU is disabled, but the server controller transaction is still running.

System Action: A system dump is taken. This instance of connection manager can only be used to inquire on, or update, the CICS ONC RPC data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate why the last attempt to disable CICS ONC RPC did not complete successfully. Investigate the possibility of operator intervention.

Once you have established that it is safe to continue, use CEMT SET TASK or EXEC CICS SET TASK to purge the server controller. Then run the connection manager again to enable CICS ONC RPC.

Destination: CRPO
Module: DFHRPC01
XMEOUT Parameters: date, time, applid, tranid

DFHRP1525  date time applid tranid The CICS ONC RPC connection manager received an unexpected response from CICS.

Explanation: The connection manager detected a logic error. It received an unexpected response to a CICS command.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC01
XMEOUT Parameters: date, time, applid, tranid

DFHRP1526  date time applid tranid The CICS ONC RPC connection manager found that the task-related user exit is enabled, but the server controller is not running.

Explanation: The connection manager has detected that the task-related user exit DFHRPTRU is enabled, but the server controller is not running. This means that CICS ONC RPC is in an indeterminate state.

System Action: This instance of connection manager can only be used to inquire on, or update, the CICS ONC RPC data set.

User Response: Investigate whether the previous attempt to disable CICS ONC RPC completed successfully. Alternatively, the server controller task may have been forcepurged by the operator.

Once you have established that it is safe to continue, try running the connection manager again and enabling CICS ONC RPC.

Destination: CRPO
Module: DFHRPC01
XMEOUT Parameters: date, time, applid, tranid
DFHRP1527 date time applid tranid CICS ONC RPC cannot be enabled because disable processing has not completed.

Explanation: CICS ONC RPC is being disabled.

System Action: The current instance of CICS ONC RPC is disabled.

User Response: Wait for disable to complete before attempting to enable the CICS ONC RPC again.

Destination: CRPO and Terminal End User

Module: DFHRPC4C

XMEOUT Parameters: date, time, applid, tranid

DFHRP1528 date time applid tranid The CICS ONC RPC connection manager detected an error while initializing the RPC caller component during CICS ONC RPC enable processing.

Explanation: The RPC caller could not be started.

System Action: The enable attempt is abandoned.

User Response: If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO and Terminal End User

Module: DFHRPC4C

XMEOUT Parameters: date, time, applid, tranid

DFHRP1529 date time applid tranid The CICS ONC RPC connection manager detected an error in enable processing. Host IP address hostaddr.

Explanation: The connection manager discovered a storage problem while trying to enable CICS ONC RPC.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination.

See the CICS Problem Determination Guide for guidance on dealing with storage problems.

Destination: CRPO and Terminal End User

Module: DFHRPC09

XMEOUT Parameters: date, time, applid, tranid, filename, eibresp

DFHRP1530 date time applid tranid The CICS ONC RPC connection manager detected a CICS short on storage condition during initialization of the RPC caller component. Host IP address hostaddr.

Explanation: The connection manager detected a short on storage condition.

System Action: The enable attempt is abandoned.

User Response: See the associated diagnostics issued by CICS for problem determination. See the CICS Problem Determination Guide for guidance on dealing with storage problems.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: date, time, applid, tranid, filename, eibresp

When the short on storage problem has been resolved, try to enable CICS ONC RPC again.

Destination: CRPO and Terminal End User

Module: DFHRPC4C

XMEOUT Parameters: date, time, applid, tranid, hostaddr

DFHRP1531 date time applid tranid The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename. EIBRESP: eibresp.

Explanation: The connection manager could not access the CICS ONC RPC data set, CICS file filename. An EXEC CICS WRITE was issued, but received the response eibresp. The error can occur for one of the following reasons:

- No file definition has been found for the file, implying that CICS ONC RPC has not been installed correctly.
- Write operations are not allowed, implying that CICS ONC RPC has not been installed correctly.
- The file is DISABLED, either due to an incorrect file definition, or due to operator intervention.
- The file is NOTOPEN, either due to an incorrect file definition or due to operator intervention.
- Write operations are not authorized, implying that security has not been set up correctly.

System Action: The requested operation is not performed.

User Response: Use Appendix A of the Application Programming Reference manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: date, time, applid, tranid, filename, eibresp

DFHRP1532 date time applid tranid The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename. EIBRESP: eibresp.

Explanation: The connection manager could not access the CICS ONC RPC data set, CICS file filename. An EXEC CICS WRITE was issued, but received the response eibresp. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.
- VSAM has returned an unexpected response to CICS.
- An I/O error occurred on the WRITE.
- There is insufficient space available on the DASD device containing the data set.

System Action: A system dump is taken. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use Appendix A of the Application Programming Reference manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: date, time, applid, tranid, filename, eibresp
DFHRP1533 date time applid tranid The CICS ONC RPC connection manager has detected a logic error while accessing the CICS ONC RPC data set, CICS file filename.

Explanation: The connection manager used EXEC CICS WRITE to update the CICS ONC RPC data set, but received an unexpected response. This is a logic error.

System Action: A system dump is taken. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC09
XMEOUT Parameters: date, time, applid, tranid, filename

DFHRP1534 date time applid tranid The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename. EIBRESP: eibrsp.

Explanation: The connection manager could not access the CICS ONC RPC data set, CICS file filename. An EXEC CICS WRITE was issued, but received the response eibrsp. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.
- VSAM has returned an unexpected response to CICS.
- An I/O error occurred on the WRITE.
- There is insufficient space available on the DASD device containing this file.

System Action: A system dump is taken. The 4-tuple definition is not saved in the data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use Appendix A of the Application Programming Reference manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO
Module: DFHRPC09
XMEOUT Parameters: date, time, applid, tranid, filename

DFHRP1536 date time applid tranid There was no entry for this 4-tuple in the CICS ONC RPC data set, CICS file filename.

Explanation: The connection manager did not find this 4-tuple in the CICS ONC RPC data set.

System Action: None.

User Response: Enter a 4-tuple that has already been saved in the data set.

Destination: Terminal End User
Module: DFHRPC09

DFHRP1537 date time applid tranid The CICS ONC RPC connection manager detected an internal error while registering 4-tuples from the CICS ONC RPC data set, CICS file filename.

Explanation: The connection manager detected an internal error while processing a request to register 4-tuples from the CICS ONC RPC data set.

System Action: A system dump is taken. No 4-tuples are registered. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC09
XMEOUT Parameters: date, time, applid, tranid, filename

DFHRP1538 date time applid tranid The CICS ONC RPC connection manager found no records on the CICS ONC RPC data set, CICS file filename.

Explanation: The connection manager was processing a request to register 4-tuples, but found no records on the CICS ONC RPC data set. The CICS ONC RPC definition record is missing.

System Action: A system dump is taken. No 4-tuples are registered. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the reason why there are no records. You must use the connection manager to create a new one.

Destination: CRPO
Module: DFHRPC09
XMEOUT Parameters: date, time, applid, tranid, filename

DFHRP1539 date time applid tranid The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename, while registering 4-tuples from the data set. EIBRESP: eibrsp.

Explanation: The connection manager could not access the CICS ONC RPC data set.

The error occurred while processing a request to register 4-tuples from the data set. Associated message DFHRP1545 may have been issued to indicate the number of 4-tuples that were registered.

An EXEC CICS STARTBR, EXEC CICS READNEXT, or EXEC CICS ENDBR was issued, but received the response eibrsp. The error can occur for one of the following reasons:

- No file definition has been found for the file, implying that CICS ONC RPC has not been installed correctly.
- BROWSE or READ operations are not allowed, implying that CICS ONC RPC has not been installed correctly.
- The file is DISABLED, either due to an incorrect file definition, or due to operator intervention.
- The file is NOTOPEN, either due to an incorrect file definition, or due to operator intervention.
- BROWSE or READ operations are not authorized, implying that security has not been set up correctly.
**DFHRP1540**

*Date, time, applid, tranid*

**The CICS ONC RPC connection manager detected a logic error.**

**Explanation:** The connection manager received an unexpected response from CICS following an EXEC CICS command.

**System Action:** A system dump is taken. The connection manager abends with abend code ARPV. The other components of CICS ONC RPC continue. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC09

**XMEOUT Parameters:** date, time, applid, tranid, filename, eibresp

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**DFHRP1541**

*Date, time, applid, tranid*

**The CICS ONC RPC connection manager detected a logic error.**

**Explanation:** The connection manager received an unexpected response from CICS following an EXEC CICS command.

**System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC4C

**XMEOUT Parameters:** date, time, applid, tranid

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**DFHRP1542**

*Date, time, applid, tranid*

**CICS ONC RPC detected an error while accessing the CICS ONC RPC data set, CICS file filename, while registering 4-tuples from the data set. EIBRESP: eibresp.**

**Explanation:** The connection manager could not access the CICS ONC RPC data set.

The error occurred while processing a request to register 4-tuples from the data set. Associated message DFHRP1545 may have been issued to indicate the number of 4-tuples that were registered.

An EXEC CICS STARTBR, EXEC CICS READNEXT or EXEC CICS ENDBR was issued, but received the response eibresp. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.
- VSAM has returned an unexpected response to CICS.
- An I/O error occurred on the BROWSE or READ command.

**System Action:** A system dump is taken. The connection manager cannot register 4-tuples from the data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Use Appendix A of the Application Programming Reference manual to find out what the EIBRESP value means, and take appropriate action.

**Destination:** CRPO

**Module:** DFHRPC09

**XMEOUT Parameters:** date, time, applid, tranid, filename

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**DFHRP1543**

*Date, time, applid, tranid, filename*

**The CICS ONC RPC connection manager detected a logic error while accessing the CICS ONC RPC data set, CICS file filename, while registering 4-tuples from the data set.**

**Explanation:** The connection manager has detected an error while accessing the CICS ONC RPC data set. This is a logic error since connection manager has received an unexpected response from CICS following an EXEC CICS STARTBR, EXEC CICS READNEXT or EXEC CICS ENDBR command.

The error occurred while processing a request to register 4-tuples from the data set. Associated message DFHRP1545 may have been issued to indicate the number of 4-tuples that were registered.

**System Action:** A system dump is taken. The connection manager cannot register 4-tuples from the data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC09

**XMEOUT Parameters:** date, time, applid, tranid, filename

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**DFHRP1544**

*Date, time, applid, tranid, filename*

**The CICS ONC RPC connection manager found no records in the CICS ONC RPC data set, CICS file filename.**

**Explanation:** The connection manager was processing a request to register 4-tuples, but found no records in the CICS ONC RPC data set. This indicates that the CICS ONC RPC definition record is missing.

**System Action:** A system dump is taken. No 4-tuples are registered. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Investigate the reason why there are no records. You must use the connection manager to create a new CICS ONC RPC definition record.

**Destination:** CRPO

**Module:** DFHRPC09

**XMEOUT Parameters:** date, time, applid, tranid, filename
### DFHRP1545

**DFHRP1545** date time applid tranid The CICS ONC RPC connection manager has completed registration of 4-tuples from the CICS ONC RPC data set, CICS file filename. Successful registers: count1. Unsuccessful registers: count2.

**Explanation:** The connection manager has finished registering 4-tuples from the CICS ONC RPC data set, CICS file filename. count1 indicates the number of 4-tuples that have been successfully registered. count2 indicates the number of 4-tuples that were not registered.

**System Action:** No further action.

**User Response:** No further action.

**Destination:** CRPO

**Module:** DFHRPC09

**XMEOUT Parameters:** date, time, applid, tranid, filename, count1, count2

### DFHRP1546

**DFHRP1546** date time applid tranid The CICS ONC RPC connection manager found no 4-tuple records on the CICS ONC RPC data set, CICS file filename.

**Explanation:** The connection manager was processing a request to register 4-tuples from the CICS ONC RPC data, but found no 4-tuple records in it.

**System Action:** No 4-tuples are registered.

**User Response:** Store some 4-tuple definitions in the data set before requesting this option.

**Destination:** CRPO

**Module:** DFHRPC09

**XMEOUT Parameters:** date, time, applid, tranid, filename

### DFHRP1547

**DFHRP1547** date time applid tranid The CICS ONC RPC connection manager detected an internal error while registering 4-tuples from the CICS ONC RPC data set, CICS file filename.

**Explanation:** The connection manager detected an internal error while processing a request to register 4-tuple from the CICS ONC RPC data set. Associated message DFHRP1545 indicates how many 4-tuples were registered.

**System Action:** A system dump is taken. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC09

**XMEOUT Parameters:** date, time, applid, tranid, filename

### DFHRP1548

**DFHRP1548** date time applid tranid The CICS ONC RPC connection manager detected an error attempting to retrieve any fast path data. EIBRESP: eibresp.

**Explanation:** The connection manager was attempting to retrieve any fast path commands that may have been specified when it was initiated from a terminal. The connection manager issued an EXEC CICS RECEIVE command, but received a response in field eibresp.

**System Action:** A system dump is taken. Start up of CICS ONC RPC continues but any fast path commands are ignored. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC01

**XMEOUT Parameters:** date, time, applid, tranid, eibresp

### DFHRP1549

**DFHRP1549** date time applid tranid The CICS ONC RPC connection manager received an error response while registering with CICS for problem determination.

**Explanation:** The connection manager received an unexpected response from CICS when attempting to register for problem determination.

**System Action:** A system dump is taken. CICS feature tracing and dump formatting cannot be used for CICS ONC RPC. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC01

**XMEOUT Parameters:** date, time, applid, tranid

### DFHRP1550

**DFHRP1550** date time applid tranid The CICS ONC RPC connection manager received an error response while registering with CICS for problem determination.

**Explanation:** The connection manager received an unexpected response from CICS when attempting to register for problem determination.

**System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC4C

**XMEOUT Parameters:** date, time, applid, tranid
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DFHRP1551 date time applid tranid The CICS ONC RPC connection manager could not enable CICS ONC RPC because of a CICS short on storage condition.
Explanation: The connection manager has made a request for storage during enable processing, but has received a reply indicating that CICS is short on storage.
System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: See the associated diagnostics issued by CICS for problem determination. You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1552 date time applid tranid The CICS ONC RPC connection manager has detected an internal error during enable processing.
Explanation: An internal error detected during enable processing has prevented the connection manager from enabling CICS ONC RPC.
System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1554 date time applid tranid The CICS ONC RPC connection manager has not been defined with the authorization necessary to use the CICS SPI.
Explanation: The connection manager has not been defined with the authorization necessary to execute CICS system programming interface commands. It cannot function without this authorization.
System Action: A system dump is taken. The enable attempt is abandoned.
User Response: Message DFHME0116 is normally produced containing the symptom string for this problem. Redefine the connection manager transaction and its associated program DFHRPC00 with the appropriate level of security to be able to use the CICS SPI.
Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1555 date time applid tranid The CICS ONC RPC connection manager is not authorized to use the program DFHRPTRU.
Explanation: The connection manager used the EXEC CICS ENABLE PROGRAM command for DFHRPTRU, but it has not been defined with the authorization necessary to use DFHRPTRU. It cannot function without this authorization.
System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: Redefine the connection manager and its associated programs with the appropriate level of security to be able to use the CICS ONC RPC supplied task-related user exit DFHRPTRU.
Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1556 date time applid tranid The CICS ONC RPC connection manager has detected an internal error during enable processing.
Explanation: An internal error detected by the connection manager during enable processing has prevented CICS ONC RPC from being enabled.
System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1557 date time applid tranid The CICS ONC RPC connection manager has detected an internal error during enable processing.
Explanation: An internal error detected by the connection manager during enable processing has prevented CICS ONC RPC from being enabled.
System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid
DFHRP1558 date time applid tranid The CICS ONC RPC connection manager could not find the task-related user exit, program DFHRPTRU.

Explanation: The connection manager cannot find the task-related user exit, DFHRPTRU, for one of the following reasons:
- DFHRPTRU has not been defined to CICS
- DFHRPTRU is not in the CICS load library
- DFHRPTRU has been disabled

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that all the CEDA groups for CICS ONC RPC have been installed correctly, then try the enable request again.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1559 date time applid tranid The CICS ONC RPC connection manager could not enable CICS ONC RPC because of a CICS short on storage condition.

Explanation: The connection manager has made a request for storage during enable processing, but has received a reply indicating that CICS is short on storage.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination. See the dfhtm00l. for guidance on dealing with CICS storage problems.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1560 date time applid tranid The CICS ONC RPC connection manager has detected an internal error during enable processing.

Explanation: An internal error detected by the connection manager during enable processing has prevented CICS ONC RPC from being enabled.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1561 date time applid tranid The CICS ONC RPC connection manager found that the task-related user exit, program DFHRPTRU, is already enabled.

Explanation: The connection manager found that the task-related user exit, DFHRPTRU, is already enabled.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Take steps to prevent operator intervention with the task related user exit, then try the enable request again.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1564 date time applid tranid CICS ONC RPC could not be enabled due to an internal error while starting the server controller. Host IP address: hostaddr.

Explanation: The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but could not determine the response that was returned.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid, hostaddr

DFHRP1565 date time applid tranid CICS ONC RPC cannot be enabled because the connection manager is not authorized to start the server controller. EIBRESP: eibresp. Host IP address: hostaddr.

Explanation: The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but the NOTAUTH response was returned.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the CICS System Programming Reference for the meaning of the value returned in eibresp. Use CEDA to ensure that the resource definitions for the CICS ONC RPC supplied programs and transactions have been defined with the correct levels of security. The connection manager must have the correct level of authority to start the server controller in order for CICS ONC RPC to be enabled successfully.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid, eibresp, hostaddr
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DFHRP1566 date time applid tranid CICS ONC RPC cannot be enabled due to an error starting the server controller. EIBRESP: eibresp. Host IP address: hostaddr.

Explanation: The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but the TRANSIDERR response was returned.

See the CICS System Programming Reference for the meaning of the value returned in eibresp.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use CEDA to ensure that the resource definitions for the CICS ONC RPC supplied programs and transactions have been defined with the correct levels of security. In order to enable CICS ONC RPC, the connection manager must have the correct level of authority to start the server controller.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1567 date time applid tranid CICS ONC RPC could not be enabled due to a security error starting the server controller. User ID userid is unknown. Host IP address: hostaddr.

Explanation: The connection manager attempted to start the server controller by issuing an EXEC CICS START USERID command, but the USERIDERR response was returned.

The user ID specified for the server controller is not known to the external security manager.

System Action: The enable attempt is abandoned.

User Response: Ensure that a valid user ID is specified for CRPM Userid.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid, userid, hostaddr

DFHRP1568 date time applid tranid CICS ONC RPC could not be enabled due to a security error starting the server controller. Host IP address: hostaddr.

Explanation: The connection manager attempted to start the server controller by issuing an EXEC CICS START USERID command, but the USERIDERR response was returned.

The external security manager is in a state such that it cannot validate the user ID specified for the server controller.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the reason why the external security manager cannot perform this request.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid, hostaddr

DFHRP1569 date time applid tranid The CICS ONC RPC connection manager has detected an internal error during enable processing.

Explanation: An internal error detected by the connection manager during enable processing has prevented CICS ONC RPC from being enabled.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1570 date time applid tranid CICS ONC RPC storage subpool token not saved.

Explanation: The connection manager has detected an error while saving the storage subpool token.

System Action: A system dump is taken. CICS ONC RPC continues normally. However if CICS ONC RPC abends, it may not be possible to reenable CICS ONC RPC without restarting CICS. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1571 date time applid tranid The CICS ONC RPC connection manager is not authorized to load module module.

Explanation: The connection manager has not been defined with the authorization necessary to issue an EXEC CICS LOAD command for the named module.

System Action: The enable attempt is abandoned.

User Response: Redefine the connection manager and its associated programs with the appropriate level of security to be able to issue EXEC CICS LOAD commands for the named CICS ONC RPC program.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid, module

DFHRP1572 date time applid tranid The CICS ONC RPC connection manager detected an error while loading module.

Explanation: The connection manager tried to load the module, but the response to EXEC CICS LOAD was PGMIDERR.

System Action: The enable attempt is abandoned.

User Response: Use the CEDA transaction to ensure that the connection manager (program DFHRPC00) and the named program are correctly defined. See the CICS External Interfaces Guide for the correct program definitions.
**DFHRP1574**

**Destination:** CRPO

**Module:** DFHRPC4C

**XMEOUT Parameters:** date, time, applid, tranid, module

The CICS ONC RPC connection manager load for module returned an unexpected response.

**Explanation:** The connection manager has not been able to load the module into storage. A response other than NOTAUTH or PGMIDERR was returned to the EXEC CICS LOAD command.

**System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Use the system dump to determine why the LOAD could not work.

**Destination:** CRPO

**Module:** DFHRPC4C

**XMEOUT Parameters:** date, time, applid, tranid, module

The CICS ONC RPC module could not be enabled due to an internal error starting the server controller. Host IP address: hostaddr.

**Explanation:** The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but received an unexpected response.

**System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC4C

**XMEOUT Parameters:** date, time, applid, tranid, module

The CICS ONC RPC module could not be enabled due to an internal error starting the server controller. EIBRESP: eibresp. Host IP address: hostaddr.

**Explanation:** The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but the INVREQ response was returned.

**System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC4C

**XMEOUT Parameters:** date, time, applid, tranid, eibresp, hostaddr

The CICS ONC RPC connection manager cannot access its task-related user exit DFHRPTRU.

**Explanation:** The connection manager was unable to access its task-related user exit DFHRPTRU during enable processing.

**System Action:** A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Check that the task-related user exit has not been disabled by operator intervention. See the associated diagnostics issued by CICS for problem determination.

**Destination:** CRPO

**Module:** DFHRPC4C

**XMEOUT Parameters:** date, time, applid, tranid

The CICS ONC RPC connection manager detected an internal error while registering 4-tuples from the CICS ONC RPC data set, CICS file filename.

**Explanation:** The connection manager has detected an internal error while processing a request to register 4-tuples from the CICS ONC RPC data set. Associated message DFHRP1545 may have been issued to indicate the number of 4-tuples that were successfully registered.

**System Action:** A system dump is taken. Registration of 4-tuples from the data set does not continue. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC09

**XMEOUT Parameters:** date, time, applid, tranid, filename

The CICS ONC RPC connection manager cannot establish whether security is active or obtain the default CICS user ID. EIBRESP: eibresp.

**Explanation:** The connection manager was unable to retrieve status information about CICS, and therefore cannot establish whether security is active, or obtain the default CICS user ID.

An EXEC CICS INQUIRE SYSTEM was issued but received the response shown in the message.

**System Action:** Processing continues under the assumption that there is no security active.

Panel DFHRP02 is displayed with no user ID in field CRPM Userid, unless a user ID was saved in the CICS ONC RPC data set.

**User Response:** Ensure that the connection manager has the correct level of security to use CICS system programming interface commands.

**Destination:** CRPO

**Module:** DFHRPC42

**XMEOUT Parameters:** date, time, applid, tranid, eibresp
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**DFHRP1581 date time applid tranid** The CICS ONC RPC connection manager detected an internal error while accessing the CICS ONC RPC data set, CICS file `filename`.

**Explanation:** The connection manager has detected an internal error while accessing the CICS ONC RPC data set.

**System Action:** A system dump is taken. The panel is redisplayed. No records can be updated. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Modules:** DFHRPC03, DFHRPC05

**XMEOUT Parameters:** `date, time, applid, tranid, filename`

**DFHRP1582 date time applid tranid** The CICS ONC RPC connection manager detected an internal error while accessing the CICS ONC RPC data set, CICS file `filename`.

**Explanation:** The connection manager has detected an internal error while accessing the CICS ONC RPC data set.

**System Action:** A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Modules:** DFHRPC03, DFHRPC05

**XMEOUT Parameters:** `date, time, applid, tranid, filename`

**DFHRP1583 date time applid tranid** The CICS ONC RPC connection manager found no entry for this 4-tuple in the CICS ONC RPC data set, CICS file `filename`.

**Explanation:** The connection manager has not found this 4-tuple in the CICS ONC RPC data set `filename`.

**System Action:** None.

**User Response:** Enter a 4-tuple that has already been saved in the data set.

**Destination:** Terminal End User

**Module:** DFHRPC09

**DFHRP1584 date time applid tranid** The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file `filename`, EIBRESP: `eibresp`.

**Explanation:** The connection manager could not access the CICS ONC RPC data set. An EXEC CICS DELETE was issued, but received the response `eibresp`. The data set has not been correctly defined to CICS for one of the following reasons:

- No file definition has been found for `filename`. CICS ONC RPC has therefore not been installed correctly.
- DELETE operations are not allowed on the file.
- The file has been disabled, either due to an incorrect file definition, or due to operator intervention.
- The file cannot be opened because it has not been defined correctly, or because it has been closed by operator intervention.
- The connection manager, or the user running it, does not have the necessary level of authority to access the file.

**System Action:** The requested operation is not performed. The connection manager cannot perform any operation requiring access to the data set.

**User Response:** Use Appendix A of the Application Programming Reference manual to find out what the EIBRESP value means, and take appropriate action.

Investigate whether the operator has changed the status of the data set for any reason.

**Destination:** CRPO

**Module:** DFHRPC09

**XMEOUT Parameters:** `date, time, applid, tranid, filename, eibresp`

**DFHRP1585 date time applid tranid** The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file `filename`, EIBRESP: `eibresp`.

**Explanation:** The connection manager could not access CICS ONC RPC data set, CICS file `filename`. An EXEC CICS DELETE was issued, but received the response `eibresp`. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.
- VSAM has returned an unexpected response to CICS.
- An I/O error occurred on the DELETE.

**System Action:** A system dump is taken. The requested operation is not performed. The connection manager cannot perform any function requiring access to the data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Use Appendix A of the Application Programming Reference manual to find out what the EIBRESP value means, and take appropriate action.

**Destination:** CRPO

**Module:** DFHRPC09

**XMEOUT Parameters:** `date, time, applid, tranid, filename, eibresp`
DFHRP1586  date time applid tranid The CICS ONC RPC connection manager detected a logic error accessing the CICS ONC RPC data set filename.

Explanation: The connection manager detected an unexpected error when accessing the CICS ONC RPC data set. This is a logic error. The connection manager has received an unexpected response from CICS following an EXEC CICS command.

System Action: A system dump is taken. The connection manager cannot perform any function requiring access to the CICS ONC RPC data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC09
XMEOUT Parameters: date, time, applid, tranid, filename

DFHRP1596  date time applid tranid The CICS ONC RPC connection manager cannot continue enable processing because it cannot determine the status of CICS ONC RPC.

Explanation: The connection manager was trying to enable CICS ONC RPC, but detected an invalid global work area address, or found that CICS ONC RPC was enabled.

System Action: The enable attempt is abandoned.

User Response: Investigate whether CICS ONC RPC has been disabled. Investigate whether operator command have been issued against the task-related user DFHRPTRU.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1600 date time applid tranid The CICS ONC RPC connection manager has completed backout of enable processing.

Explanation: CICS ONC RPC cannot be enabled. This may be the result of an error detected by the connection manager during enable processing or it may be due to CICS shutdown. The connection manager has completed backout of enable processing.

System Action: Processing continues.

User Response: See associated messages for the reason why the enable request failed.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1601 date time applid tranid The CICS ONC RPC connection manager cannot continue enable processing because it has detected that CICS is shutting down.

Explanation: CICS ONC RPC cannot be enabled when CICS is in shutdown.

System Action: The connection manager initiates backout of enable processing. If this is an immediate CICS shutdown, then transaction CRPC terminates.

User Response: Exit transaction CRPC to enable CICS shutdown to continue.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1602  date time applid tranid The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.

Explanation: The connection manager has detected an error attempting to shut down the RPC caller. This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1603  date time applid tranid The CICS ONC RPC connection manager has detected an error when attempting to issue a FREEMAIN for the RPC caller program.

Explanation: The connection manager has detected an error issuing a FREEMAIN for the RPC caller program to remove it from storage. This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid
DFHRP1604 date time applid tranid The CICS ONC RPC connection manager has detected an error when attempting to issue a RELEASE for the alias list program.

Explanation: The connection manager has detected an error issuing a release for the alias list program. This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1605 date time applid tranid The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.

Explanation: The connection manager has detected an internal error during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1606 date time applid tranid The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.

Explanation: The connection manager has detected an internal error during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1607 date time applid tranid The CICS ONC RPC connection manager has detected an error when attempting to disable the ONC RPC TRUE (DFHRPTRU).

Explanation: The connection manager detected an error attempting to disable the task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. It may be that the TRUE is already disabled, which may be the result of operator intervention. Alternatively, this could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. Take steps to prevent operator interference with the TRUE.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1608 date time applid tranid The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.

Explanation: The connection manager has detected an internal error attempting to disable the task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid
DFHRP1609 date time applid tranid  The CICS ONC RPC
can not be turned off because of problems with CICS which will probably be reflected in CICS diagnostics.

Explanation: The connection manager transaction does not have the necessary authority to disable its task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve the problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1610 date time applid tranid  The CICS ONC RPC
can not be turned off because of problems with CICS which will probably be reflected in CICS diagnostics.

Explanation: The connection manager transaction does not have the necessary authority to disable its task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve the problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1611 date time applid tranid  The CICS ONC RPC
can not be turned off because of problems with CICS which will probably be reflected in CICS diagnostics.

Explanation: The connection manager has detected an error attempting to unregister for problem determination. This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC4C
XMEOUT Parameters: date, time, applid, tranid

DFHRP1650 date time applid tranid  The CICS ONC RPC
can not be turned off because of problems with CICS which will probably be reflected in CICS diagnostics.

Explanation: A request has been made to disable CICS ONC RPC, but the current status indicates it is already disabled, or in the process of being disabled.

System Action: The request is ignored. The connection manager panel is redisplayed.

User Response: Request another option.
Destination: Terminal End User
Modules: DFHRPC01, DFHRPC04

DFHRP1651 date time applid tranid  The CICS ONC RPC
can not be turned off because of problems with CICS which will probably be reflected in CICS diagnostics.

Explanation: The connection manager transaction does not have the necessary authority to disable its task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the detailed symptoms given in message DFHME0116.

Destination: CRPO
Module: DFHRPC04
XMEOUT Parameters: date, time, applid, tranid

DFHRP1652 date time applid tranid  The CICS ONC RPC
can not be turned off because of problems with CICS which will probably be reflected in CICS diagnostics.

Explanation: The connection manager transaction does not have the necessary authority to disable its task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the detailed symptoms given in message DFHME0116.
DFHRP1750  
**Message:** The CICS ONC RPC connection manager has unregistered the 4-tuple.  
**Explanation:** The 4-tuple has been unregistered.  
**System Action:** Processing continues.  
**User Response:** None.  
**Destination:** CRPO  
**Module:** DFHRPC06  
**XMEOUT Parameters:** date, time, applid, tranid, hostaddr

DFHRP1751  
**Message:** The CICS ONC RPC connection manager detected an error while accessing an internal table.  
**Explanation:** The connection manager detected an error whilst accessing the list of 4-tuples registered with CICS ONC RPC.  
**System Action:** The connection manager panel is redisplayed. The requested action is not performed  
**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.  
**Destination:** CRPO  
**Module:** DFHRPC06  
**XMEOUT Parameters:** date, time, applid, tranid, X'prognum', X'versnum', protocol, hostaddr

DFHRP1752  
**Message:** The CICS ONC RPC connection manager detected an error while accessing an internal table.  
**Explanation:** The connection manager has detected an internal error while accessing the list of 4-tuples registered with CICS ONC RPC.  
**System Action:** The connection manager panel is redisplayed.  
**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.  
**Destination:** CRPO  
**Module:** DFHRPC06  
**XMEOUT Parameters:** date, time, applid, tranid, hostaddr

DFHRP1753  
**Message:** A CICS ONC RPC operation could not be performed because CICS is short on storage.  
**Explanation:** The connection manager could not to perform an unregister operation because CICS is short on storage.  
**System Action:** The connection manager continues.  
**User Response:** Retry the unregister operation when the CICS storage problem has been resolved.  
**Destination:** CRPO  
**Module:** DFHRPC06  
**XMEOUT Parameters:** date, time, applid, tranid, hostaddr
DFHRP1757 data time applid tranid The CICS ONC RPC connection manager cannot unregister the requested 4-tuple because it is not registered.

Explanation: The connection manager is unable to complete the current unregister operation because the requested 4-tuple is not registered.

System Action: The connection manager continues, but the unregister operation currently being performed is not completed.

User Response: If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Destination: CRPO
Module: DFHRPC06
XMEOUT Parameters: date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

DFHRP1760 data time applid tranid The CICS ONC RPC connection manager detected an error while unregistering a program-version pair with TCP/IP for MVS.

Explanation: The connection manager detected an error while unregistering a program-version pair with TCP/IP for MVS, and is unable to complete the current unregister operation.

System Action: The connection manager continues, but the unregister operation is not completed.

User Response: See the associated diagnostics issued by CICS and TCP/IP for MVS for problem determination. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Destination: CRPO
Module: DFHRPC06
XMEOUT Parameters: date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

DFHRP1761 data time applid tranid The CICS ONC RPC connection manager could not unregister a 4-tuple as it was not registered.

Explanation: The 4-tuple cannot be unregistered as it is not registered.

System Action: Processing continues.

User Response: None.

Destination: CRPO
Module: DFHRPC06
XMEOUT Parameters: date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

DFHRP1762 data time applid tranid Enter the Program Number, Version Number, Procedure Number and Protocol for the 4-tuple to be unregistered.

Explanation: You have not entered all the information needed to identify the 4-tuple to be unregistered.

System Action: Processing continues.

User Response: Enter the required data.

Destination: Terminal End User
Module: DFHRPC06
XMEOUT Parameters: date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

DFHRP1763 data time applid tranid The CICS ONC RPC connection manager cannot display the requested 4-tuple because it is not registered with CICS ONC RPC.

Explanation: The 4-tuple is not displayed.

System Action: Processing continues.

User Response: None.

Destination: CRPO
Module: DFHRPC06
XMEOUT Parameters: date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr
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DFHRP1764 date time applid tranid The CICS ONC RPC
connection manager detected an internal error while processing 4-tuple definitions on the CICS ONC RPC data set, CICS file filename.

Explanation: The connection manager detected an internal error while accessing 4-tuples on the data set.

System Action: A system dump is taken. The connection manager panel is redisplayed. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC0A
XMEOUT Parameters: date, time, applid, tranid, filename

DFHRP1765 date time applid tranid The CICS ONC RPC connection manager found no records in the CICS ONC RPC data set, CICS file filename, when processing a request to access 4-tuple definitions.

Explanation: The connection manager found no records on the data set while processing a request to access 4-tuple definitions. This indicates that the CICS ONC RPC definition record is missing.

System Action: A system dump is taken. The connection manager panel is displayed. No 4-tuples are displayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the reason why there are no records. You must use the connection manager to create a new CICS ONC RPC definition record.

Destination: CRPO
Module: DFHRPC0A
XMEOUT Parameters: date, time, applid, tranid, filename

DFHRP1766 date time applid tranid The CICS ONC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename. EIBRESP: eibresp.

Explanation: The connection manager could not access the CICS ONC RPC data set. The error occurred while processing a request to display 4-tuple definitions from the data set.

System Action: A system dump is taken. An I/O error occurred on the BROWSE or READ command. The file is defined as remote, and there is an error on the connection to the owning system.

User Response: Use Appendix A of the Application Programming Reference manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO
Module: DFHRPC0A
XMEOUT Parameters: date, time, applid, tranid, filename, eibresp

DFHRP1767 date time applid tranid The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file filename. EIBRESP: eibresp.

Explanation: The connection manager cannot access the CICS ONC RPC data set. The error occurred while processing a request to display 4-tuple definitions from the data set.

System Action: A system dump is taken. An I/O error occurred on the BROWSE or READ command. The file is defined as remote, and there is an error on the connection to the owning system.

User Response: Use Appendix A of the Application Programming Reference manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO
Module: DFHRPC0A
XMEOUT Parameters: date, time, applid, tranid, filename, eibresp

DFHRP1768 date time applid tranid The CICS ONC RPC connection manager detected a logic error while accessing the CICS ONC RPC data set, CICS file filename.

Explanation: The connection manager could not access the CICS ONC RPC data set. This is a logic error since the connection manager has received an unexpected response from CICS following an EXEC CICS STARTBR, EXEC CICS READNEXT or EXEC CICS ENDBR command.

System Action: A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem. Without access to the data set, the connection manager cannot process requests to display information from it.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
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DFHRP1769

**Destination:** CRPO

**Module:** DFHRPC0A

**XMEOUT Parameters:** date, time, applid, tranid, filename

**Explanation:** The connection manager has found no records on the CICS ONC RPC data set when processing a request to access 4-tuple definitions.

**User Response:** Investigate the reason why there are no records. You must use the connection manager to create a new CICS ONC RPC definition record.

**System Action:** A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

**Description of Event:** The CICS ONC RPC connection manager found no 4-tuple definitions in the CICS ONC RPC data set, CICS file filename, when processing a request to access 4-tuple information.

**XMEOUT Parameters:**
- **Module:** DFHRPC0A
- **Destination:** CRPO
- **Parameters:** date, time, applid, tranid, filename

DFHRP1770

**Destination:** CRPO

**Module:** DFHRPC0A

**XMEOUT Parameters:** date, time, applid, tranid, filename

**Explanation:** The connection manager has found no 4-tuple definitions in the CICS ONC RPC data set while processing a request to access 4-tuple definitions.

**System Action:** A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Use the connection manager to save 4-tuple definitions in the data set.

**Description of Event:** The CICS ONC RPC connection manager found no 4-tuple definitions in the CICS ONC RPC data set, CICS file filename.

**XMEOUT Parameters:**
- **Module:** DFHRPC0A
- **Destination:** CRPO
- **Parameters:** date, time, applid, tranid, filename

DFHRP1771

**Destination:** CRPO

**Module:** DFHRPC0A

**XMEOUT Parameters:** date, time, applid, tranid, filename

**Explanation:** The connection manager has accessed an internal error while accessing 4-tuple definitions in the CICS ONC RPC data set, CICS file filename.

**System Action:** A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Description of Event:** The CICS ONC RPC connection manager detected an internal error while accessing 4-tuple definitions in the CICS ONC RPC data set, CICS file filename.

**XMEOUT Parameters:**
- **Module:** DFHRPC0A
- **Destination:** CRPO
- **Parameters:** date, time, applid, tranid, filename

DFHRP1772

**Explanation:** A GETMAIN issued by the connection manager returned an error response. The connection manager was trying to free storage used to build a list of 4-tuples defined in the CICS ONC RPC data set.

**System Action:** A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Retry the operation. If the condition persists, contact your system administrator to see if there are problems with CICS storage. If CICS is not short on storage, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Description of Event:** The CICS ONC RPC connection manager detected an error when freeing storage.

**XMEOUT Parameters:**
- **Module:** DFHRPC0A
- **Destination:** CRPO
- **Parameters:** date, time, applid, tranid

DFHRP1773

**Explanation:** A FREEMAIN issued by connection manager returned an error response. The connection manager was trying to free storage used to build a list of 4-tuples defined in the CICS ONC RPC data set.

**System Action:** A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Description of Event:** The CICS ONC RPC connection manager detected an error when freeing storage.

**XMEOUT Parameters:**
- **Module:** DFHRPC0A
- **Destination:** CRPO
- **Parameters:** date, time, applid, tranid

DFHRP1774

**Explanation:** The 4-tuple is not displayed. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

**System Action:** A system dump is taken. Processing continues.

**User Response:** None.

**Description of Event:** The CICS ONC RPC connection manager cannot display the requested 4-tuple because it is not saved to the CICS ONC RPC data set.

**XMEOUT Parameters:**
- **Module:** DFHRPC0A
- **Destination:** CRPO
- **Parameters:** date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol
DFHRP1775  
*date time applid tranid*  
The CICS ONC RPC  
connection manager cannot register 4-tuples because CICS ONC RPC is disabled.

**Explanation:** A request to register a 4-tuple cannot be performed because CICS ONC RPC was not enabled when the request was made.

**System Action:** Processing continues.

**User Response:** Enable CICS ONC RPC.

**Destination:** CRPO

**Module:** DFHRPC0A

**XMEOUT Parameters:** date, time, applid, tranid

DFHRP1800  
*date time applid tranid*  
The CICS ONC RPC  
connection manager has purged an alias task. Task status: status Program: X'prognum'  
Version: X'versnum'  
Procedure: X'procnum' Protocol: protocol  
Host IP address: hostaddr

**Explanation:** The alias for the 4-tuple has been purged by the connection manager.

**System Action:** Status indicates the status of the alias task when the purge request was issued. The following actions are taken:

- **Running** indicates that the alias task was running. The connection manager removes the entry from the alias list. The alias abends with abend code ARPJ and message DFHRP0173 is issued.
- **Scheduled** indicates that the alias task was scheduled to run and may still do so. The connection manager removes the entry from the alias list. The alias abends with abend code ARPJ and messages DFHRP0113 and DFHRP0173 are issued.

**User Response:** None.

**Destination:** CRPO

**Module:** DFHRPC10

**XMEOUT Parameters:** date, time, applid, tranid, status, X'prognum', X'versnum', X'procnum', protocol, hostaddr

DFHRP1801  
*date time applid tranid*  
The CICS ONC RPC  
connection manager has detected an internal error while processing the alias list.

**Explanation:** The connection manager has detected an internal error while processing a request to display or purge entries in the alias list.

**System Action:** A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC10

**XMEOUT Parameters:** date, time, applid, tranid

DFHRP1802  
*date time applid tranid*  
The CICS ONC RPC  
connection manager has detected an internal error while processing the alias list.

**Explanation:** The connection manager has detected an internal error while processing a request to display or purge entries in the alias list.

**System Action:** A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC10

**XMEOUT Parameters:** date, time, applid, tranid

DFHRP1803  
*date time applid tranid*  
The CICS ONC RPC  
connection manager received an error response while attempting to browse the alias list.

**Explanation:** The connection manager attempted to start browsing the alias list, but received a response that indicated a severe error had occurred.

**System Action:** The connection manager panel is redisplayed. No alias tasks are displayed.

**User Response:** You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** CRPO

**Module:** DFHRPC10

**XMEOUT Parameters:** date, time, applid, tranid

DFHRP1804  
*date time applid tranid*  
The CICS ONC RPC  
connection manager could not process the alias list. It could not obtain the required CICS storage.

**Explanation:** A GETMAIN issued by the connection manager when attempting to build the alias list returned an error response.

**System Action:** A system dump is taken. The connection manager panel is redisplayed. No alias tasks are displayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** CICS may be temporarily short on storage. Retry the operation. If the condition persists, contact your system administrator to see if there are problems with CICS storage. If CICS is not short on storage, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRPC10

**XMEOUT Parameters:** date, time, applid, tranid

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DFHRP1805  
date time applid tranid The CICS ONC RPC connection manager has detected an error when freeing storage.

Explanation: A FREEMAIN issued by the connection manager when attempting to free storage used to build the alias list returned an error response.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC10
XMEOUT Parameters: date, time, applid, tranid

DFHRP1806  
date time applid tranid The CICS ONC RPC connection manager received an error response while attempting to retrieve an entry from the alias list.

Explanation: The connection manager tried to retrieve an entry from the alias list, but received a response that indicated a severe error had occurred.

System Action: The connection manager panel is redisplayed.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC10
XMEOUT Parameters: date, time, applid, tranid

DFHRP1807  
date time applid tranid The CICS ONC RPC connection manager received an error response while attempting to complete its browse of the alias list.

Explanation: The connection manager attempted to finish browsing the alias list, but received a response that indicated a severe error had occurred.

System Action: The connection manager panel is redisplayed.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC10
XMEOUT Parameters: date, time, applid, tranid

DFHRP1810  
date time applid tranid The CICS ONC RPC connection manager received an error response while attempting to delete an entry from the alias list.

Explanation: The connection manager tried to delete an entry from the alias list, but received a response that indicated a severe error had occurred.

System Action: The connection manager panel is redisplayed.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC10
XMEOUT Parameters: date, time, applid, tranid

DFHRP1811  
date time applid tranid The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address: hostaddr.

Explanation: An internal error has occurred in the connection manager while accessing an internal table.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC08
XMEOUT Parameters: date, time, applid, tranid, hostaddr

DFHRP1812  
date time applid tranid The CICS ONC RPC connection manager detected an internal error while accessing an internal table.

Explanation: The connection manager detected an error while accessing an internal table.

System Action: A system dump is taken. If the error occurs during CICS ONC RPC enable processing, CICS ONC RPC remains disabled. If the error occurs during the processing of a client request, an svcerr_systemerr call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC08
XMEOUT Parameters: date, time, applid, tranid
<table>
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<tr>
<th>DFHRP1863</th>
<th>date time applid tranid</th>
<th>The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address: hostaddr.</th>
</tr>
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<tbody>
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<td><strong>Explanation:</strong></td>
<td>An internal error has occurred in the connection manager while accessing an internal table.</td>
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<td></td>
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<tr>
<td><strong>User Response:</strong></td>
<td>You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.</td>
<td></td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>CRPO</td>
<td></td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFHRPC08</td>
<td></td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong></td>
<td>date, time, applid, tranid, hostaddr</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DFHRP1866</th>
<th>date time applid tranid</th>
<th>The CICS ONC RPC connection manager detected an internal error while accessing an internal table. Host IP address: hostaddr.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>An internal error has occurred in the connection manager while accessing an internal table.</td>
<td></td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.</td>
<td></td>
</tr>
<tr>
<td><strong>User Response:</strong></td>
<td>You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.</td>
<td></td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>CRPO</td>
<td></td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFHRPC0E</td>
<td></td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong></td>
<td>date, time, applid, tranid, hostaddr</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DFHRP1867</th>
<th>date time applid tranid</th>
<th>The CICS ONC RPC connection manager could not complete the requested operation as an invalid CICS ONC RPC global work address has been detected.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>The connection manager was attempting to access or initialize the list of registered 4-tuples, but detected an invalid global work area address. This may indicate that CICS ONC RPC is disabled.</td>
<td></td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>A system dump is taken. The requested operation is not completed. Message DFHME0116 is normally produced containing the symptom string for this problem.</td>
<td></td>
</tr>
<tr>
<td><strong>User Response:</strong></td>
<td>Retry the operation when CICS ONC RPC is enabled. If this occurred during enable processing, check that another connection manager transaction has not disabled CICS ONC RPC.</td>
<td></td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>CRPO</td>
<td></td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFHRPC08</td>
<td></td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong></td>
<td>date, time, applid, tranid</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DFHRP1868</th>
<th>date time applid tranid</th>
<th>The CICS ONC RPC connection manager could not complete the requested operation. It could not obtain the required CICS storage. Host IP address: hostaddr.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong></td>
<td>A GETMAIN issued by connection manager when attempting to build a list of registered 4-tuples returned an error response.</td>
<td></td>
</tr>
<tr>
<td><strong>System Action:</strong></td>
<td>A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.</td>
<td></td>
</tr>
<tr>
<td><strong>User Response:</strong></td>
<td>CICS may be temporarily short on storage. Retry the operation. If the condition persists, contact your system administrator to see if there are problems with CICS storage. If CICS is not short on storage, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.</td>
<td></td>
</tr>
<tr>
<td><strong>Destination:</strong></td>
<td>CRPO</td>
<td></td>
</tr>
<tr>
<td><strong>Module:</strong></td>
<td>DFHRPC08</td>
<td></td>
</tr>
<tr>
<td><strong>XMEOUT Parameters:</strong></td>
<td>date, time, applid, tranid, hostaddr</td>
<td></td>
</tr>
</tbody>
</table>
The CICS ONC RPC connection manager detected an error when freeing storage. Host IP address: hostaddr.

Explanation: A FREEMAIN issued by connection manager when attempting to free storage used to build a list of registered 4-tuples returned an error response.

System Action: Processing continues.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC08
XMEOUT Parameters: date, time, applid, tranid, hostaddr

The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address: hostaddr.

Explanation: An internal error has occurred in the connection manager while accessing an internal table. Host IP address: hostaddr.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
Module: DFHRPC08
XMEOUT Parameters: date, time, applid, tranid, hostaddr

The CICS ONC RPC connection manager could not find the global work area.

Explanation: The connection manager could not find the global work area. The task related user exit DFHRPTRU has been wrongly defined.

System Action: A system dump is taken. CICS ONC RPC remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that all the CEDA groups for CICS ONC RPC have been installed correctly, then try to enable CICS ONC RPC again.

Investigate whether the operator has disabled DFHRPTRU for any reason.

Destination: CRPO
Module: DFHRPC08
XMEOUT Parameters: date, time, applid, tranid

The CICS ONC RPC connection manager could not find the task-related user exit, program DFHRPTRU.

Explanation: The connection manager cannot find the task-related user exit, DFHRPTRU, for one of the following reasons:
- DFHRPTRU has not been defined to CICS
- DFHRPTRU is not in the CICS load library
- DFHRPTRU has been disabled

System Action: A system dump is taken. CICS ONC RPC remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that all the CEDA groups for CICS ONC RPC have been installed correctly, then try the enable request again.

Destination: CRPO
Module: DFHRPC08
XMEOUT Parameters: date, time, applid, tranid

The CICS ONC RPC connection manager does not have sufficient authority to issue the EXEC CICS EXTRACT EXIT command. EIBRESP2: eibresp2.

Explanation: The connection manager does not have the correct authority to issue the privileged EXEC CICS EXTRACT EXIT command. It cannot function without this authority.

System Action: A system dump is taken. The connection manager abends with abend code ARPZ. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the EIBRESP2 value to identify the problem. Ensure that the connection manager and its associated program DFHRPC00 have the necessary level of security to issue the EXEC CICS EXTRACT EXIT command for the CICS ONC RPC task related user exit DFHRPTRU.

Destination: CRPO
Module: DFHRPC08
XMEOUT Parameters: date, time, applid, tranid, eibresp2

The CICS ONC RPC connection manager has received an unexpected response from CICS.

Explanation: The connection manager received an unexpected response from CICS to an EXEC CICS command. This is a logic error.

System Action: A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CRPO
Module: DFHRPC08
XMEOUT Parameters: date, time, applid, tranid
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DFHRP1906 date time applid tranid The CICS ONC RPC connection manager found an error in the length of the CICS ONC RPC global work area.

Explanation: The connection manager found that the length of its global work area is not correct.

System Action: A system dump is taken. CICS ONC RPC is disabled. It is not possible to enable CICS ONC RPC until DFHRPTRU has been correctly defined to CICS. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that DFHRPTRU has not been enabled by an operator command.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: date, time, applid, tranid

DFHRP1907 date time applid tranid The CICS ONC RPC connection manager found invalid data in the global work area.

Explanation: The connection manager found invalid data in the global work area. This is probably caused by a storage overwrite.

System Action: A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the reason for the storage overwrite.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: date, time, applid, tranid

DFHRP1910 date time applid tranid The CICS ONC RPC connection manager detected a logic error.

Explanation: The connection manager has received an unexpected response from CICS following an EXEC CICS command.

System Action: A system dump is taken. Registration of the 4-tuple currently being processed is not possible. The 4-tuple is not registered. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: date, time, applid, tranid, xdrname, eibresp, eibresp2, x'prognum', x'versnum', protocol, hostaddr

DFHRP1915 date time applid tranid The CICS ONC RPC connection manager could not load the requested XDR program xdrname. EIBRESP: eibresp EIBRESP2: eibresp2 Program: x'prognum' Version: x'versnum' Procedure: x'prognum' Protocol: protocol. Host IP address: hostaddr

Explanation: The connection manager used EXEC CICS LOAD for the CICS program xdrname, which has been requested as the XDR routine for the 4-tuple being processed, but received an error response.

System Action: The 4-tuple is not registered.

User Response: Use the values provided in EIBRESP and EIBRESP2 to identify the reason for the error in the LOAD.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: date, time, applid, tranid, xdrname, eibresp, eibresp2, x'prognum', x'versnum', x'prognum', protocol, hostaddr

DFHRP1916 date time applid tranid The CICS ONC RPC connection manager could not load the requested XDR program xdrname. EIBRESP: eibresp EIBRESP2: eibresp2 Program: x'prognum' Version: x'versnum' Procedure: x'prognum' Protocol: protocol. Host IP address: hostaddr

Explanation: The connection manager used EXEC CICS LOAD for the CICS program xdrname, which has been requested as the XDR routine for the 4-tuple being processed, but received an error response.

System Action: The 4-tuple is not registered.

User Response: Use the values provided in EIBRESP and EIBRESP2 to identify the reason for the error in the LOAD.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: date, time, applid, tranid, xdrname, eibresp, eibresp2, x'prognum', x'versnum', x'prognum', protocol, hostaddr

DFHRP1953 date time applid tranid The CICS ONC RPC connection manager detected a logic error when loading XDR routine xdrname. EIBRESP: eibresp EIBRESP2: eibresp2 Program: x'prognum' Version: x'versnum' Procedure: x'prognum' Protocol: protocol. Host IP address: hostaddr

Explanation: The connection manager used EXEC CICS LOAD for the CICS program xdrname, which has been requested as the XDR routine for the 4-tuple being processed, but it received an unexpected response.

System Action: A system dump is taken. The 4-tuple is not registered. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO
### DFHRP1954

**Explanation:** The connection manager has received an unexpected response from CICS following an EXEC CICS command.

**System Action:** A system dump is taken. The connection manager abends with code ARPV. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHRP0CE

**XMEOUT Parameters:** date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

### DFHRP1955

**Explanation:** The connection manager could not add an XDR routine name to an internal table.

**System Action:** The 4-tuple is not registered.

**User Response:** Try to register the 4-tuple again if the condition persists, you need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CRPO

**Module:** DFHRP0CE

**XMEOUT Parameters:** date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

### DFHRP1956

**Explanation:** The connection manager is unable to complete the current register operation because CICS ONC RPC is in disable processing.

**System Action:** The 4-tuple is not registered.

**User Response:** Once CICS ONC RPC has completed disable processing, enable it again using the connection manager, and try the register operation again.

**Destination:** CRPO

**Module:** DFHRP0CE

**XMEOUT Parameters:** date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

### DFHRP1957

**Explanation:** The connection manager is unable to complete the current register operation because CICS ONC RPC is not currently enabled. It may have been disabled by another connection manager transaction.

**System Action:** The 4-tuple is not registered.

**User Response:** Use the connection manager to enable CICS ONC RPC, and try the register operation again.

**Destination:** CRPO

**Module:** DFHRP0CE

**XMEOUT Parameters:** date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

### DFHRP1958

**Explanation:** The connection manager continues, but the 4-tuple is not registered.

**User Response:** This may be a temporary condition, so try the register again. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. If the condition persists, see the CICS External Interfaces Guide for further guidance on how to proceed.

**Destination:** CRPO

**Module:** DFHRP0CE

**XMEOUT Parameters:** date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

### DFHRP1959

**Explanation:** The connection manager is unable to complete the current register operation because an error was returned by TCP/IP for MVS.

**System Action:** The connection manager continues, but the 4-tuple is not registered.

**User Response:** See the associated diagnostics issued by CICS and TCP/IP for MVS for problem determination. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

**Destination:** CRPO

**Module:** DFHRP0CE
XMEOUT Parameters: date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr


Explanation: The connection manager is unable to complete the current register operation because an error was returned by TCP/IP for MVS. This may be on an svcsudp_create or svctcp_create operation.

System Action: The connection manager continues, but the 4-tuple is not registered.

User Response: See the associated diagnostics issued by CICS and TCP/IP for MVS for problem determination. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Destination: CRPO
Module: DFHRPC0E
XMEOUT Parameters: date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

DFHRP1961 date time applid tranid Data entered in field fieldname1 is incompatible with data entered in field fieldname2.

Explanation: Data was entered on a connection manager panel in fieldname1 that is incompatible with data entered in fieldname2.

System Action: The connection manager panel is redisplayed and the field in error is highlighted.

User Response: Enter compatible data in the fields indicated.

Destination: Terminal End User
Modules: DFHRPC0D, DFHRPC05

DFHRP1962 date time applid tranid Enter the Program Number, Version Number, Procedure Number and Protocol for the 4-tuple to be displayed.

Explanation: To retrieve information about a 4-tuple in the CICS ONC RPC data set you must supply the program number, version number, procedure number, and protocol.

System Action: None.

User Response: Enter the required data.

Destination: Terminal End User
Modules: DFHRPC0D, DFHRPC03

DFHRP1963 date time applid tranid Enter the following fields before register or save to data set: Program Number, Version Number, Procedure Number, XDR Routines, and Program Name.

Explanation: The following fields are required before registration or saving of the 4-tuple: the Program Number, Version Number, Procedure Number, Inbound XDR Routine, Outbound XDR Routine (if RPC Call Type of blocking), and Program Name.

System Action: The connection manager panel is redisplayed.

User Response: Enter valid data in the field(s) indicated.
on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO  
**Module:** DFHRPC0E  
**XMEOUT Parameters:** date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

**DFHRP1968 date time applid tranid The CICS ONC RPC connection manager has not performed a register operation because it detected an invalid global work area. Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol. Host IP address: hostaddr.**

**Explanation:** The connection manager is unable to complete the current register operation because it has detected an invalid global work area address. CICS ONC RPC may have been disabled by another connection manager transaction.

**System Action:** The connection manager continues, but the 4-tuple is not registered.

**User Response:** Use the connection manager to enable CICS ONC RPC, and try the register operation again. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

**Destination:** CRPO  
**Module:** DFHRPC0E  
**XMEOUT Parameters:** date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr


**Explanation:** The connection manager is unable to complete the current register operation because it has detected an error during the Getlengths function.

**System Action:** The connection manager continues, but the 4-tuple is not registered.

**User Response:** Use CICS diagnostics to correct the converter.

**Destination:** CRPO  
**Module:** DFHRPC0E  
**XMEOUT Parameters:** date, time, applid, tranid, programname, X'prognum', X'versnum', X'procnum', protocol, hostaddr

**DFHRP1970 date time applid tranid The CICS ONC RPC connection manager has registered the 4-tuple. Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol. Host IP address: hostaddr.**

**Explanation:** The 4-tuple has been registered.

**System Action:** None.

**User Response:** None.

**Destination:** CRPO  
**Module:** DFHRPC0E  
**XMEOUT Parameters:** date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

**DFHRP1980 date time applid tranid The CICS ONC RPC connection manager cannot register the 4-tuple because it has already been registered. Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol. Host IP address: hostaddr.**

**Explanation:** The 4-tuple has already been registered.

**System Action:** The 4-tuple is not registered.

**User Response:** Enter a new 4-tuple for registration.

**Destination:** CRPO  
**Module:** DFHRPC0E  
**XMEOUT Parameters:** date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

**DFHRP1981 date time applid tranid The CICS ONC RPC connection manager detected an internal error while registering a 4-tuple. Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol. Host IP address: hostaddr.**

**Explanation:** The connection manager has detected an internal error while registering the 4-tuple.

**System Action:** The 4-tuple is not registered.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CRPO  
**Module:** DFHRPC0E  
**XMEOUT Parameters:** date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

**DFHRP1982 date time applid tranid The CICS ONC RPC connection manager detected an internal error detected while registering a 4-tuple. Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol. Host IP address: hostaddr.**

**Explanation:** The connection manager has detected an internal error while registering the 4-tuple.

**System Action:** Processing continues.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CRPO  
**Module:** DFHRPC0E  
**XMEOUT Parameters:** date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr

**DFHRP1983 date time applid tranid The CICS ONC RPC connection manager detected an error while linking to the converter program_name. EIBRESP: eibresp EIBRESP2: resp2val Program: X'prognum' Version: X'versnum' Procedure: X'procnum' Protocol: protocol. Host IP address: hostaddr.**

**Explanation:** The connection manager used EXEC CICS LINK for the converter to perform Getlengths processing for the 4-tuple. The response was PGMDERR.
Chapter 1. DFH messages

System Action: The 4-tuple is not registered.
User Response: Use the EIBRESP2 value to identify the problem.
Destination: CRPO
Module: DFHRPC0E
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, eibresp, resp2val, X'prognum', X'versnum', X'procnum', protocol, hostaddr

DFHRP1984 date time applid tranid The CICS ONC RPC connection manager cannot link to converter converter_program_name because it is remote.
Explanation: The connection manager used EXEC CICS LINK for the converter to perform Getlengths processing, but the response was TERMERR or SYSIDERR. The connection manager passes pointers to the converter, so the converter must be in the same CICS region as CICS ONC RPC.
System Action: The 4-tuple is not registered.
User Response: Install and define the converter program in the same CICS region as CICS ONC RPC.
Destination: CRPO
Module: DFHRPC0E
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, eibresp, resp2val, X'prognum', X'versnum', X'procnum', protocol, hostaddr

Explanation: The connection manager used EXEC CICS LINK for the converter to perform Getlengths processing, but received an unexpected response.
System Action: The 4-tuple is not registered.
User Response: See the associated diagnostics issued by CICS for problem determination.
Destination: CRPO
Module: DFHRPC0E
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, eibresp, resp2val, X'prognum', X'versnum', X'procnum', protocol, hostaddr

Explanation: The connection manager used EXEC CICS LINK for the converter to perform Getlengths processing, but received a NOTAUTH response.
System Action: The 4-tuple is not registered.
User Response: When CICS ONC RPC is next disabled, redefine connection manager with RESSEC=YES.
Destination: CRPO
Module: DFHRPC0E
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, eibresp, resp2val, X'prognum', X'versnum', X'procnum', protocol, hostaddr

Explanation: Getlengths returned URP_EXCEPTION.
System Action: The Getlengths parameter area is traced. The 4-tuple is not registered.
User Response: Use the trace information to correct the converter.
Destination: CRPO
Module: DFHRPC0E
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, X'prognum', X'versnum', X'procnum', protocol, hostaddr

Explanation: Getlengths returned URP_INVALID.
System Action: The Getlengths parameter area is traced. The 4-tuple is not registered.
User Response: Use the trace information to correct the converter.
Destination: CRPO
Module: DFHRPC0E
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, X'prognum', X'versnum', X'procnum', protocol, hostaddr

Explanation: Getlengths returned URP_DISASTER.
System Action: The Getlengths parameter area is traced. The 4-tuple is not registered.
User Response: Use the trace information to correct the converter.
Destination: CRPO
Module: DFHRPC0E
XMEOUT Parameters: date, time, applid, tranid, converter_program_name, X'prognum', X'versnum', X'procnum', protocol, hostaddr
DFHRP1991

**Explanation:** The communication area length calculated from the glength_server_data_format, glength_server_input_data_len, and glength_server_output_data_len parameters exceeds 32767.

**System Action:** The Getlengths parameter area is traced. The 4-tuple is not registered.

**User Response:** Use the trace information to correct the converter.

**Destination:** CRPO

**Module:** DFHRPAL

**XMEOUT Parameters:** date, time, applid, tranid

DFHRP1992

**Explanation:** The glength_server_data_format returned must have a value of URP_CONTIGUOUS or URP_OVERLAI D.

**System Action:** The Getlengths parameter area is traced. The 4-tuple is not registered.

**User Response:** The glength_server_data_format must be set to URP_CONTIGUOUS or URP_OVERLAI D, or left unaltered, in which case the value specified on panel DFHRP5 when the 4-tuple was registered will be used.

**Destination:** CRPO

**Module:** DFHRCDE

**XMEOUT Parameters:** date, time, applid, tranid, converter_program_name, X'prognum', X'versnum', X'procnum', protocol, hostaddr

DFHRP2000

**Explanation:** Only one task can browse the alias list at a time. This is enforced by use of an ENQ in the connection manager. However, the alias list component has been called to start a browse and has found that there is already a browse active. This is due either to a logic error in CICS ONC RPC code, or to a storage overwrite.

**System Action:** A system dump is taken. The browse request is rejected. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** If the problem is due to a storage overwrite, it is almost certain that there are errors in other CICS functions for no apparent reason. If this is not the case, you may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

**Destination:** CRPO

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, tranid

**DFHRSxxxx messages**

DFHRS2110

**Explanation:** An abnormal reply has been received in response to an exchange log name request sent either following a session failure or at first session initiation after system restart. The abnormal reply may indicate that:

- The remote system detected a warm or cold mismatch, or a log name mismatch.
- The remote system failed to interpret the exchange log name data sent to it.

**System Action:** For APPC protocol, any synclevel 2 attaches are inhibited. This prevents recoverable activity between the two systems.

For IRC protocol, the message indicates that resynchronization was attempted and failed.

**User Response:** The most likely cause of the message is an initial start (as opposed to emergency restart or its equivalent) of this system when the remote system has resynchronization work outstanding. If it is a cold or warm mismatch or log name mismatch, other diagnostic messages on the local system may indicate the reason for the error. If it is not, examine the log of the remote system which should have generated diagnostic information describing the reason for the abnormal response.

For APPC protocol where a logname mismatch is suspected, override the error situation by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:** If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

For IRC, the message may indicate an initial start of one system when the other has resynchronization outstanding: the resynchronization was started before the initial start occurred and becomes invalid. The associated unit of work may need to be committed by using CEMT SET UOW. The message should not recur.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sysid, netname, protocol
DFHRS2111  

**date time applid Cold/Warm restart mismatch with system sysid, netname netname, protocol protocol.**

**Explanation:** A cold start indication was received from the remote system during an exchange log names sequence. However, this system has units of work that need resynchronizing from the previous run. An exchange log names sequence is started either following a session failure or at first session initiation after system restart; both the local and remote systems may initiate the sequence at the same time.

**System Action:** Any synclevel 2 attaches are inhibited. This means that recovery activity between the two systems is prevented.

**User Response:** Override the error by issuing CEMT SET CONN(sysid) NOTPENDING commands for the failing connection.

**Note:** If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization with the remote system.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sysid, netname, protocol

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DFHRS2112  

**date time applid Log name mismatch with system sysid, netname netname, protocol protocol.  Expected LUNAME.LOGNAME local_logname Received LUNAME.LOGNAME remote_logname .**

**Explanation:** A failure has occurred in the exchange log names process which is carried out either following a session failure or at first session initiation after system restart. This system’s memory of the remote system’s log name conflicts with the log name sent by the remote system.

**System Action:** For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented. For IRC protocol, resynchronization was attempted and failed.

**User Response:** For APPC, override the error by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:** If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization activity with the remote system. The message may indicate a logic error in CICS or the remote system, and you may need assistance from IBM to prevent a recurrence. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sysid, netname, protocol, local_logname, remote_logname

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DFHRS2113  

**date time applid Log name mismatch with system sysid, netname netname, protocol protocol, local LOGNAME local_logname , received LOGNAME remote_logname .**

**Explanation:** This message is issued when a failure has occurred in the exchange log names process which is carried out prior to resynchronization following an earlier session failure. System sysid has sent an exchange log names request which contains the remote system’s memory (remote_logname) of this system’s log name (local_logname).

This system has detected a log name mismatch. This indicates that system sysid and this system do not have the correct logs for resynchronization.

**System Action:** For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed.

**User Response:** For APPC, override the error by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:** If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization activity with the remote system. The message may indicate a logic error in CICS or the remote system, and you may need assistance from IBM to prevent a recurrence. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sysid, netname, protocol, local_logname, remote_logname

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DFHRS2114  

**date time applid Abnormal termination of exchange log names sequence received from system sysid, netname netname, protocol protocol.**

**Explanation:** This message is issued when an FMH7 has been received in response to an exchange log name reply. An exchange log names sequence is sent either following a session failure or at first session initiation after system restart. The remote system started the sequence, and the FMH7 reply indicates that the remote system failed to interpret the exchange log name reply data sent to it.

**System Action:** For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

**User Response:** Investigate the cause of the error using the system dump. Format the control blocks for the trace domain and the terminal control program. (For guidance on how to do this, see the CICS Problem Determination Guide.)

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sysid, netname, protocol, local_logname, remote_logname
Determine from the message which session was being used for this exchange log names conversation.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. For IRC, the TIOA contains the equivalent data. Check the data against the format of the exchange log names reply GDS variable. The correct format of this SNA defined field can be found in the SNA Formats manual.

Examine the log of the remote system. If a protocol violation was detected, the remote system may have generated diagnostic information itself which may help to diagnose the cause.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: date, time, applid, sysid, netname, protocol

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DFHRS2115 date time applid protocol protocol support mismatch with system sysid, netname netname. Expected support byte X'ww', received support byte X'xx', expected extended support bytes X'yyyy', received extended support bytes X'zzzz'.

Explanation: This system's memory of the protocols previously negotiated with the remote system conflicts with the indicators sent in an exchange log names variable.

System Action: For APPC protocol, any synclen 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocols, resynchronization fails. Communications continue normally.

User Response: For APPC protocols, the indicators expected from a CICS Transaction Server system are: basic support, X'70'; extended support, X'C000'. For CICS/ESA 4.1 the expected indicators are: basic support, X'40'; extended support, X'0000'. If this combination of the four indicator fields appears in the message, first check that you have Initial started the partner system at the CICS Transaction Server level during a migration from CICS/ESA 4.1, or Cold started a CICS/ESA 4.1 system after running CICS Transaction Server. If this possibility can be ruled out, the message may indicate a logic error in CICS or in the remote system and you may need assistance from IBM to prevent a recurrence. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

You can override the error situation by issuing CEMT SET CONN(sysid) NOTPENDING command against the connection entry for this system.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization activity with the remote system.

For IRC protocols, you may need to use the CEMT SET UOW command to resolve the state of any units or work which cannot be resolved by the normal resynchronization process.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: date, time, applid, protocol, sysid, netname, X'ww', X'xx', X'yyyy', X'zzzz'

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DFHRS2116 date time applid Abnormal termination of exchange log names sequence received from system sysid, netname netname, protocol protocol. The connection was in a cold state.

Explanation: An FMH7 has been received in response to an exchange log names reply. An exchange log names sequence is sent either following a session failure or at first session initiation after system startup. This system was either started with the SIT parameter START=INITIAL or CEMT SET CONN(sysid) NORECOVDATA has been issued, both of which reset the state of the connection. This means that no log name is stored for the remote system.

For APPC protocols, the FMH7 reply may indicate one of two causes:

- The remote system has resynchronization work outstanding following a previous failure of a conversation during sync point processing and has detected a cold/warm mismatch.
- The remote system failed to interpret the exchange log names reply data sent to it.

For IRC protocol, the problem is caused by the failure of the remote system to interpret the exchange log names reply data.

System Action: For APPC protocol, any synclen 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

User Response: The most likely cause of the message is an initial start (as opposed to emergency restart or its equivalent) of this system when the other has resynchronization work outstanding. This can be confirmed by examining the message log of the remote system.

For APPC protocol, the connection on the remote system may need to be reset by issuing the CEMT SET CONN(sysid) NOTPENDING command against the connection entry for this system.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization.

For IRC protocol, a protocol violation or logic error is the only possible cause.

If a cold/warm mismatch is eliminated as the cause of the error, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: date, time, applid, sysid, netname, protocol

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DFHRS2117 date time applid Abnormal reply to exchange log names received from system sysid, netname netname, protocol protocol. The connection on this system was in a cold state.

Explanation: This message is issued when an abnormal reply has been received in response to an exchange log name request. An exchange log names sequence is sent either following a session failure or at first session initiation after system startup. This system was either started with the SIT parameter START=INITIAL, or CEMT SET CONN(sysid) NORECOVDATA has been issued, and no log name is stored for the remote system. The abnormal reply may indicate one of two causes in the case of APPC protocol.
Chapter 1. DFH messages

For IRC protocol, the message indicates that resynchronization was prevented. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

System Action: For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

User Response: For APPC protocol, the problem may need to be reset by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. The system dump taken by local system can be used to investigate the possibility of an error in the exchange log names reply GDS.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

System Action: For IRC protocol, the problem may need to be reset by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. The system dump taken by local system can be used to investigate the possibility of an error in the exchange log names reply GDS.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

System Action: For IRC protocol, the message indicates that resynchronization was prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

User Response: For APPC protocol, the connection may need to be reset by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. The system dump taken by local system can be used to investigate the possibility of an error in the exchange log names reply GDS.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

System Action: For IRC protocol, the problem may need to be reset by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. The system dump taken by local system can be used to investigate the possibility of an error in the exchange log names reply GDS.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

System Action: For IRC protocol, the message indicates that resynchronization was prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

User Response: For APPC protocol, the connection may need to be reset by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. The system dump taken by local system can be used to investigate the possibility of an error in the exchange log names reply GDS.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

System Action: For IRC protocol, the problem may need to be reset by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. The system dump taken by local system can be used to investigate the possibility of an error in the exchange log names reply GDS.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

System Action: For IRC protocol, the message indicates that resynchronization was prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

User Response: For APPC protocol, the connection may need to be reset by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. The system dump taken by local system can be used to investigate the possibility of an error in the exchange log names reply GDS.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

System Action: For IRC protocol, the problem may need to be reset by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. The system dump taken by local system can be used to investigate the possibility of an error in the exchange log names reply GDS.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

System Action: For IRC protocol, the message indicates that resynchronization was prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

User Response: For APPC protocol, the connection may need to be reset by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. The system dump taken by local system can be used to investigate the possibility of an error in the exchange log names reply GDS.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.
DFHRS2135

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the CICS Problem Determination Guide.)

Determine from the message which session was being used for this exchange log names conversation.

If the internal trace table is available, use it to track the commands issued against that session and check that the state transitions of the User state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRSSY

**XMEOUT Parameters:** date, time, applid, sessid, sysid, netname, protocol

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DFHRS2135 *date time applid* An error has occurred while sending a compare states request on session *sessid* to remote system *sysid, netname, protocol*.

**Explanation:** An error has occurred during the transmission of a compare states request to a remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- The remote system has detected a protocol violation in the local system's exchange log names GDS variable.
- Some other error in communications has occurred.

**System Action:** For APPC protocol connections (but not IRC protocol), the failure may have prevented the completion of the exchange log names protocol and this prevents any synclevel 2 attaches between the local system and the remote system.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** For APPC protocol, investigate the state of the connection. Issue CEMT INQUIRE CONN(sysid) and look at the XOK field. If exchange log names has not been done, the exchange log names process can be retried by issuing the CEMT SET CONN(sysid) RESYNC command. If there has been previous successful contact between the systems the connection can be reset to its original state and retried. The state can be reset by issuing CEMT SET CONN(sysid) NORECOVADATA. It may be necessary to issue this command on both sides of the connection.

**Note:** If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. Use the system dump taken by the local system to investigate the possibility of an error in the GDS variables.

Format the control blocks for the trace domain and the terminal control program. (For guidance on how to do this, see the CICS Problem Determination Guide.)

Determine from the message which session was being used for this exchange log names conversation.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. For IRC, the TIOA contains the equivalent data. Check that the data against the format of the exchange log names and compare states GDS variables. The correct format of this SNA defined field can be found in the SNA Formats manual.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRSSY

**XMEOUT Parameters:** date, time, applid, sessid, sysid, netname, protocol

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DFHRS2136 *date time applid* An error has occurred while receiving an exchange log names reply on session *sessid* from remote system *sysid, netname netname, protocol*.

**Explanation:** An error has occurred during an attempt to receive exchange log names reply data from a remote system. CICS was attempting to initialize the connection, or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

The message means that:

- The remote system has detected a protocol violation in the local system's exchange log names GDS variable or compare states GDS variable and sent an FMH7 to indicate the error.
- Some other error in communication has occurred in either the local or the remote system.

**System Action:** For APPC protocol the failure of exchange log names may mean that any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** For APPC protocol, investigate the state of the connection. Issue CEMT INQUIRE CONN(sysid) and look at the XOK field. If exchange log names has not been done, the exchange log names process can be retried by issuing the CEMT SET CONN(sysid) RESYNC command. If there has been previous successful contact between the systems the connection may be reset to its original state and retried. The state can be reset by issuing CEMT SET CONN(sysid) NORECOVDATA. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:** If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. Use the system dump taken by the local system to investigate the possibility of an error in the GDS variables.

Format the control blocks for the trace domain and the terminal control program. (For guidance on how to do this, see the CICS Problem Determination Guide.)

Determine from the message which session was being used for this exchange log names conversation.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. For IRC, the TIOA contains the equivalent data. Check that the data against the format of the
exchange log names and compare states GDS variables. The correct format of this SNA defined field can be found in the SNA Formats manual.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sessid, sysid, netname, protocol

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**DFHRS2137 date time applid An error has occurred while receiving a compare states reply on session sessid from remote system sysid, netname netname, protocol protocol.**

**Explanation:** An error has occurred during the receipt of a compare states reply from a remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- The remote system has detected a protocol violation in the local system’s compare states GDS variable.
- There has been an internal error in CICS APPC processing.

**System Action:** A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

CICS continues to operate normally and the resynchronization attempt is retried at the next opportunity.

**User Response:** Investigate the cause of the error first by examining the log of the remote system which may have produced diagnostic information about the data it received. The problem can be investigated locally using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain and the terminal control program. (For guidance on how to do this, see the CICS Problem Determination Guide.)

Determine from the message which session was being used for this resynchronization conversation.

If the internal trace table is available, use this to track the commands issued against that session and check that the state transitions of the user state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. Similar information is contained in the TIOA for IRC sessions. Locate the data for the session in question, and check that the contents of the buffer are correct. The buffer contains the compare states GDS variable. The correct format of this SNA defined data can be found in the SNA Formats manual.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sessid, sysid, netname, protocol

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**DFHRS2138 date time applid Invalid exchange log names reply data has been received on session sessid from remote system sysid, netname netname, protocol protocol.**

**Explanation:** The local system has received data which it attempted to parse using the exchange log names reply GDS format. Either the data could not be parsed, or invalid data was detected.

This system was attempting to initialize the connection for synclevel 2 work, or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. Exchange log names was sent and an invalid reply received.

This failure implies an error in the remote system or a CICS logic error.

**System Action:** If resynchronization was being attempted it has failed and is retried at the next opportunity.

For APPC protocol connections (but not IRC protocol) the failure prevents the completion of the exchange log names protocol and this may prevent any synclevel 2 attaches between the local system and the remote system.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** For APPC protocol, investigate the state of the connection. Issue CEMT INQUIRE CONN(sysid) and look at the XOK field. If exchange log names has not been done, the exchange log names process can be retried by issuing the CEMT SET CONN(sysid) RESYNC command. If there has been previous successful contact between the systems the connection may be reset to its original state and retried. The state can be reset by issuing CEMT SET CONN(sysid) NORECOVDATA. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:** If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the CICS Problem Determination Guide.)

An exception trace entry contains the received data, and the reason for the failure is interpreted. Check the format of the exchange log names reply GDS variable. The correct format of this SNA defined field can be found in the SNA Formats manual.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sessid, sysid, netname, protocol
DFHRS2139  

date time applid Invalid compare states reply data has been received on session sessid from remote system sysid, netname netname, protocol protocol.

Explanation: The local system has received data which it attempted to parse using the compare states reply GDS format. Either the data could not be parsed or invalid data was detected.

The local system was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. Data from the remote system received in reply to the compare states was invalid.

This failure implies an error in the remote system or a CICS logic error.

System Action: A system dump is taken, unless you have specifically suppressed dumps in the dump table. Message DFHME0116 is normally produced containing the symptom string for this problem.

The failure prevents the completion of the resynchronization of distributed resources.

User Response: Investigate any units of work for which resynchronization is outstanding using the CEMT INQUIRE UOWLINK SYSID(sysid) command. Use the same command on the remote system to determine whether to commit or backout the unit of work. Alternatively, for APPC connections, resynchronization can be overridden by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for resynchronization. Also, CICS does not carry out any resynchronization activity with the remote system.

Investigate the cause of the error using the system dump. Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the CICS Problem Determination Guide.)

An exception trace entry contains the received data, and the reason for the failure is interpreted. Check the format of the compare states reply GDS variable. The correct format of this SNA defined field can be found in the SNA Formats manual.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: date, time, applid, sysid, netname, protocol, sessid

DFHRS2140  

date time applid A protocol violation has occurred while resynchronizing with remote system sysid, netname netname, protocol protocol, via session sessid. The resynchronization was initiated by the local system.

Explanation: The local system has detected a protocol violation while resynchronizing with the remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. The resynchronization was initiated by the local system.

This implies one of the following:

- An error was detected by the remote system and the resynchronization sequence was abnormally terminated.
- A logic error exists in the remote system which caused it to send invalid data.
- A CICS logic error.

System Action: CICS continues to operate normally and the resynchronization attempt is retried at the next opportunity. A system dump is taken unless you have specifically suppressed dumps in the dump table. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Diagnostics may have been output by the local CICS system, the access methods, or the operating system. Also, investigate the cause of the error in the remote system. It may have produced diagnostic messages indicating why the resynchronization sequence was terminated.

The resynchronization sequence can be analyzed locally by formatting the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the CICS Problem Determination Guide.)

Determine from the message which session was being used for this resynchronization conversation.

The trace entries for the DFHCRRSY program show the state of the conversation which was being used and the data received. At the point of failure a confirmation was expected from the remote system as the final flow in the sequence but was not received.

Compare the resynchronization flows with those documented in the SNA LU6.2 Reference: Peer Protocols manual, (SC30-6808). A possible cause of this error is that the remote system did not observe the correct protocols. Investigation at the remote system may be necessary.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: date, time, applid, sysid, netname, protocol, sessid
produced diagnostic messages indicating why the resynchronization sequence was terminated.

The resynchronization sequence can be analyzed locally by formatting the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the CICS Problem Determination Guide.)

Determine from the message which session was being used for this resynchronization conversation.

The trace entries for the DFHCRRSY program show the state of the conversation which was being used and the data received. At the point of failure a request confirmation message was expected from the remote system as the third flow in the sequence but was not received.

Compare the resynchronization flows with those documented in the SNA LU6.2 Reference: Peer Protocols manual, (SC30-6808). A possible cause of this error is that the remote system did not observe the correct protocols; investigation at the remote system may be necessary.

Destination: Console and Transient Data Queue CSMT
Module: DFHCRRSY

XMEOUT Parameters: date, time, applid, sysid, netname, protocol, sessid

DFHRS2142 date time applid Compare states request data could not be received on session sessid from remote system sysid, netname netname, protocol protocol.

Explanation: The local system has received an exchange log names request from the remote system but failed while attempting to receive subsequent data which was assumed to be a compare states GDS variable. The remote system was probably attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- An error in the remote system
- A session failure during the resynchronization
- A CICS logic error.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

The resynchronization attempt should be retried at the next opportunity by the remote system. However, for APPC protocol connections, the failure may have resulted in exchange log names flows being unsuccessful and this prevents any synclevel 2 attaches between the local system and the remote system.

User Response: Issue CEMT QUERY CONN(sysid) and look at the XOK field. If exchange log names has not been done, the error situation may be correctable by issuing CEMT SET CONN(sysid) RESYNC. If this fails to cure the problem, resynchronization can be canceled for an APPC connection by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for resynchronization. In addition, CICS does not carry out any resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the CICS Problem Determination Guide.)

Locate the exception trace entries for the DFHCRRSY program and examine any data sent by the remote system. Also examine the state of the conversation at the point of failure. It should have been in receive state.

A possible cause is that the remote system did not send valid data or failed to follow the protocol for compare states. Compare the resynchronization flows with those documented in the SNA LU6.2 Reference: Peer Protocols manual, (SC30-6808). Investigation at the remote system may be necessary.

Destination: Console and Transient Data Queue CSMT
Module: DFHCRRSY

XMEOUT Parameters: date, time, applid, sessid, sysid, netname, protocol

DFHRS2143 date time applid Do_know confirmation was not received on session sessid from remote system sysid, netname netname, protocol protocol.

Explanation: The local system sent a Do_know GDS variable to the remote system but did not receive a valid reply. This indicates an earlier failure of a protected conversation during sync point processing and the resolution of the unit of work. This system was using the Do_know GDS variable to cause resynchronization to be started by the remote system.

This implies an error in the remote system or a CICS logic error.

System Action: The resynchronization attempt should be retried at the next opportunity by the remote system.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Issue CEMT SET CONN(sysid) RESYNC to cause resynchronization to be retried.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the CICS Problem Determination Guide.)

Locate the exception trace entries for the DFHCRRSY program and examine any data sent by the remote system. Also examine the state of the conversation at the point of failure.

A possible cause is that the remote system did not send valid data, or failed to follow the protocol for Do_Know in which case it may be necessary to obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT
Module: DFHCRRSY

XMEOUT Parameters: date, time, applid, sessid, sysid, netname, protocol
DFHRS2144  

**Explanation:** The local system sent a System_restart confirmation was not received on session sessid from remote system sysid, netname netname, protocol protocol.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHEM0116 is normally produced containing the symptom string for this problem.

**User Response:** Issue CEMT SET CONN(sysid) RESYNC to cause transmission to be retried.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the CICS Problem Determination Guide.)

Locate the exception trace entries for the DFHCRRSY program and examine any data sent by the remote system. Also examine the state of the conversation at the point of failure.

A possible cause is that the remote system did not send valid data or failed to follow the protocol for the System_restart message. In this case it may be necessary to obtain further diagnostic material from the remote system.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sessid, sysid, netname, protocol

DFHRS2145  

**Explanation:** The local system has received data which it attempted to parse using the compare states GDS format. Either the data could not be parsed or invalid data was detected.

The remote system was attempting to initialize the connection for synclevel 2 work or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. Exchange log names is sent in both of these cases.

This failure indicates either an error in the remote system or a CICS logic error.

**System Action:** A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHEM0116 is normally produced containing the symptom string for this problem.

If resynchronization was being attempted, it has failed and is retried at the next opportunity.

For APPC protocol connections (but not IRC protocol), the failure prevents the completion of the exchange log names protocol. This prevents any synclevel 2 attaches between the local system and the remote system.

**User Response:** Investigate any units of work for which resynchronization is outstanding using the command CEMT INQUIRE UOWLINK SYSID(sysid). Use the same command on the remote system to determine whether to commit or backout the unit of work. Alternatively, resynchronization can be overridden by issuing the CEMT SET CONN(sysid) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:** If this command is issued, CICS unilaterally commits any resources which may be waiting for resynchronization.
CICS does not carry out any resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the CICS Problem Determination Guide.)

An exception trace entry contains the received data, and the reason for the failure is interpreted. Check the format of the compare states GDS variable. The correct format of this SNA defined field can be found in the SNA Formats manual.

The format of the GDS variable is incorrect and the cause of the error should be located. A possible cause is that the remote system did not send a valid GDS variable, in which case it may be necessary to obtain further diagnostic material from the remote system.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sessid, sysid, netname, protocol

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**DFHRS2147**

*date* *applid* Unrecognized data was received following transmission of an exchange log names reply on session *sessid* to remote system *sysid*, netname *netname*, protocol *protocol*.

**Explanation:** An exchange log names request was received from another system and a reply was sent. More data was expected from the other system but this was not recognized as part of the exchange log names protocol.

This implies one of the following:

- The remote system has detected a protocol violation in the local system’s exchange log names reply GDS variable.
- There has been an internal error in CICS processing.

**System Action:** A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

For APPC protocol, the failure may have resulted in no exchange log name flows being successful preventing any synclevel 2 attaches between the local system and the remote system.

For IRC protocol, resynchronization may fail but communications links remain active.

**User Response:** For links using APPC protocol, issue CEMT INQUIRE CONN(*sysid*) and look at the XOK field. If exchange log names have not been done, the error situation can be overridden by issuing the CEMT SET CONN(*sysid*) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:** If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system. The remote system may also have created diagnostic messages if it detected an error in the data it received.

The data sent by the local system can be investigated by formatting the system dump to show the control blocks belonging to the trace domain and the terminal control program. (For guidance on how to do this, see the CICS Problem Determination Guide.)

Determine from the message which session was being used for this exchange log names conversation.

If the internal trace table is available, use it to track the commands issued against that session and check that the state transitions of the user state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. The TIOA contains similar information for IRC. Locate the send/receive buffer for the session in question and check that the contents of the buffer are correct. The buffer should contain a valid exchange log names GDS reply variable. The correct format of this SNA defined field can be found in the SNA Formats manual.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sessid, sysid, netname, protocol

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**DFHRS2148**

*date* *applid* Resynchronization with system *sysid*, netname *netname*, protocol *protocol* was attempted but was terminated because no partner log name was found.

**Explanation:** CICS has initiated a resynchronization sequence following the failure of a protected conversation during syncpoint processing. No valid log name was found for the partner system. The resynchronization could not continue.

This message indicates that a CEMT SET CONNECTION NORECOVDATA command was issued before the resynchronization with the partner system could be completed. The UOW and UOWLINK describing the outstanding work have also been deleted.

**System Action:** None

**User Response:** None. This message is issued for information only.

**Destination:** CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sysid, netname, protocol

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**DFHRS2149**

*date* *applid* Resynchronization/Exchange log names with system *netname* (protocol *protocol*) could not be executed because no suitable connection entry was found.

**Explanation:** CICS has initiated a resynchronization sequence following the failure of a protected conversation during syncpoint processing. Data exists describing the conversation but no suitable connection definition was found for the partner system. The resynchronization could not continue because communications could not be established.

**System Action:** Processing continues.

**User Response:** The condition may be due to the discarding of the connection definition or to a cold start which has caused a connection definition to be deleted by CICS; the definition may have been autoinstalled. An autoinstalled definition may be reinstalled by subsequent activity in the system. Alternatively, a suitable definition can be installed manually using CEDA.

**Destination:** CSMT
**DFHRS2150**

**Module:** DFHCRRSY

**XMEOUT Parameters:** `date`, `time`, `applid`, `sessid`, `sysid`, `netname`, `protocol`

**DFHRS2150** `date` `time` `applid` Invalid data has been received during the resynchronization sequence on session `sessid` from remote system `sysid`, `netname` `netname`, `protocol` `protocol`.

**Explanation:** The local system has received data which it attempted to parse as one of the following types of SNA GDS data:

- Exchange log names
- Do know
- System restart

The data could not be recognized.

The remote system was attempting to initialize the connection for syncl level 2 work, or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This failure implies one of the following:

- An error was detected by the remote system and it sent an error indication in an FMH7.
- An error has occurred in the remote system.
- A CICS logic error has occurred.

**System Action:** A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

If resynchronization was being attempted, it has failed and will be retried at the next opportunity.

For APPC protocol connections (but not IRC protocol), the failure prevents the completion of the exchange log names protocol and this prevents any syncl level 2 attaches between the local system and the remote system.

**User Response:** For APPC protocol connections, issue CEMT INQUIRE CONN(`sysid`), and examine the XOK field. If exchange log names has not been done but there has been previous contact between the systems, the error can be overridden by resetting the state of the connection. To do this, issue the CEMT SET CONN(`sysid`) NORECOV DATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

**Note:** If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any diagnostic information already issued by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the CICS Problem Determination Guide.)

An trace entry contains the received data. Check the format of this data. The correct format of the SNA defined field can be found in the SNA Formats manual.

A possible cause is that the remote system did not send a valid GDS variable. In this case, it may be necessary to obtain further diagnostic material from the remote system.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**DFHRS2151** `date` `time` `applid` Invalid data has been received during the resynchronization sequence on session `sessid` from remote system `sysid`, `netname` `netname`, `protocol` `protocol`.

**Explanation:** The local system was attempting to receive data as part of a resynchronization sequence but the conversation was in the wrong state or an error FMH was received.

The remote system was attempting to initialize the connection for syncl level 2 work or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

The failure implies one of the following:

- An error was detected by the remote system and it sent an error indication in an FMH7.
- An error occurred in the remote system.
- A CICS logic error has occurred.

**System Action:** A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

If resynchronization was being attempted, it has failed and will be retried at the next opportunity.

**User Response:** The sequence of resynchronization can be retried by issuing CEMT SET CONN(`sysid`) RESYNC.

Investigate the cause of the error using the system dump and any diagnostic information already issued by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the CICS Problem Determination Guide.)

The trace entries show the state of the conversation with the remote system and the arrival of any error FMH indicating an error detected in the remote system. If necessary, obtain further diagnostic material from the remote system.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHCRRSY

**DFHRS2152** `date` `time` `applid` A conversation error has occurred during resynchronization sequence on session `sessid` initiated to remote system `sysid`, `netname` `netname`, `protocol` `protocol`.

**Explanation:** The local system has initiated a sequence of resynchronization exchanges with the partner system and has completed one or more of them. The conversation is not in the right state to continue the process.

The failure indicates either an error in the remote system or a CICS logic error.

**System Action:** A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

If resynchronization was being attempted, it has failed and is retried at the next opportunity.
DFHRS2153

User Response: The sequence of resynchronization can be retried by issuing CEMT SET CONN(sysid) RESYNC.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the CICS Problem Determination Guide.)

The trace entries show the state of the conversation with the remote system. The arrival of any error FMH indicates an error in the remote system. In this case it may be necessary to obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: date, time, applid, sessid, sysid, netname, protocol

DFHRS2154 date time applid A logic error has occurred during resynchronization with system sysid, netname netname.

Explanation: A logic error has occurred during resynchronization with the partner system.

The local data associated with the resynchronization was locked at the start of processing but could not be unlocked at the end.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

An ASQL abend is subsequently issued by the transaction processing the resynchronization, and a transaction dump is taken.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Module: DFHCRRSY

XMEOUT Parameters: date, time, applid, sysid, netname

DFHRS2155 date time applid Affinity changed by partner resource known as connection sysid, netname netname. Old LUNAME was old-luname, new LUNAME is new-luname.

Explanation: A change in the generic resource member associated with the partner system has occurred but the local system has resynchronization work to complete.

The local system has previously made contact with the generic resource known as connection sysid (netname netname), and synclevel(2) work has been exchanged with the assigned member, identified by old-luname. Since that time, the affinity with old-luname has been changed to new-luname by action in the remote system. Resynchronization of the synclevel(2) work cannot take place.

System Action: No system action is taken, but subsequent messages may indicate an exchange log names failure which could prevent the connection being used for synclevel(2) work. Alternatively, messages may indicate that resynchronization work has subsequently been erased by CICS as a result of the XLNACTON setting on the connection definition.

Destination: CSMT

Module: DFHCRRSY

XMEOUT Parameters: date, time, applid, sysid, netname, old-luname, new-luname

DFHRS2156 date time applid A logic error occurred during resynchronization with system sysid, netname netname.

Explanation: The CLS2 transaction was processing exchange lognames or resynchronization for a connected partner identified by a netname netname. The connection entry associated with this netname is sysid, and was located and locked, but could not be unlocked in subsequent processing. This indicates a CICS internal logic error.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

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DFHRS2157

An ASQK abend is subsequently issued by the transaction processing the resynchronization, and a transaction dump is taken.

**User Response:** The condition indicates an error in the CICS table manager (which may have produced its own exception trace records), or in the resynchronization program itself. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sysid, netname

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DFHRTxxxx messages

**DFHRT0001** applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the OS/390 MVS System Codes manual.

Next, look up the CICS abend code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

For further information about code, see the CICS Problem Determination Guide.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHTSU

**XMEOUT Parameters:** applid, aaa/bbbb, X'offset', modname

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**DFHRT0002** applid A severe error (code X'code') has occurred in module modname.

**Explanation:** An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System Action:** An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated.

**Destination:** CSMT

**Module:** DFHCRRSY

**XMEOUT Parameters:** date, time, applid, sysid, netname
by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module `modname` is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module `modname`, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Destination:** Console

**Module:** DFHRTE

**XMEOUT Parameters:** applid, X'code', modname

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**DFHRT4401**

*time applid* No transaction identification specified. Please try again.

**Explanation:** The terminal operator has not entered an identifier for this transaction.

**System Action:** CICS processing continues.

**User Response:** Enter a valid transaction identifier.

**Destination:** Terminal End User

**Module:** DFHRTE

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**DFHRT4402**

*time applid* You cannot use a Program Function key to start transactions on other systems.

**Explanation:** Program function keys cannot be used to initiate a transaction on another system using the routing transaction (CRTE).

**System Action:** CICS processing continues.

**User Response:** Enter a valid transaction identifier.

**Destination:** Terminal End User

**Module:** DFHRTE

---

**DFHRT4403**

*time applid* The routing session to system `sysid` has been terminated. Further transactions will not be routed to the connected system.

**Explanation:** The routing session has been terminated. Subsequent transaction identifiers will not be shipped to the connected system.

**System Action:** CICS processing continues without the connection to system `sysid`.

**User Response:** If you need to use system `sysid`, investigate why the routing session has terminated.

**Destination:** Terminal End User

**Module:** DFHRTE

---

**DFHRT4404**

*time applid* Please change format of request to CRTE SYSID=xxxx,TRPROF=yyyyyyyy.

**Explanation:** The request to the routing transaction CRTE contained incorrect syntax.

**System Action:** CICS processing continues.

**User Response:** Reenter the request to the routing transaction CRTE using the correct syntax.

**Destination:** Terminal End User

**Module:** DFHRTE

---

**DFHRT4405**

*time applid* System `sysid` cannot be found. Please check that you have used the correct system name.

**Explanation:** System `sysid` is not defined to CICS.

**System Action:** CICS processing continues.

**User Response:** Check that you have used the correct system name. Either reenter the request specifying the correct system name, or define system `sysid` to CICS.

**Destination:** Terminal End User

**Module:** DFHRTE

---

**DFHRT4406**

*time applid* System `sysid` is not in service or is released.

**Explanation:** The system `sysid` is not currently in service, or is released.

**System Action:** CICS processing continues. If a routing session had been established before the connection became unavailable, it remains in force until the user enters CANCEL. If the connection becomes usable before this, transactions are again routed. If this message is in response to the initial CRTE command, no routing session is in force and no routing is attempted for subsequent terminal input.

**User Response:** Wait until system `sysid` becomes available. Enter CANCEL to terminate an existing routing session.

**Destination:** Terminal End User

**Module:** DFHRTE

---

**DFHRT4407**

*time applid* This system does not include support of Intersystem Communication.

**Explanation:** The system has not been generated with support for intersystem communication.

**System Action:** CICS processing continues without support for intersystem communication.

**User Response:** Generate the system with support for intersystem communication.

**Destination:** Terminal End User

**Module:** DFHRTE

---

**DFHRT4408**

*time applid* Terminal `termid` is not of the type supported by routing transaction `tranid`.

**Explanation:** The routing transaction does not support the type of terminal being used.

**System Action:** CICS processing continues without support for terminal `termid`.

**User Response:** Use a terminal of the type supported by the routing transaction, that is, a 3270 display terminal or a console.

**Destination:** Terminal End User
Module: DFHRTE

DFHRT4410 time applid System sysid is unavailable. The routing session to it is terminated.

Explanation: The routing transaction has been terminated because the system became unavailable. Subsequent transaction identifiers will not be shipped to the connected system.

System Action: CICS processing continues.

User Response: If appropriate, re-enter the transaction when the routing session to system sysid becomes available.

Destination: Terminal End User

Module: DFHRTE

DFHRT4411 time applid The Communication Profile cannot be found.

Explanation: The profile, specified for a transaction invoked from the terminal to which the message is directed, is not defined to CICS.

System Action: CICS stops initialization of the transaction.

User Response: Define the communication profile to CICS and reinvoke the transaction. For further information on how to define the profile, refer to the CICS Distributed Transaction Programming Guide.

Destination: Terminal End User

Module: DFHRTE

DFHRT4412 time applid The transaction code is not defined on the remote system.

Explanation: A transaction identification, routed to a remote CICS system, is not an installed transaction definition in the remote system. CICS directs this message to the terminal at which the transaction identification was entered.

System Action: CICS stops initialization of the transaction.

User Response: Enter a valid transaction ID, or install the transaction on the remote system.

Destination: Terminal End User

Module: DFHZTSP

DFHRT4413 time applid The transaction has been disabled on the remote system.

Explanation: A transaction, routed to a remote CICS system, is disabled in the installed transaction definition of the remote system. CICS directs this message to the terminal at which the transaction identification was entered.

System Action: CICS stops initialization of the transaction.

User Response: Enable the transaction on the remote system.

Destination: Terminal End User

Module: DFHTZSP

DFHRT4414 time applid Transaction tranid cannot run. CICS shutdown is in progress in the remote system.

Explanation: A transaction tranid was routed to a remote CICS system that was being quiesced. CICS directs this message to the terminal at which the transaction identification was entered.

System Action: The remote CICS system continues quiescing.

User Response: Reenter the transaction when the remote CICS system is in normal execution mode.

Destination: Terminal End User

Module: DFHZTSP

DFHRT4415 time applid Transaction CXRT was invoked directly by terminal input. This is not allowed.

Explanation: The transaction code CXRT, which is reserved for an internal CICS transaction, was entered from a terminal.

System Action: The transaction is run with no effect.

User Response: Do not enter transaction code CXRT at a terminal.

Destination: Terminal End User

Module: DFHCRT

DFHRT4416 date time applid Abend abcode has occurred in the {Dynamic | Distributed} Routing Program. Module name: modname.

Explanation: Either the dynamic routing program or the distributed routing program has abnormally terminated with abend code abcode.

System Action:

1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - a PGMIDERR condition is returned to the program issuing the Link command.
3. Non-terminal dynamically routed start requests - normal transaction abend processing continues unless the abend is during task termination. In this case message DFHRT4423 is issued.

User Response: See the description of abend code abcode for further guidance.

If the code is not a CICS transaction abend code, it is a user abend code. Request an explanation from the programmer responsible for this area.

Destination: CSMT

Modules: DFHAPRT, DFHEIIC, DFHEPC, DFHICXM

XMEOUT Parameters: date, time, applid, abcode, {1=Dynamic, 2=Distributed}, modname
DFHRT4417 date time applid Abend abcode in modname -
(Dynamic | Distributed) routing program must be
AMODE=31.

Explanation: CICS has failed to link to EITHER the dynamic
routing program OR the distributed routing program because it is
not AMODE 31.

System Action:
1. Transaction Routing - normal transaction abend processing
continues.
2. Dynamic Distributed Program Link - a PGMIDERR condition is
returned to the program issuing the Link command.
3. Non-terminal dynamically routed start requests - normal
transaction abend processing continues unless the abend is
during task termination. In this case message DFHRT4423 is
issued.

User Response: Recompile, reassemble, and link edit the
dynamic routing program to AMODE 31.

Destination: CSM

Modules: DFHAPRT, DFHEIIC, DFHEPC, DFHICXM

XMEOUT Parameters: date, time, applid, abcode, modname,
{1=Dynamic, 2=Distributed}

DFHRT4418 date time applid Abend abcode in modname -
(Dynamic | Distributed) routing program PPT entry
not found.

Explanation: CICS was unable to find a PPT entry for EITHER
the dynamic routing program OR the distributed routing program.

System Action:
1. Transaction Routing - normal transaction abend processing
continues.
2. Dynamic Distributed Program Link - a PGMIDERR condition is
returned to the program issuing the Link command.
3. Non-terminal dynamically routed start requests - normal
transaction abend processing continues unless the abend is
during task termination. In this case message DFHRT4423 is
issued.

User Response: Ensure that EITHER
1. the dynamic routing program specified by the system
  initialization parameter DTRPGM=program name, or specified
  via the EXEC CICS SET SYSTEM DTRPROGRAM(program
  name) has been correctly defined to CICS
2. the distributed routing program specified by the system
  initialization parameter DSRTPGM=program name, or specified
  via the EXEC CICS SET SYSTEM DSRTPROGRAM(program
  name) has been correctly defined to CICS

Destination: CSM

Modules: DFHAPRT, DFHEIIC, DFHEPC, DFHICXM

XMEOUT Parameters: date, time, applid, abcode, modname,
{1=Dynamic, 2=Distributed}
DFHRT4421  

**DFHRT4421** *date time applid Unable to Delete remote Terminal termid that is connected to system sysid.*

**Explanation:** A transaction could not be started because the remote terminal definition for termid, system sysid was flagged for deletion but the DELETE failed. This might indicate a transaction looping on the terminal.

**System Action:** The user transaction abends with abend code AZTI.

**User Response:** See the associated DFHZCxxxx messages for further guidance. Once corrected, you can attempt to run the transaction again.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHRTSP

**XMEOUT Parameters:** date, time, applid, termid, sysid

---

**DFHRT4422** *time applid The connection to system sysid does not support transaction routing. Please check that you have used the correct system name.*

**Explanation:** The connection to system sysid is not an MRO or APPC connection.

**System Action:** CICS processing continues.

**User Response:** Check that you have used the correct system name. Either reenter the request specifying the correct system name, or define the connection to system sysid as an MRO or APPC connection.

**Destination:** Terminal End User

**Module:** DFHRTE

---

**DFHRT4423** *date time applid An error has occurred while attempting to invoke the distributed routing program.*

**Explanation:** An error has been detected while attempting to invoke the distributed routing program for a non-terminal start request. This error would normally result in a transaction abend but in this case no abend is issued because doing so would result in the task being suspended indefinitely.

**System Action:** None

**User Response:** See the preceeding DFHRTxxxx messages for further guidance.

**Destination:** Console and Transient Data Queue CSMT

**Module:** DFHICXM

**XMEOUT Parameters:** date, time, applid

---

**DFHRT4480** *time applid The CSSF transaction is no longer supported. Please use CESF.*

**Explanation:** A user has attempted to run the CSSF transaction. The CSSF transaction is only invoked internally by CICS for CRTE cancel processing.

**System Action:** The transaction terminates.

**User Response:** Use the CESF transaction to sign off.

**Destination:** Terminal End User

**Module:** DFHRTC

---

**DFHRUxxxx messages**

**DFHRU2816** *applid Exit program progname is not available*

**Explanation:** The user-defined global exit program, progname, is not defined, or disabled, or missing from the program library.

**System Action:** CICS abnormally terminates the recovery control restart task with transaction abend ARCB. CICS then terminates abnormally.

**User Response:** Make program progname available.

**Destination:** Console

**Module:** DFHRCEX

**XMEOUT Parameters:** applid, progname

---

**DFHRXxxxx messages**

**DFHRX0001** *applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.*

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.
You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHRXDM

**XMEOUT Parameters:** applid, aaaa/bbbb, X'offset', modname

---

**DFHRX0002** applid A severe error (code X'code') has occurred in module modname.

**Explanation:** An error has been detected in module modname. The code 'X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System Action:** RX domain initialization has completed successfully.

**Explanation:** RX domain initialization has started.

**System Action:** This is an informational message indicating the start of RX domain initialization.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Destination:** Console

**Module:** DFHRXDM

**XMEOUT Parameters:** applid, X'code', modname

---

**DFHRX0002** applid A severe error (code X'code') has occurred in module modname.

**Explanation:** An error has been detected in module modname. The code 'X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System Action:** RX domain initialization has completed successfully.

**Explanation:** RX domain initialization has started.

**System Action:** This is an informational message indicating the start of RX domain initialization.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Destination:** Console

**Module:** DFHRXDM

**XMEOUT Parameters:** applid, X'code', modname

---

**DFHRX00102** applid Errors were encountered during initialization of the RX domain. Domain initialization has ended.

**Explanation:** Errors have been detected by the Resource Recovery Services (RX) domain during CICS initialization. Accompanying messages describe the nature of the errors.

**System Action:** A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**User Response:** If your CICS system will not use any services that depend on Resource Recovery Services, no action is necessary. Otherwise, you will need to shut CICS down, and restart it once the problems identified by the earlier messages have been corrected.

**Destination:** Console

**Module:** DFHRXDM

**XMEOUT Parameter:** applid

---

**DFHRX00103** applid An unexpected return code X'rc' was received from RRMS service xxxxxxxx.

**Explanation:** An unexpected return code was received when CICS issued a request to Recoverable Resource Management Services (RRMS). The name of the RRMS service included in the message indicates the component of RRMS as follows:

- **CRGxxxx** Registration Services
- **CTXxxxx** Context Services
- **ATRxxxx** Resource Recovery Services (RRS)

This message may indicate a problem with RRMS.

**System Action:** CICS continues, but - depending on the service and the return code - CICS services that depend on RRMS may not be available. Further messages will provide more information.

**User Response:** Record the name of the RRMS service and the return code. RRMS return codes are documented in GC28-1793 OS/390 MVS Programming: Resource Recovery.

If you are unable to determine the cause of the problem from this information, you may need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHRXDM, DFHRXUW

**XMEOUT Parameters:** applid, X'rc', xxxxxxxx

---

**DFHRX0104I** applid The Resource Recovery Services (RRS) exit manager aaaaaaaaaaaaaaaa is now available.

**Explanation:** This message is issued when CICS discovers that a Resource Recovery Services (RRS) exit manager is available. The insert aaaaaaaaaaaaaaaa is the name of the exit manager.

**System Action:** CICS begins restart processing with RRS.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGLVL=0.

**Destination:** Console

**Module:** DFHRXDM
Explanation: This message is issued when CICS discovers that a
Resource Recovery Services (RRS) exit manager is unavailable.
The insert aaaaaaaaaaaaaaaaa is the name of the exit manager.
Transactions which use RRS to coordinate their updates cannot be
successfully executed.

System Action: CICS continues. Message DFHRX0104 will be
issued when the exit manager becomes available once more.

User Response: None. You can suppress this message with the
system initialization parameter, MSGVLVL=0.

Destination: Console
Module: DFHRXDM
XMEOUT Parameters: applid, aaaaaaaaaaaaaaaaaaa

Explanation: This message is issued when CICS begins restart
processing with Resource Recovery Services (RRS).

System Action: CICS continues.

User Response: None. You can suppress this message with the
system initialization parameter, MSGVLVL=0.

Destination: Console
Module: DFHRXDM
XMEOUT Parameter: applid

Explanation: This message is issued when restart processing
with Resource Recovery Services (RRS) ends. If RRS has
become unavailable during restart processing (indicated by
message DFHRX0105) restart processing may be incomplete.

System Action: CICS continues. If RRS has become
unavailable, CICS will resume restart processing when RRS
becomes available once more.

User Response: None. You can suppress this message with the
system initialization parameter, MSGVLVL=0.

Destination: Console
Module: DFHRXDM
XMEOUT Parameter: applid

Explanation: During the exchange of log names with Resource
Recovery Services (RRS), which occurred when RRS restarted,
this system’s memory of RRS’s log name did not match the log
name retrieved from RRS. RRS may have performed a cold start.

System Action: CICS execution continues. Units of work that are
awaiting resynchronization with RRS will not be resolved
automatically.

User Response: The associated units of work may need to be
resolved by using CEMT SET UOW. The message should not recur.

XMEOUT Parameters: applid, aaaaaaaaaaaaaaaaaa

Explanation: A batch program using the extended External CICS
Interface (EXCI) has issued a DPL request which does not include
the SYNCONRETURN option. However, the value of the pass
token received from the batch region does not match which
was lodged with Recoverable Resource Management Services
(RRMS) in the batch region.

System Action: DFHRXUW provides console message
DFHRX0002, and possibly a system dump (depending on the
options in the dump table). The transactional DPL request will not
be processed, and the batch job which issued the request may be
suspended until it times out.

User Response: Investigate why the pass token was incorrect. It
is possible that an unauthorized user has attempted to guess the
value of the pass token in order to influence the outcome of a Unit
of Work that has expressed interest in an RRMS Unit of Recovery.

If you are satisfied that there has been no attempt to interfere with
the pass token, you may need further assistance from IBM. See
Part 4 of the CICS Problem Determination Guide for guidance on
how to proceed.

Destination: Console and Transient Data Queue CSCS
Module: DFHRXUW
XMEOUT Parameters: date, time, applid, sysid, termid

Explanation: Resource Recovery Services (RRS) has rejected a
request to begin restart processing because there is incomplete
recoverable work associated with this CICS applid on another
system in the sysplex.

System Action: CICS execution continues, but CICS services
that depend upon RRS will not be available until the problem is
corrected.

User Response: If your CICS system will not use any services
that depend on RRS, no action is necessary. Otherwise, close
CICS down and restart it on the correct system in the sysplex. Use
the RRS ISPF panels to scan the RRS Resource Manager Data log
in order to find the correct system on which to restart CICS.

If, for some reason, you cannot restart CICS on another system in
the sysplex, you can take the following steps. However, if you do
so, resources may be out of synchronization:

1. Use the RRS Unit of Recovery list panels to force completion
   of the incomplete recoverable work
2. Restart CICS or RRS
3. Force any CICS units of work that are awaiting resolution from
   RRS.

Destination: Console
Module: DFHRXDM
XMEOUT Parameter: applid

New message DFHRX0111

APAR PQ25397
Resource Recovery Services (RRS) has lost logged data. Resynchronization information may be missing.

Explanation: While attempting to recover resynchronization information from its logs, Resource Recovery Services (RRS) has discovered that some data is missing. This is due to a problem with the RRS log streams.

System Action: CICS restart processing with RRS continues, but RRS may not be able to provide a decision for all indoubt units of work. In these cases, updates to local resources will be committed or backed out according to the ACTION attribute in the corresponding transaction definition.

The Recovery Manager domain will issue one of the following messages for each unit of work affected, indicating the outcome:

DFHRM0112
DFHRM0113

User Response: Use the information provided in the Recovery Manager message to decide what action is needed. You may need to take steps to resynchronize resources in local and remote systems.

Destination: Console
Module: DFHRXDM
XMEOUT Parameter: applid

An abend (code code) has occurred at offset X'offset' in module module.

Explanation: An unexpected program check or abend occurred with abend code aaabbb.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'offset' in module modname. This may have been caused by corruption of CICS code or control blocks.

System Action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Modules: DFHSHRT1, DFHSHRT2, DFHSHDM, DFHSHPR, DFHSHRQ, DFHHSY
XMEOUT Parameters: applid, code, X'offset', module

A severe error (code X'code') has occurred in module module.

Explanation: The SH domain has received an unexpected error response from some other part of CICS. The operation requested by recovery manager is described by code X'code'.

For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System Action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the problem as follows:

1. Determine if the problem can be explained by any previous messages issued from some other CICS component.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Modules: DFHSHRT1, DFHSHRT2, DFHSHDM, DFHSHPR, DFHHSY, DFHSHRE
XMEOUT Parameters: applid, X'code', module
DFHSH0101

DFHSH0101 date time applid The call to invoke the Distributed Routing Program, program, has failed. Refer to message DFHSH0105.

Explanation: An error occurred when attempting to link to the Distributed Routing Program, identified by the DSRTPGM SIT parameter.

System Action: A ASHU dump may be produced depending on type of failure.

User Response: Ensure that the Distributed Routing Program is available to the system. It must be defined to Program Manager and it must be present in the DFHRPL library concatenation. Alternatively, name a new Distributed Routing Program using SET SYSTEM DSRTPROGRAM or from CEMT.

Destination: CSSH
Module: DFHSHRT2
XMEOUT Parameters: date, time, applid, program

DFHSH0102 date time applid The Distributed Routing Program, program, has returned a bad response. See following message DFHSH0105.

Explanation: The Distributed Routing Program, identified by the DSRTPGM SIT parameter, has returned a bad response. The request may not be serviced immediately.

System Action: No dumps are taken.

User Response: Ensure that the Distributed Routing Program definition is correct.

Destination: CSSH
Module: DFHSHRE
XMEOUT Parameters: date, time, applid, program

DFHSH0103 date time applid The call to invoke the Distributed Routing Program, program, has failed. The Distributed Routing Program has abnormally terminated with abend Code abcode.

Explanation: The Distributed Routing Program has abnormally terminated with abend code abcode.

System Action:
1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - an abended condition is returned to the calling program.

User Response: See the description of abend code abcode for further guidance.

If the code is not a CICS transaction abend code, it is a user abend code. Request an explanation from the programmer responsible for this area.

Destination: CSSH
Module: DFHSHRT2
XMEOUT Parameters: date, time, applid, program

DFHSH0104 date time applid The call to invoke the Distributed Routing Program, program, has failed due to an invalid AMODE.

Explanation: An error occurred when attempting to link to the Distributed Routing Program, identified by the DSRTPGM SIT parameter. The program has an invalid AMODE specified.

System Action: No dumps are taken.

User Response: Ensure that the Distributed Routing Program has an invalid AMODE specified.

Destination: CSSH
Module: DFHSHRT2
XMEOUT Parameters: date, time, applid, program

DFHSH0105 date time applid Request (Id: requestid, Processtype: processname, Activityname: activityname, Transaction: tranid) cannot be serviced. It will be retried every minute and will be purged after 24 hours if not serviced then.

Explanation: A request cannot be serviced immediately. This is either because the Distributed Routing Program, identified by the DSRTPGM SIT parameter, has returned a response which indicates that it is unable to route a request, or a temporary error occurred during an attempt to service the request locally.

The request is identified by the request id id (the key of the request on the Local Request Queue data set (DFHLRO)), the process type processname, the process name processname, the activity name activityname, and the transaction id tranid.

System Action: No dumps are taken. The request is marked unserviceable, and is then retried every minute until it is either serviced, or 24 hours have elapsed in which case the request is purged and message DFHSH0107 issued.

Message DFHSH0106 is issued once every hour while the request cannot be serviced. If the request is serviced successfully, message DFHSH0108 is issued.

User Response: Investigate why the request cannot be serviced. This may be caused by one of the following:
- The local request queue is unavailable.
- The request refers to a resource (activity or process) which is unavailable.
- The system to which the request is to be routed is down, or the link is down.
- The Distributed Routing Program is failing or is returning an invalid target system.

Destination: Console and Transient Data Queue CSSH
Module: DFHSHRM
XMEOUT Parameters: date, time, applid, requestid, processname, activityname, tranid

DFHSH0106 date time applid Request (Id: requestid, Processtype: processname, Activityname: activityname, Transaction: tranid) still cannot be serviced. It will be retried every minute and will be purged after hours hours if not serviced successfully.

Explanation: Following message DFHSH0105, this message is issued every hour while a request cannot be successfully serviced.

The request is identified by the request id requestid (the key of the
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DFHSH0107

| request on the Local Request Queue data set (DFHLRQ), the process type processtype, the process name processname, the activity name activityname, and the transaction id tranid. System Action: No dumps are taken. The request continues to be retried every minute until it is either serviced successfully, or 24 hours have elapsed since message DFHSH0105 was issued, in which case the request is purged and message DFHSH0107 is issued. User Response: See message DFHSH0105. Destination: Console and Transient Data Queue CSSH Module: DFHSHE Module: DFHSHE Module: DFHSHE Modules: DFHSHE, DFHSRE, DFHSRF, DFHSRSY XMEOUT Parameters: date, time, applid, requestid, processtype, processname, activityname, tranid, hours

DFHSH0107 date time applid Request (Id: requestid, Process: processtype, Processname: processname, Activityname: activityname, Transaction: tranid) has now been purged. Explanation: A request has been unserviceable for 24 hours and has now been purged. This message will be preceded by message DFHSH0105 and several occurrences of message DFHSH0106. The request is identified by the request id requestid (the key of the request on the Local Request Queue data set (DFHLRQ)), the process type processtype, the process name processname, the activity name activityname, and the transaction id tranid. System Action: No dumps are taken. The request is purged. User Response: See message DFHSH0105. Destination: Console and Transient Data Queue CSSH Module: DFHSHE Module: DFHSHE Module: DFHSHE Modules: DFHSHE, DFHSRE, DFHSRF, DFHSRSY XMEOUT Parameters: date, time, applid, requestid, processtype, processname, activityname, tranid

DFHSH0108 date time applid Previously unserviceable request (Id: requestid, Process: processtype, Processname: processname, Activityname: activityname, Transaction: tranid) has now been successfully serviced. Explanation: A request which was previously unserviceable has now been successfully serviced. This message will have been preceded by message DFHSH0105 and possibly one or more occurrences of message DFHSH0106. The request is identified by the request id requestid (the key of the request on the Local Request Queue data set (DFHLRQ)), the process type processtype, the process name processname, the activity name activityname, and the transaction id tranid. System Action: No dumps are taken. User Response: None. Destination: Console and Transient Data Queue CSSH Module: DFHSHE Module: DFHSHE Module: DFHSHE Modules: DFHSHE, DFHSRE, DFHSRF, DFHSRSY XMEOUT Parameters: date, time, applid, requestid, processtype, processname, activityname, tranid

DFHSH0109 date time applid An error has occurred when attempting to access the Local Request Queue data set (DFHLRQ). (The file could not be found., 1=The file could not be found., 2=The file was closed., 3=The file was disabled., 4=There was insufficient space., 5=An I/O error occurred., 6=The data set is being copied.) The Local Request Queue is now unavailable. Explanation: One of the following errors was detected when attempting to access the Local Request Queue data set (DFHLRQ): • The file could not be found. • The file was closed. • The file was disabled. • There was insufficient space. • An I/O error occurred. • The dataset is being copied. System Action: The Local Request Queue data set (DFHLRQ) is now available. CICS then attempts to access the data set every minute. If successful, message DFHSH0110 is issued to indicate the data set is now available. User Response: Investigate the error which caused the Local Request Queue to be made unavailable. Destination: Console and Transient Data Queue CSSH Modules: DFHSHE, DFHSRF, DFHSRSY XMEOUT Parameters: date, time, applid, {1=The file could not be found., 2=The file was closed., 3=The file was disabled., 4=There was insufficient space., 5=An I/O error occurred., 6=The data set is being copied.}

DFHSH0110 date time applid The Local Request Queue data set (DFHLRQ) is now available. Explanation: The Local Request Queue data set (DFHLRQ), which was previously unavailable, is now available. See message DFHSH0109. System Action: None. User Response: None. Destination: Console and Transient Data Queue CSSH Module: DFHSHE Module: DFHSHE Module: DFHSHE Modules: DFHSHE, DFHSRE, DFHSRF, DFHSRSY XMEOUT Parameters: date, time, applid

DFHSH0111 date time applid tranid trannum userid An error has occurred in Scheduler Services during the prepare phase of syncpoint. Explanation: Scheduler Services domain encountered an error during the prepare phase of syncpoint. System Action: Scheduler Services returns a NO vote to the Recovery Manager. The transaction will be abended with an ASP7 abend. User Response: Check for other Scheduler Services messages that may indicate the cause of the error. For example, message DFHSH0109 indicates problems with the Local Request Queue. Destination: Console and Transient Data Queue CSSH Module: DFHSHE Module: DFHSHE Module: DFHSHE Modules: DFHSHE, DFHSRE, DFHSRF, DFHSRSY XMEOUT Parameters: date, time, applid, tranid, trannum, userid

Chapter 1. DFH messages
DFHSIxxxx messages

DFHSI0914I applid Unable to initiate transaction CSFU. Files will not be opened at initialization.

Explanation: Module DFHSIJ1 could not start transaction CSFU. Execution of the DHIC TYPE=INITIATE macro failed. Either CSFU is not an installed transaction definition, or DFHFCU is not an installed program definition.

System Action: CICS does not open any files at initialization time. If a file is defined in the file control table (FCT) to be opened at initialization time, CICS will open it on first reference.

User Response: Make transaction CSFU and program DFHFCU available for execution. Group DFHOPCLS in DFHLIST contains all of the definitions needed for file opening and closing (dynamically as well as at initialization time).

Destination: Console
Module: DFHSIJ1
XMEOUT Parameters: applid

DFHSI1250I applid VSAM error processing SHOWCAT for intrapartition data set dsetname R15=xxxx.

Explanation: During SHOWCAT processing for the intrapartition data set, dsetname, VSAM detected an error and issued return code xxxx.

System Action: CICS writes a dump and terminates abnormally. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check the return code in the OS/VS VSAM Programmer's Guide, and restart CICS.

Destination: Console
Module: DFHSID1
XMEOUT Parameters: applid, dsetname, xxxx

DFHSI1499I applid Unable to acquire special storage.

Explanation: As part of CICS initialization, an attempt is made to acquire an area of storage from the fetch-protected subpool. The attempt has been unsuccessful.

System Action: CICS terminates abnormally with a dump.

User Response: This error indicates a severe problem with your operating system. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHSIB1
XMEOUT Parameter: applid

DFHSI1500I applid element startup is in progress for CICS Transaction Server Version version

Explanation: This is an informatory message indicating that element startup is in progress.

Element is part of CICS Transaction Server Version version.
Element = CICS Version = 1.3.0
System Action: System initialization continues.

User Response: None. This message cannot be suppressed.
Destination: Console
Module: DFHAPSIP
XMEOUT Parameters: applid, element, version

DFHSI1501I applid Loading CICS nucleus.

Explanation: This is an informatory message indicating that the CICS nucleus is being loaded.

System Action: System initialization continues.
User Response: None.
Destination: Console
Modules: DFHSIB1
XMEOUT Parameter: applid

DFHSI1502I applid CICS startup is {Cold | Warm | Emergency | Initial}.

Explanation: During CICS initialization, the type of restart is determined and the operator notified by this message.

System Action: System initialization continues.
User Response: None.
Destination: Console
Modules: DFHSIC1, DFHSSI1
XMEOUT Parameters: applid, {1=Cold, 2=Warm, 3=Emergency, 4=Initial}

DFHSI1503I applid Terminal data sets are being opened.

Explanation: This is an informatory message indicating that the terminal data sets are being opened.

System Action: System initialization continues.
User Response: None.
Destination: Console

DFHSI1506I applid Unable to OPEN the global catalog.

Explanation: During initialization, CICS issued an OPEN for the global catalog DFHGCD data set, but the OPEN failed.

System Action: CICS terminates abnormally with a dump.
User Response: Examine the preceding VSAM message for the reason for the OPEN failure. Note that if you specify START=AUTO, or if you define your system with journal support, you must supply a global catalog data set in the JCL.

Destination: Console
Module: DFHSIC1
XMEOUT Parameter: applid
DFHSI1511I applid Installing group list grplist.

Explanation: Group list grplist is being installed.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHAMPIL

XMEOUT Parameters: applid, grplist

DFHSI1513 applid CICS checking for TCAM MCP.

Explanation: CICS is checking for the presence of a TCAM MCP region during CICS initialization.

System Action: This message is issued three times with a time interval of ten seconds. If the TCAM MCP is not still available, message DFHSI1520 is issued.

User Response: None.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: applid

DFHSI1517 applid Control is being given to CICS.

Explanation: This is an informative message indicating that control is being given to CICS. applid is the VTAM APPLID of the CICS system issuing the message.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: applid

DFHSI1519I applid The interregion communication session was successfully started.

Explanation: This is an informative message indicating that the interregion communication (IRC) session has been successfully started.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: applid

DFHSI1520 TCAM MCP NOT CURRENTLY AVAILABLE. REPLY 'RETRY' OR 'CANCEL' OR 'CONT'

Explanation: During initialization, CICS discovered that the TCAM message control program (MCP) was required, but was not operational.

System Action: The system waits for a response.

User Response: The operator can respond with ‘RETRY’ (when the TCAM region becomes active), ‘CANCEL’ (to terminate CICS), or with ‘CONT’ (to proceed with CICS initialization without the TCAM MCP).

All DD statements that refer to a TCAM queue must be removed from the startup job stream before a reply of ‘CONT’ is given, otherwise an ABEND occurs.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSIF1

DFHSI1521 applid CICS unable to continue for reasons given above.

Explanation: CICS initialization cannot continue because of one or more serious errors. One or more preceding messages describe these errors.

System Action: CICS terminates with a dump.

User Response: Refer to any preceding messages for further guidance on what the problems may be and how to solve them. Correct the errors and restart CICS.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: applid

DFHSI1522D applid Restart errors reported above. Reply 'GO' or 'CANCEL'.

Explanation: One or more error messages precede this message. CICS can continue initialization but only in degraded mode.

System Action: Depending on your response to this message, CICS terminates or continues initialization in degraded mode.

User Response: Consider the reported errors and their effects, and decide if you want CICS to continue in degraded mode. If you do, reply ‘GO’. If you do not, then reply ‘CANCEL’. Correct the errors and restart CICS.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: applid

DFHSI1530 applid Purge of non-executable ATI request inoperative.

Explanation: CICS is unable to initiate the CRSQ task to delete automatic transaction initiation (ATI) requests from the system when those requests are not honored for longer than the ATI purge delay interval.

System Action: System initialization continues.

User Response: If ATI purge is required, ensure that the CRSQ task is available next time CICS is initialized.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: applid

DFHSI1531 applid Terminal control incompatibility. macro VTAM return code: retcode error code: errcode (modname: DFHZRPL).

Explanation: CICS found an inconsistency during the initialization of terminal control.

macro is the name of the failing VTAM macro.

retcode is the VTAM hexadecimal return code in Register 15.

errcode contains the contents of Register 0, which is the associated error code in hexadecimal.

Refer to the ACF/VTAM Programmer's Reference manual for a complete description of the VTAM return code retcode and the VTAM error code errcode.

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The probable cause of this inconsistency is that VTAM=YES was specified (perhaps by default) in the SIT, but the VTAM macros GENCB and SHOWCB are not available.

**System Action:** After issuing this message, CICS system initialization abnormally terminates with a system dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Use the VTAM return code and error code to determine the cause of failure in the VTAM macro. Correct the error using the ACF/VTAM Programmer's Reference manual, and restart CICS.

**Destination:** Console

**Module:** DFHZRPL

**XMEOUT Parameters:** applid, macro, retcode, errcode

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**Explanation:** This is an informative message indicating that CICS has loaded module modname at address address.

**System Action:** System initialization continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHAPSIP

**XMEOUT Parameters:** applid, modname, address

---

**Explanation:** The DFHAMP program cannot be found on the load library. The GRPLIST parameter cannot be processed and so is ignored.

**System Action:** System initialization continues.

**User Response:** Ensure that the DFHAMP program is on the load library.

**Destination:** Console

**Module:** DFHSII1

**XMEOUT Parameter:** applid

---

**Explanation:** Errors have been detected in DFHAMP while installing GRPLIST during CICS initialization. Accompanying messages describe the nature of the errors.

**System Action:** CICS waits for a reply. If you reply CANCEL, CICS terminates. If you specify a valid list name, CICS initialization continues and the list is installed.

**User Response:** See the associated messages for further information about these errors. Reply with GO or CANCEL.

**Destination:** Console

**Module:** DFHSII1

**XMEOUT Parameter:** applid

---

**Explanation:** The CESC transaction failed to start during initialization of an alternate XRF region. Although CICS continues to initialize, terminals left signed on after the takeover are not timed out.

**System Action:** A dump is produced and CICS continues initialization.

**User Response:** Use the dump to investigate why the transaction could not be started. It may be that the system was short on storage or that the transaction has been disabled.

**Destination:** Console

**Module:** DFHSII1

**XMEOUT Parameter:** applid
**DFHSI1542** applid Takeover by the CICS alternate system has failed. Emergency restart could not be performed.

**Explanation:** This CICS alternate system is attempting to take over from its associated active CICS system but the recovery manager component has indicated that an initial start is required because of a system log failure.

**System Action:** CICS is abnormally terminated and a dump is provided.

**User Response:** Look for console messages issued by the active CICS system which indicate the nature of the log failure. If no such messages have been issued, an internal CICS error may have occurred. In this case you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** Console

**Module:** DFHSII1

**XMEOUT Parameter:** applid

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**DFHSI1543** applid Time-Of-Day clock inoperative.

**Explanation:** System initialization was unable to establish the time-of-day clock values for CICS.

**System Action:** CICS is abnormally terminated and a dump is provided.

**User Response:** The time-of-day clock is external to CICS execution and may have been disabled. Enable the time-of-day clock and restart CICS.

**Destination:** Console

**Module:** DFHSII1

**XMEOUT Parameter:** applid

---

**DFHSI1547** applid Notification of a default qualified LUNAME to the recovery manager domain has failed.

**Explanation:** CICS is running with VTAM=NO, or an attempt to open the VTAM ACB has failed.

If VTAM=NO is specified, CICS uses the UOWNETQL system initialization parameter to form a default qualified LUNAME to pass to the recovery manager. If the VTAM ACB failed to open, CICS uses UOWNETQL to form the default qualified LUNAME. If UOWNETQL has not been specified, CICS sets UOWNETQL to the invalid value ‘9UNKNOWN’ to highlight the problem.

An attempt was then made to transfer the default qualified LUNAME of the system to the recovery manager domain for use in constructing unit of work (UOW) identifiers. The attempt failed, indicating a serious error.

**System Action:** CICS continues. UOW identifiers constructed by the recovery manager domain do not contain a qualified Luname.

**User Response:** Keep the exception trace data produced by the recovery manager domain. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** Console

**Module:** DFHSIF1

**XMEOUT Parameter:** applid

---

**DFHSI1548** applid After opening the VTAM ACB, CICS has failed to transfer the fully qualified LUNAME to the recovery manager domain.

**Explanation:** The VTAM ACB was opened by CICS to allow communication via VTAM. An attempt was then made to transfer the fully qualified LUNAME of the system. The LUNAME is provided to the recovery manager domain by VTAM for use in constructing unit of work (UOW) identifiers. The attempt failed, indicating a serious error.

**System Action:** CICS continues. Unit of work identifiers constructed by the recovery manager domain do not contain a fully qualified LUNAME.

**User Response:** Keep the exception trace data produced by the recovery manager domain. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** Console

**Module:** DFHZSLS

**XMEOUT Parameter:** applid

---

**DFHSI1549** applid Logic error when building TCT module list.

**Explanation:** Either the format of the modules DFHZCA, ZCB, ZCP, ZCW, ZCX, ZCY, ZCZ and ZCXR was not as expected, or the TCT was generated incorrectly.

**System Action:** CICS is abnormally terminated and a dump is provided.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Possible reasons for this message are:

1. The modules listed were generated without VTAM facilities, but the system initialization table (SIT) specifies VTAM=YES.
2. The TCT does not include ACCESSMETHOD=VTAM, but the system initialization table (SIT) specifies VTAM=YES.
3. The entry points of the listed modules are incorrect.
4. The module list in each of the listed modules is incorrect.

If reason 1 or 2 applies, correct the error. Otherwise, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** Console

**Module:** DFHSIF1

**XMEOUT Parameter:** applid

---

**DFHSI1550** applid A severe error has occurred while making a domain domain call with response X’reason’ and reason X’reason’.

**Explanation:** An unexpected error was returned from the specified domain. The response and reason codes are given.

**System Action:** A system dump is taken, unless the failing domain has previously taken diagnostics.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system administrator. This failure indicates a serious error in CICS.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.
DFHSI1551

Destination: Console
Module: DFHSII1
XMEOUT Parameters: applid, domain, X'response', X'reason'

DFHSI1551 applid The CICS region userid userid is not authorized to use the PLTPUSR parameter userid userid. Initialization cannot continue, so CICS is terminated.

Explanation: The userid specified in the job control statements for the CICS region is not authorized to use the userid specified in the PLTUSR system initialization parameter.

System Action: CICS initialization terminates.

User Response: Ensure that the correct userid is specified for PLT processing.

Ensure that the userid for the CICS region has the necessary authorization. This may require the assistance of a security administrator.

When the necessary corrections have been made rerun the CICS job.

Destination: Console
Module: DFHSII1
XMEOUT Parameters: applid, userid, userid

DFHSI1552 applid Userid userid specified for the PLTPUSR parameter has not been defined correctly to the external security manager (ESM). SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

Explanation: The userid specified for the PLTPUSR initialization parameter has been defined incorrectly.

System Action: CICS terminates abnormally with a dump.

User Response: Ensure that the desired userid is specified for PLT processing and that external security manager (ESM) definitions have been specified correctly.

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Correct the errors and restart CICS.

Destination: Console
Module: DFHSII1
XMEOUT Parameters: applid, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'

DFHSI1556 applid The unit of work network qualifier specified via the UOWNETQL parameter contains invalid characters or begins with a number. A dummy qualifier is substituted.

Explanation: The UOWNETQL system initialization parameter has been specified incorrectly. The UOWNETQL parameter must consist of uppercase letters (A through Z), or numbers in the range 0 through 9. The first character must be a letter.

CICS is running with VTAM=NO, or an attempt to open the VTAM ACB has failed.

When VTAM=NO is specified, CICS uses UOWNETQL to form a default qualified LUNAME to pass to the recovery manager.

If the VTAM ACB fails to open, CICS uses UOWNETQL to form the default qualified LUNAME.

System Action: CICS continues but with the UOWNETQL deliberately set to the invalid value ‘9UNKNOWN’ to highlight the problem.

User Response: Correct the UOWNETQL system initialization parameter.

Destination: Console
Module: DFHSIF1
XMEOUT Parameter: applid

DFHSI1558 applid Program programname cannot be found.

Explanation: Program programname is essential for CICS to initialize correctly, but was not defined in a group referenced by the group list specified in the startup job stream.

System Action: A dump is provided and CICS is terminated.

User Response: Ensure that the program is defined in a group referenced by the group list specified in the startup job stream.

Destination: Console
Module: DFHSIJ1
XMEOUT Parameters: applid, programname
DFHSI1559  applid Profile DFHCICSE cannot be found.

Explanation: The DFHCICSE profile is essential for CICS to initialize correctly. However it was not defined in the group list specified in the startup job stream.

System Action: A dump is provided and CICS is terminated.

User Response: Ensure that the DFHCICSE profile is defined in the group list specified in the startup job stream. A definition of DFHCICSE is provided in the DFHSTAND group on the CICS system definition (CSD) file.

Destination: Console
Modules: DFHXCPA, DFHSIJ1
XMEOUT Parameter: applid

DFHSI1562  applid Unable to initialize application domain statistics.

Explanation: During CICS initialization, an error was detected while the application domain (AP) statistics control module, DFHSII1, was being initialized. This could indicate a problem with the AP component of CICS.

System Action: An exception trace entry is made in the trace table and CICS terminates abnormally with a system dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This error may have occurred because of an earlier error detected by the kernel (KE) domain of CICS. Look for earlier messages from the KE domain beginning DFHKExxx, CICS trace table entries with the prefix KE and a dump. These indicate the type of error and the action that should be taken.

If no earlier error is detected by the KE component, DFHSII1 makes an exception entry in the trace table (id=X’0700’) and terminates CICS abnormally with code=1562 and with a system dump. In this case you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHSII1
XMEOUT Parameter: applid

DFHSI1572  applid Unable to OPEN VTAM ACB - RC=xxxxxxxx ACB Code=yy.

Explanation: An error was encountered during system initialization while attempting to open the VTAM ACB. RC=xxxxxxxx is the VTAM error code found in Register 15. yy is the hexadecimal contents of the ACB.

System Action: CICS initialization continues.

User Response: Refer to the ACF/VTAM Programmer’s Reference for a complete description of the values of the ACB error field and the return code.

Use the values and the return code to determine the cause of the problem.
Decide whether to cancel or to continue. (This message appears if you bring up CICS before you bring up VTAM.)

If you want to use VTAM terminals in this CICS run, you must activate VTAM. You can open the VTAM ACB with the CEMT SET VTAM OPEN command.

Destination: Console
Module: DFHSIF1
XMEOUT Parameters: applid, xxxxxxx, yy

DFHSI1573  date time applid Terminal Control is unavailable due to an unsupported access method.

Explanation: ACB/TCAM, and releases of VTAM prior to version 3, are not supported by this release of CICS.

System Action: CICS terminates with a system dump.

User Response: Update your access method.

Destination: Console
Module: DFHZSLS
XMEOUT Parameters: date, time, applid

DFHSI1574  applid TCTUA Subpool not added in DFHZRPL. CICS initialization cannot continue.

Explanation: An attempt to add a subpool by the storage manager has failed. Module DFHZRPL has failed in an attempt to add a subpool for use by the TCTUA’s associated with non-VTAM terminals. Since it is necessary to have the subpool present for use when needed, this is a serious error.

System Action: The initialization of the CICS system which tried to perform the addition of the subpool terminates. If it was not able to add the subpool, then CICS is not able to execute properly.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHZRPL
XMEOUT Parameter: applid

DFHSI1575  applid Getmain failed for TCTUA subpool in module DFHZRPL. CICS initialization cannot continue.

Explanation: The module DFHZRPL has failed in an attempt to GETMAIN an area of storage for use by the TCTUA subpool. This subpool has already been added but no storage yet exists for it. This is a serious error.

System Action: As a result of the GETMAIN failure so early in the initialization sequence, it is not possible to continue the CICS initialization. The CICS system which tried and failed to perform the GETMAIN terminates.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHZRPL
XMEOUT Parameter: applid
DFHSI1576 applid Unable to find VTAM ACB.

Explanation: An error was encountered during system initialization while attempting to find the VTAM ACB.

System Action: CICS continues to initialize, but VTAM is not available.

User Response: If you do not require VTAM support, this message can be ignored.

If you have VTAM installed on your system, check that VTAM=YES is specified in the system initialization parameter. If VTAM=YES is specified, investigate why VTAM is not currently available on your system.

Destination: Console
Module: DFHSIF1
XMEOUT Parameter: applid

DFHSI1578D applid PLTPI specified cannot be found. Reply ‘GO’ or ‘CANCEL’.

Explanation: The post-initialization program list table (PLTPI) cannot be found because the PLT does not exist in the CICS program library.

System Action: If the response is ‘CANCEL’, CICS is terminated.
If the response is ‘GO’, processing continues without PLT processing.

User Response: Respond ‘GO’ or ‘CANCEL’.

Destination: Console
Module: DFHSIPLT
XMEOUT Parameter: applid

DFHSI1579D applid Module modname PLT | connection program programe not found. Reply ‘GO’ or ‘CANCEL’.

Explanation: This message indicates that either a program defined in the post-initialization program list table (PLTPI) cannot be found, or a connection program used when connecting to DBCTL, DB2 or MQ cannot be found. The attempt to invoke a connection program results from coding DBCTLCON=YES, or DB2CONN=YES, or MQCONN=YES in the SIT.

For PLT programs, if the message is issued during the first PLT phase in initialization, the program does not exist in the CICS program library. If the message is produced during the post-initialization PLT phase, the program did not have an installed program entry or was not found in the CICS program library.

For connection programs, the program did not have an installed program entry or was not found in the CICS program library.

modname indicates which of the modules issued the message.
programe is the name of the program which cannot be found.

System Action: If the response is ‘CANCEL’, CICS is terminated.
If the response is ‘GO’, the program is bypassed.

User Response: Reply ‘CANCEL’ or ‘GO’.

Destination: Console
Module: DFHSIPLT
XMEOUT Parameters: applid, modname, {1= PLT , 2= connection }, programe

DFHSI1580D applid PLT | Connection program program-name has abended, code abcode. Reply ‘GO’ or ‘CANCEL’.

Explanation: CICS was processing either the initialization program list table (PLT) when the PLT program program-name abended with abend code abcode, or was processing connection program program-name and it abended with abend code abcode.

System Action: If the response is ‘CANCEL’, CICS is terminated.
If the response is ‘GO’, the program is bypassed.

User Response: Reply ‘CANCEL’ or ‘GO’.

Destination: Console
Module: DFHSIPLT
XMEOUT Parameters: applid, {1=PLT, 2= Connection }, program-name, abcode

DFHSI1582 applid Local DLI PSBs present in the PDIR. CICS does not support local DLI.

Explanation: CICS has detected that local PSBs are present in the user specified PDIR. CICS no longer supports local DLI. A PDIR is only required for remote DLI, and must contain only remote PSB definitions. A PDIR is not required for DBCTL.

System Action: A CICS abend dump is produced, and CICS is terminated.

User Response: If remote DLI is required, correct the PDIR by removing the local PSBs. Then reassemble and relinkedit the PDIR, and resubmit the CICS job.
If remote DLI support is not required, change the system initialization table (SIT) to specify PDIR=NO.

Destination: Console
Module: DFHSIH1
XMEOUT Parameter: applid

DFHSI1589 applid VTAM is not currently active.

Explanation: CICS initialization cannot OPEN the VTAM access method control block (ACB) because VTAM is not active.

System Action: If this is an alternate system, CICS waits for 15 seconds and retries the OPEN indefinitely.
If this is not an alternate system, CICS proceeds with the rest of initialization. The Open VTAMRetry transaction COVR is attached, and retries the OPEN every 5 seconds for ten minutes.

User Response: In the case of an alternate, check that VTAM is on its way up. If it is not, you can cancel this alternate.

Destination: Console
Module: DFHSIF1
XMEOUT Parameter: applid

DFHSI1590 applid XRF alternate cannot proceed without VTAM.

Explanation: CICS initialization cannot OPEN the VTAM access method control block (ACB). The ACB error code may be found in the preceding message DFHSI1572.

System Action: CICS is terminated with a dump.

User Response: Refer to DFHSI1572 and use the information to try and resolve the causes of the errors.

Destination: Console
Module: DFHSIF1
XMEOUT Parameter: applid
DFHSI1592  applid CICS applid not (yet) active to VTAM.
Explanation: CICS initialization cannot OPEN the VTAM access method control block (ACB) because VTAM does not recognize the APPLID (VTAM error X'5A'). There may be a user error in the value of APPLID (for example, on a SIT override) or the application subarea containing APPLID may not be active in VTAM. Alternatively, it may be possible that VTAM is still coming up. If so, the problem may correct itself when VTAM completes its initialization.
System Action: If this is an alternate CICS, wait for 15 seconds and retry the OPEN indefinitely. If this is not an alternate, CICS proceeds with the rest of initialization.
User Response: In the case of an alternate, check that VTAM is on its way up. If it is, check that the required application sub-area is active in VTAM. If it is, you may cancel this alternate. If this is not an alternate, you can use CEMT to retry the OPEN when CICS has initialized.
Destination: Console
Module: DFHSIF1
XMEOUT Parameter: applid

DFHSI1594  applid A xxxx level of module progname is being loaded.
Explanation: The system is loading a level of module progname that was not assembled against the current level of CICS in the CICS Transaction Server product. The level xxxx shows the level of the module being used.
System Action: System initialization continues.
User Response: Ensure that it is valid to use an old level of module progname. Usually, it will be necessary to reassemble the module for the current level of CICS being used.
Destination: Console
Module: DFHAPSIP
XMEOUT Parameters: applid, xxxx, progname

DFHSI1596  applid Nucleus module progname cannot be located.
Explanation: Nucleus module progname was not found in the CICS library while loading the nucleus.
System Action: The AP domain initialization routines continue to attempt to load the remaining nucleus modules. After trying to load all the nucleus modules, CICS is terminated.
User Response: Add the missing module progname to the appropriate library and restart CICS.
Destination: Console
Modules: DFHAPSIP, DFHSID1
XMEOUT Parameters: applid, progname

DFHSI1784  applid The user shutdown assist transaction tranid has not been defined as a shutdown enabled local transaction.
Explanation: This message is issued during CICS initialization and indicates that the user shutdown assist transaction specified on the system initialization table (SIT) has not been defined as a shutdown enabled local transaction.
System Action: No action is taken. A TRANSIDERR may be returned on PERFORM SHUTDOWN.
User Response: Do one of the following:
- Correct the shutdown transaction definition.
- Change or remove the SIT SDTRAN option.
- Use the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option.
Destination: Console
Module: DFHSIJ1
XMEOUT Parameters: applid, tranid

DFHSI2810  applid CANCEL reply received. CICS is terminating.
Explanation: A CANCEL reply has been received.
System Action: CICS terminates.
User Response: Refer to previous messages to determine what action to take.
Destination: Console
Modules: DFHSII1, DFHSIPLT, DHAMPIL
XMEOUT Parameter: applid
DFHSI2813  applid Program DFHRCEX cannot be found.

Explanation:  CICS cannot find DFHRCEX in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action:  CICS initialization terminates with a dump.

User Response:  To correct this error, place DFHRCEX in a partitioned data set in the DFHRPL DD statement.

Destination:  Console

Module:  DFHSIJ1

XMEOUT Parameter:  applid

DFHSI8420I  applid About to link to PLT programs during the second stage of initialization.

Explanation:  CICS is about to link to the user PLT programs defined in the PLTPPI system initialization parameter during the second stage of initialization.

System Action:  Control is passed to the user PLT programs.

User Response:  None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination:  Console

Module:  DFHSIPLT

XMEOUT Parameters:  applid, resmanager

DFHSI8424I  applid Control returned from PLT programs during the second stage of initialization.

Explanation:  Control is returned to CICS to continue system initialization.

System Action:  Control is returned to CICS.

User Response:  None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination:  Console

Module:  DFHSIPLT

XMEOUT Parameters:  applid, resmanager

DFHSI8440I  applid Initiating connection to resmanager.

Explanation:  CICS is about to connect to the specified resource manager immediately prior to running PLT programs during the third stage of initialization. The resource manager is DBCTL, DB2 or MQ. Connection is initiated because DBCTLCON=YES, or DB2CONN=YES, or MQCONN=YES was specified in the SIT.

System Action:  Control is passed to the resource manager connect program.

User Response:  None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination:  Console

Module:  DFHSIPLT

XMEOUT Parameters:  applid, resmanager

DFHSI8441I  applid Connection to resmanager qualifier successfully completed.

Explanation:  CICS has successfully connected to the specified resource manager immediately prior to running PLT programs during the third stage of initialization. The resource manager name is shown along with the resource manager qualifier.

System Action:  CICS processing continues.

User Response:  None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination:  Console

Module:  DFHSIPLT

XMEOUT Parameters:  applid, resmanager, qualifier

DFHSI8442  applid Connection to resmanager has failed.

Explanation:  CICS was unable to connect to resource manager resmanager immediately prior to running PLT programs during the third stage of initialization. The resource manager is DBCTL, DB2 or MQ. Connection was initiated because DBCTLCON=YES, or DB2CONN=YES, or MQCONN=YES was specified in the SIT.

System Action:  CICS processing continues.

User Response:  Refer to previous messages issued by CICS or the resource manager adapter to determine why the connection attempt failed.

Destination:  Console

Module:  DFHSIPLT

XMEOUT Parameters:  applid, resmanager

DFHSI8443  applid Connection to resmanager not completed.  Adapter is awaiting initialization of resmanager.

Explanation:  CICS was unable to complete connection to resource manager resmanager immediately prior to running PLT programs during the third stage of initialization. The resource manager is DBCTL, DB2 or MQ. Connection was initiated because DBCTLCON=YES, or DB2CONN=YES, or MQCONN=YES was specified in the SIT.

The resource manager adapter is waiting for the resource manager to be initialized.

System Action:  CICS processing continues. The connection is completed when the resource manager is initialized.
DFHSKxxxx messages

DFHSK1101 applid General purpose subtask terminated abnormally - system completion code = X'xxxx'
Explanation: A subtask attached by DFHSKP has completed abnormally.
System Action: CICS continues in degraded mode.
User Response: Find out why the subtask failed. xxxx is the operating system completion code.
Destination: Console
Module: DFHSKP
XMEOUT Parameters: applid, X'xxxx'

DFHSK1102 applid Unable to attach general purpose subtask - system return code = X'xxxx'
Explanation: DFHSKP has attempted to attach an operating system subtask. The ATTACH has failed.
System Action: CICS continues in degraded mode.
User Response: Find out why the attach failed. xxxx is the operating system completion code.
Destination: Console
Module: DFHSKP
XMEOUT Parameters: applid, X'xxxx'

DFHSK1103 applid ESTAE macro failed in general purpose subtask - system return code = X'xxxx'
Explanation: A general purpose subtask issued an MVS ESTAE macro. xxxx is the nonzero response from MVS.
System Action: CICS continues in degraded mode.
User Response: Find out why the macro failed (this is a failure in MVS). Response code is output with the message.
Destination: Console
Module: DFHSKP
XMEOUT Parameters: applid, X'xxxx'

DFHSK1104I applid General purpose subtask terminated because error threshold has been reached
Explanation: A general purpose subtask has failed several times while executing its own code. CICS has terminated the task.
System Action: CICS continues in degraded mode.
User Response: Find out why the subtask failed.
Destination: Console
Module: DFHSKP
XMEOUT Parameter: applid

DFHSK1106I applid Unable to authorize a general purpose subtask - RC=nn
Explanation: The CICS subtask program issued the CICS SVC to CICS authorize the TCB of an MVS subtask. The SVC returned the error response code nn. The possible values of nn and their meanings are:

<table>
<thead>
<tr>
<th>nn</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>SVC service is not authorized.</td>
</tr>
<tr>
<td>02</td>
<td>Load of DFHASV failed.</td>
</tr>
<tr>
<td>03</td>
<td>Internal error in CICS SVC.</td>
</tr>
<tr>
<td>04</td>
<td>Internal error in CICS SVC.</td>
</tr>
<tr>
<td>10</td>
<td>DFHAUTH TYPE=CHECK macro failed.</td>
</tr>
<tr>
<td>14</td>
<td>Invalid TCB address passed to DFHASV.</td>
</tr>
<tr>
<td>18</td>
<td>DFHAUTH TYPE=CHECK macro failed.</td>
</tr>
<tr>
<td>20</td>
<td>Main task AFCB version is too large for the SVC version in use.</td>
</tr>
<tr>
<td>24</td>
<td>Main task AFCB version is too large for the SVC version in use.</td>
</tr>
</tbody>
</table>

Other The SVC has not been defined and installed as described in the CICS Transaction Server for OS/390 Installation Guide.

DFHSMxxxx messages

DFHSM0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.
Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.
The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).
System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.
CICS dump is taken, unless you have specifically suppressed dumps in the dump table.
CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.
Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHSMAD, DFHSMAR, DFHSMCK, DFHSMDM, DFHSMGF, DFHSMMC1, DFHSMMC2, DFHSMMF, DFHSMMG, DFHSMPQ, DFHSMPQ, DFHSMSR, DFHSMST, DFHSMSU, DFHSMSY

XMEOUT Parameters: applid, aaa/xxxx, X'offset', modname

DFHSM0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies the error which is and where the error was detected.

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHSMMC1, DFHSMST

XMEOUT Parameters: applid, X'offset', modname

DFHSM0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHSMMC1, DFHSMST

XMEOUT Parameters: applid, X'offset', modname

DFHSM0006 applid Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

Explanation: An MVS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code mvscode is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code X'code'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.
Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

See the CICS Trace Entries for a description of the exception trace point ID, X’code’ and the data it contains.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

Try decreasing the limits of the CICS dynamic storage areas (DSAs), or increasing the MVS region size. You can vary the CICS DSAs dynamically using the DSALIM and EDSALIM parameters on the CEMT master terminal command. To increase the MVS region size you must bring CICS down and change the MVS JCL REGION parameter.

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameters:** applid, X'code', modname, mvscode

---

**DFHSM0102 applid A storage violation (code X'code') has been detected by module modname.**

**Explanation:** A storage violation has been detected by module modname. The code X’code’ is the exception trace point ID which uniquely identifies the type of storage violation.

**System Action:** An exception entry (X’code’ in the message) is made in the trace table. Use the exception trace point ID, X’code’, to investigate the cause of the storage violation. A description of the exception trace point ID, and the data it contains, is in the CICS Trace Entries. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If you have enabled storage recovery (by specifying the system initialization parameter STGRCVY=YES), CICS attempts to repair the storage violation. Otherwise, the storage is left unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Use the exception trace point ID, X’code’, to investigate the cause of the storage violation. See the CICS Trace Entries for a description of the exception trace point ID and the data it contains.

**Destination:** Console

**Modules:** DFHSMAR, DFHSMCK, DFHSMGF, DFHSMMC2, DFHSMMF

**XMEOUT Parameters:** applid, X'code', modname

---

**DFHSM0103 applid A storage violation (code X'code') has been detected by the storage violation trap. Trap is now inactive.**

**Explanation:** A storage violation has been detected by the storage violation trap, which may be enabled via the CHKSTSK or the CHKSTRM system initialization parameters or via the CSFE transaction. The code X’code’ is the exception trace point ID which uniquely identifies the type of storage violation detected.

**System Action:** CICS disables the storage violation trap. An exception entry (X’code’ in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If you have enabled storage recovery (by specifying the system initialization parameter STGRCVY=YES), CICS attempts to repair the storage violation. Otherwise, the storage is left unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**Note:** Even if CICS is able to repair the storage, the storage violation trap still remains inactive.

**User Response:** Use the exception trace point ID, X’code’, to investigate the cause of the storage violation. See the CICS Trace Entries for a description of the exception trace point ID and the data it contains.

**Destination:** Console

**Module:** DFHSMCK

**XMEOUT Parameters:** applid, X'code'

---

**DFHSM0113I applid Storage protection is not active.**

**Explanation:** This is an informatory message stating that storage protection has not been requested (STGPROT=NO) and is not in effect for this execution of CICS.

**System Action:** CICS continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGGLVL=0. Storage protection can be enabled by specifying the system initialization parameter STGPROT=YES.

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameter:** applid

---

**DFHSM0114 applid Storage protection was requested but the support is not available. Storage protection is not active.**

**Explanation:** This is an informatory message stating that although storage protection was requested, it is not in effect for this execution of CICS because the necessary hardware and/or operating system support is not available.

**System Action:** CICS continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameter:** applid
**DFHSM0115I applid Storage protection is active.**

**Explanation:** This is an informatory message stating that storage protection is requested (STGPROT=YES) and is in effect for this execution of CICS.

**System Action:** CICS continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGVLVL=0.

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameter:** applid

**DFHSM0120I applid Reentrant programs will not be loaded into read-only storage.**

**Explanation:** This is an informatory message stating that reentrant programs will not be loaded into read-only storage for this execution of CICS. This is because RENTPGM=NOPROTECT was specified as a system initialization parameter.

**System Action:** CICS continues.

**User Response:** None.

You should not specify RENTPGM=NOPROTECT unless you wish to deliberately overwrite programs (to set breakpoints while testing, for example).

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameter:** applid

**DFHSM0122I applid Limit of DSA storage below 16MB is dsalimitK.**

**Explanation:** This message gives the limit dsalimit of the dynamic storage area (DSA) below 16MB.

**System Action:** CICS continues.

**User Response:** None. You can suppress this message with the message level system initialization parameter, MSGVLVL=0.

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameters:** applid, dsalimit

**DFHSM0123I applid Limit of DSA storage above 16MB is edsalimitM.**

**Explanation:** This message gives the limit edsalimit of the dynamic storage area (DSA) above 16MB.

**System Action:** CICS continues.

**User Response:** None. You can suppress this message with the message level system initialization parameter, MSGVLVL=0.

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameters:** applid, edsalimit

**DFHSM0124 applid Transaction isolation was requested but the support is not available or storage protection is not active. Transaction isolation is not active.**

**Explanation:** The combination of system initialization parameters STGPROT(NO) and TRANISO(YES) is invalid. During a warm or emergency start of CICS, the catalogued system initialization parameters are incompatible with a SIT override. Although transaction isolation was requested, it is not in effect for this execution of CICS because the necessary hardware and/or operating system support is not available, and/or storage protection is not active.

**System Action:** CICS continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameter:** applid

**DFHSM0125I applid Transaction isolation is active.**

**Explanation:** Transaction isolation is requested (TRANISO=YES) and is in effect for this execution of CICS.

**System Action:** CICS continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGVLVL=0.

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameter:** applid

**DFHSM0126I applid Transaction isolation is not active.**

**Explanation:** Transaction isolation has not been requested (TRANISO=NO) and is not in effect for this execution of CICS.

**System Action:** CICS continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGVLVL=0.

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameter:** applid

**DFHSM0127 applid Insufficient storage to allocate requested size for DSA limit storage below 16MB (dsalimitK).**

**Explanation:** CICS has issued an MVS GETMAIN for the requested limit dsalimit of DSA storage below 16MB, but the GETMAIN request failed.

**System Action:** If the requested size is greater than the default, CICS reissues the MVS GETMAIN request using the default size for the DSALIM parameter.

If the requested size is not greater than the default, the storage manager makes an exception entry in the trace table. An error return code is sent to the domain manager DFHDMMDM (the caller of the storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

**User Response:** Ensure that the DSALIM system initialization parameter is specified correctly.

Ensure that the REGION parameter for the CICS job is large enough.
See the OS/390 MVS JCL Reference for further information about specifying storage on the REGION parameter.

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameters:** applid, dsalimit

---

**DFHSM0128** applid Insufficient storage to allocate requested size for DSA limit storage above 16MB (dsalimit).

**Explanation:** CICS has issued an MVS GETMAIN for the requested limit dsalimit of DSA storage above 16MB, but the GETMAIN request failed.

**System Action:** If the requested size is greater than the default, CICS reissues the MVS GETMAIN request using the default size for the EDSALIM parameter.

If the requested size is not greater than the default, the storage manager makes an exception entry in the trace table. An error return code is sent to the domain manager DFHDMDM (the caller of the storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

**User Response:** Ensure that the REGION parameter for the CICS job is large enough.

See the OS/390 MVS JCL Reference for more information about specifying storage on the REGION parameter.

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameters:** applid, dsalimit

---

**DFHSM0129** applid Insufficient storage to allocate default size for DSA limit storage below 16MB (dsalimit).

**Explanation:** Following message DFHSM0127, CICS has reduced the MVS GETMAIN request to the default size for the DSALIM system initialization parameter but the GETMAIN request has still failed.

**System Action:** The storage manager makes an exception entry in the trace table.

An error return code is sent to the domain manager, DFHDMDM, (the caller of storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

**User Response:** See DFHSM0127 for further information.

Ensure that the REGION parameter for the CICS job is large enough.

See the OS/390 MVS JCL Reference for more information about specifying storage on the REGION parameter.

**Destination:** Console

**Module:** DFHSMDM

**XMEOUT Parameter:** applid

---

**DFHSM0132** applid CICS is no longer short on storage below 16MB.

**Explanation:** The short on storage condition reported by message DFHSM0131 has ceased.

**System Action:** CICS continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHSMSY

**XMEOUT Parameter:** applid

---

**DFHSM0133** applid CICS is under stress (short on storage above 16MB).

**Explanation:** There is a shortage of storage in one of the dynamic storage areas (DSAs) above 16MB. Either the largest free area in one of the DSAs is less than the size of the internally defined cushion for that DSA, or there is at least one transaction suspended due to insufficient contiguous free storage.

**System Action:** An exception entry is made in the trace table to record the event.

CICS continues to operate but takes steps to alleviate the situation by, for example, slowing down the rate at which new tasks are started and by releasing storage occupied by programs which are not currently in use.

**User Response:** No immediate action is required. However, if the problem persists you could increase the value of the DSALIMIT parameter, if possible, or reduce the storage requirements below 16MB of your CICS system. For more information about how to do this, see the CICS Performance Guide.

**Destination:** Console

**Module:** DFHSMSY

**XMEOUT Parameter:** applid
DFHSM0134

started and by releasing storage occupied by programs which are not currently in use.

User Response: No immediate action is required. However, if the problem persists you could, if possible, increase the value of the EDSALIMIT parameter, or reduce the storage requirements of your CICS system above 16MB. For guidance on how to do this, see the CICS Performance Guide.

Destination: Console
Module: DFHSMMSY
XMEOUT Parameter: applid

DFHSM0134 applid CICS is no longer short on storage above 16MB.

Explanation: The short on storage condition reported by message DFHSM0133 has ceased.

System Action: CICS continues.
User Response: None.
Destination: Console
Module: DFHSMMSY
XMEOUT Parameter: applid

DFHSM0135 applid Insufficient storage to allocate the requested size of dsasizeK for the dsaname.

Explanation: CICS has attempted to allocate the requested size of dsasize for the dynamic storage area dsaname but there is insufficient storage to satisfy the request.

Note: The size of a dynamic storage area (DSA) below 16MB specified via the SIT override is rounded up to a multiple of 256KB (or 1MB for the UDSA if transaction isolation is in effect). The size of a DSA above 16MB specified via the SIT override is rounded up to a multiple of 1MB.

System Action: An error return code is sent to the domain manager, DFHDMDM (the caller of storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

User Response: Either reduce the value specified in the DSASZE parameter, or increase the value specified in the DSALIM parameter.

Destination: Console
Module: DFHSMMDM
XMEOUT Parameters: applid, dsasize, dsaname

DFHSM0136i applid The size of the dsaname was specified as dsasizeK.

Explanation: This is an informatory message giving the size dsasize of the dynamic storage area (DSA) dsaname.

System Action: CICS continues.
User Response: None. You can suppress this message with the message level system initialization parameter, MSGGLVL=0.

Destination: Console
Module: DFHSMMDM
XMEOUT Parameters: applid, dsaname, dsasize

DFHSM0300 DFHSMUTL ERROR REPORT

Explanation: This is the report from the local catalog storage manager domain subpool record manipulation program.

DFHSMUTL. A number of lines may be written to the report:

DFHSM0300 DFHSMUTL REPORT
Report header.
ADD SUBPOOL=xxxxxxxx PROCESSED SUCCESSFULLY
ADD SUBPOOL=xxxxxxxx has been processed successfully.
DEL SUBPOOL=xxxxxxxx PROCESSED SUCCESSFULLY
DEL SUBPOOL=xxxxxxxx has been processed successfully.
FOUND DFHLCD RECORD SMSUBPOL=xxxxxxxx
Subpool record found by the LST command.
ERROR OPENING DFHLCD
An error has occurred opening the local catalog data set.
The program is terminated.
UNRECOGNISED VERB xxx IN INPUT
Only ADD, DEL and LST are allowed. The statement is ignored.
UNRECOGNISED OPERAND xxxxxxx IN INPUT
Only ADD SUBPOOL=xxxxxxxx or DEL SUBPOOL=xxxxxxxx are allowed. The statement is ignored.
ERROR PROCESSING 'ADD SUBPOOL=xxxxxxxx'. R15 = X'yy'.
RPL FEEDBACK CODE = X'zz'. SEE DFSMS/MVS MACRO INSTRUCTIONS FOR DATA SETS
A VSAM error has occurred whilst processing an ADD SUBPOOL=xxxxxxxx command. For the meaning of the VSAM codes, refer to DFSMS/MVS Macro Instructions for Data Sets, SC26-4913. The program is terminated.
ERROR PROCESSING 'DEL SUBPOOL=xxxxxxxx'. R15 = X'yy'.
RPL FEEDBACK CODE = X'zz'. SEE DFSMS/MVS MACRO INSTRUCTIONS FOR DATA SETS
A VSAM error has occurred whilst processing a DEL SUBPOOL=xxxxxxxx command. For the meaning of the VSAM codes, refer to DFSMS/MVS Macro Instructions for Data Sets, SC26-4913. The program is terminated.
END OF DFHSMUTL REPORT
Report trailer.

System Action: See Explanation.
User Response: If an error is reported, correct the cause and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHSMUTL

DFHSNxxxx messages

DFHSN0001 applid An abend (code aab/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.
The code aab/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring
Chapter 1. DFH messages

DFHSN0002 applid A severe error (code X'code') has occurred in program progname.

Explanation: CICS has detected a severe error while running module progname. This error is associated with exception trace point ID code. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System Action: The task issuing the signon abends.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHSNUS, DFHSNAS, DFHSNPU, DFHSNSU, DFHSNTU, DFHSNXR

XMEOUT Parameters: applid, X'offset', progname

DFHSN0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the description of the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHSNUS, DFHSNAS, DFHSNPU, DFHSNSU, DFHSNTU, DFHSNXR

XMEOUT Parameters: applid, aabbb, X'offset', modname

DFHSN1100 date time applid Signon at {netname | console | terminal | portname} by user userid in group groupid is complete.

Explanation: Terminal portname has been signed on. It now has the security attributes for userid in group groupid.

System Action: Processing continues.

User Response: The user at terminal portname can now use those CICS transactions permitted for this userid in group groupid.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid, groupid
**DFHSN1101**

**Explanation:** A signon has been issued from terminal `portname` which specified a userid `userid` that is not known to the ESM.

**System Action:** The signon request is rejected.

**User Response:** Unless this implies a breach of security that needs investigating, contact your security administrator so that the userid can be made known to the ESM.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid

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**DFHSN1102**

**Explanation:** A signon has been issued from terminal `portname` which specified an incorrect password.

This was probably caused by a misspelling of the password or because the password is not valid for this userid.

**System Action:** The signon request is rejected.

**User Response:** None, unless this implies a breach of security that needs investigating.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid

---

**DFHSN1103**

**Explanation:** A signon has been issued from terminal `portname` which used an unauthorized or damaged operator identification (OID) card.

**System Action:** The signon request is rejected.

**User Response:** None, unless this implies a breach of security that needs investigating.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid

---

**DFHSN1104**

**Explanation:** A signon has been issued from terminal `portname` which attempted to change the password to a value that the external security manager (ESM) does not allow.

**System Action:** The signon request is rejected.

**User Response:** None, unless this implies a breach of security that needs investigating.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid

---

**DFHSN1105**

**Explanation:** A signon has been issued from terminal `portname` which did not specify a password. The signon has been rejected because user `userid` requires a password.

**System Action:** The signon request is rejected.

**User Response:** None, unless this implies a breach of security that needs investigating.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid

---

**DFHSN1106**

**Explanation:** A signon has been issued from terminal `portname` for which the external security manager (ESM) indicates that one should have been used.

**System Action:** The signon request is rejected.

**User Response:** None.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid

---

**DFHSN1107**

**Explanation:** A signon has been issued from terminal `portname` which did not use an operator identification (OID) card when the external security manager (ESM) indicates the password has expired.

This does not imply a security breach. It is a normal response indicating that the ESM password has expired.

**System Action:** The signon request is rejected.

**User Response:** None.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid

---

**DFHSN1108**

**Explanation:** A signon has been issued from terminal `portname` and has been rejected by the external security manager (ESM).

**System Action:** The signon request is rejected.

**User Response:** The response and reason codes (`safresp` and `esmreas`) returned by the system authorization facility (SAF), and the response and reason codes (`esmresp` and `esmreas`) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE
REQUEST=EXTRACT macros. These return codes are described in
the OS/390 MVS Programming: Authorized Assembler Services
Guide and in External Security Interface (RACROUTE) Macro
Reference for MVS and VM (SC28-1366). See these manuals for
an explanation of the codes.

**Destination**: CICS

**Module**: DFHSNTU

**XMEOUT Parameters**: date, time, applid, {1=netname | 2=console
| 3=terminal }, portname, userid, X’safresps’, X’safreas’, X’esmresp’,
X’esmresas’

---

**DFHSN1112 date time applid Signon at {netname | console
| terminal }portname by user userid has failed because
the terminal has preset security.**

**Explanation**: A signon has been issued from terminal portname.
This terminal has been defined to CICS with fixed security
attributes. It does NOT support signon.

**System Action**: The signon request is rejected.

**User Response**: None, unless this implies a breach of security
that needs investigating.

**Destination**: CICS

**Module**: DFHSNTU

**XMEOUT Parameters**: date, time, applid, {1=netname | 2=console
| 3=terminal }, portname, userid

---

**DFHSN1113 date time applid Signon at {netname | console
| terminal }portname by user userid has failed because
the terminal was already signed on.**

**Explanation**: A signon has been issued from terminal portname
while a previous signon was still in effect for this terminal.

**System Action**: The signon request is rejected.

**User Response**: None, unless this implies a breach of security
which needs investigating.

**Destination**: CICS

**Module**: DFHSNTU

**XMEOUT Parameters**: date, time, applid, {1=netname | 2=console
| 3=terminal }, portname, userid

---

**DFHSN1114 date time applid Signon by user userid has failed
because there is no terminal associated with the
requesting task.**

**Explanation**: A signon has been issued by user userid from a
task that had been started without a terminal.

**System Action**: The signon request is rejected.

**User Response**: Investigate why a signon has been issued from
a task that is not associated with a terminal.

**Destination**: CICS

**Module**: DFHSNTU

**XMEOUT Parameters**: date, time, applid, userid

---

**DFHSN1115 date time applid Signon at {netname | console
| terminal }portname by user userid has failed. Signon
is not allowed at a surrogate terminal except by use of
the CRTE transaction.**

**Explanation**: CICS does not support the signing-on of surrogate
terminals, except when done during a CRTE routing session.

**System Action**: Processing continues.

**User Response**: Investigate how and why users are attempting to
use signon via transaction routing.

**Destination**: CICS

**Module**: DFHSNTU

**XMEOUT Parameters**: date, time, applid, {1=netname | 2=console
| 3=terminal }, portname, userid

---

**DFHSN1116 date time applid Signon at {netname | console
| terminal }portname by user userid has failed because
the national language to be used is not supported
in this run of CICS.**

**Explanation**: The national language specified has been
recognized as a valid IBM national language. However, either this
language cannot be specified as a valid national language for CICS
initialization, or CICS has not been initialized with this language in
the current run of CICS.

See the CICS Application Programming Reference for a list of
national languages that CICS can be initialized to use.

**System Action**: Signon fails.

**User Response**: Retry signon with a national language that CICS
has been initialized to use.

**Destination**: CICS

**Module**: DFHSNTU

**XMEOUT Parameters**: date, time, applid, {1=netname | 2=console
| 3=terminal }, portname, userid

---

**DFHSN1117 date time applid Signon at {netname | console
| terminal }portname by user userid has failed because
an invalid national language was selected.**

**Explanation**: Signon failed because the language specified was
not recognized as an IBM national language.

**System Action**: Signon fails.

**User Response**: Retry signon with a correct language value.

**Destination**: CICS

**Module**: DFHSNTU

**XMEOUT Parameters**: date, time, applid, {1=netname | 2=console
| 3=terminal }, portname, userid

---

**DFHSN1118 date time applid Signon at {netname | console
| terminal }portname by user userid has failed because
the user is not authorized to use the terminal.**

**Explanation**: A signon has been issued from terminal portname
which has failed. The user is not authorized to use the terminal.

**System Action**: The signon request is rejected.

**User Response**: Contact your security administrator, who should check if the user should be authorized to use terminal portname.

In particular, check if the user should be able to access the system on this particular day and time and whether the terminal may be used on this day and time.
DFHSN1119

Destination:  CICS
Module:  DFHSNTU
XMEOUT Parameters: date, time, applid, (1=netname, 2=console, 3=terminal), portname, userid

DFHSN1119 date time applid Signon at \{netname | console | terminal\} \{portname by user userid has failed because the user is not authorized to use application applname.

Explanation: A signon has been issued from terminal portname which has failed. The user is not authorized to use the application applname.

- If you are using the VTAM generic resource function, applname is the generic resource name specified in the GRNAME system initialization parameter.
- If you are using XRF, applname is the generic applid specified as the first operand of the APPLID system initialization parameter.
- Otherwise, applname is the application identifier specified as the single operand of the APPLID system initialization parameter.

System Action: The signon request is rejected.
User Response: Contact your security administrator, who should check whether the user should have authorization to use application applid.

Destination:  CICS
Module:  DFHSNTU
XMEOUT Parameters: date, time, applid, (1=netname, 2=console, 3=terminal), portname, userid

DFHSN11120 date time applid Signon at \{netname | console | terminal\} \{portname by user userid has failed because the \{userid | group access\} has been revoked.

Explanation: Either the userid, or the user’s access to the ESM group containing it, has been revoked by the ESM. This is usually the result of repeated attempts to signon with an invalid password.

System Action: The signon request is rejected.
User Response: For revoked userids, contact your security administrator who can reauthorize the revoked userid by issuing the ALTUSER RESUME function. For revoked group access, contact your security administrator who can restore the user’s access to the group by issuing the CONNECT RESUME function.

Destination:  CICS
Module:  DFHSNTU
XMEOUT Parameters: date, time, applid, (1=netname, 2=console, 3=terminal), portname, userid, \{userid, 2=group access\}

DFHSN1129 date time applid Signon at \{netname | console | terminal\} \{portname by user userid has failed because the user is already signed on elsewhere.

Explanation: A signon has been issued from terminal portname while the user is already signed on under the restrictions imposed by the current setting of the SNSCOPE system initialization parameter.

System Action: The signon request is rejected.
User Response: Investigate why users are attempting to signon twice within the current signon scope.

See the CICS System Definition Guide for more information about the SNSCOPE parameter.

Destination:  CICS
Module:  DFHSNTU
XMEOUT Parameters: date, time, applid, (1=netname, 2=console, 3=terminal), portname, userid

DFHSN1130 date time applid Signon at \{netname | console | terminal\} \{portname by user userid has failed because the userid was not found in the specified group.

Explanation: A signon has been issued from terminal portname which has failed. Either the userid is not in the specified group, or the group specified for this user to be associated with after signon is not known to the ESM.

System Action: The signon request is rejected.
User Response: Check that the groupid specified is correct. If it is, contact your security administrator to ensure that this group is defined properly, and that the user is connected to this group.

Destination:  CICS
Module:  DFHSNTU
XMEOUT Parameters: date, time, applid, (1=netname, 2=console, 3=terminal), portname, userid

DFHSN1131 date time applid Signon at \{netname | console | terminal\} \{portname by user userid has failed because security is not active in this CICS region.

Explanation: A signon has been issued from terminal portname which has failed. This is because this CICS region is running without security active.

System Action: The signon request is rejected.
User Response: None.

Destination:  CICS
Module:  DFHSNTU
XMEOUT Parameters: date, time, applid, (1=netname, 2=console, 3=terminal), portname, userid

DFHSN1132 date time applid Signon at terminal termid by user userid has failed because the terminal is a session.

Explanation: A signon has been issued from terminal termid which is a session. The security attributes of a session can only be changed on receipt of a valid FMH-5 attach header.

System Action: The signon request is rejected.
User Response: Investigate how and why users are attempting to use signon for a session.

Destination:  CICS
Module:  DFHSNTU
XMEOUT Parameters: date, time, applid, termid, userid

DFHSN1133 date time applid Signon at \{netname | console | terminal\} \{portname by user userid has failed because of an error during SNSCOPE checking.

Explanation: A signon has been issued from terminal portname. The SNSCOPE initialization parameter disallows signon to more than one terminal at a time. An internal failure during SNSCOPE checking means that CICS is unable to confirm if the user is already signed on elsewhere. The failure has occurred because the limit of concurrent MVS ENQ requests has been reached.
**System Action:** The signon request is rejected. Message DFHSU0120 will have been written to the console. See the explanation of this message for further information.

**User Response:** Please report this problem to your CICS systems programmer.

See the CICS System Definition Guide for more information about the SNSCOPE parameter.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid

**DFHSN1150**

date time applid Signon at TCAM pool by user userid in group groupid is complete.

**Explanation:** A TCAM pool of terminals has been signed on by user userid. All terminals in this TCAM pool now have the security attributes for user userid in group groupid.

**System Action:** Processing continues.

**User Response:** The user at any of these TCAM terminals can now use those CICS transactions permitted for this userid in group groupid.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, userid, groupid

**DFHSN1200**

date time applid Signoff at {netname | console | terminal }portname by user userid is complete. It transactions entered with nn errors.

**Explanation:** Terminal portname has been signed off. It now has the default security attributes.

nn indicates the number of errors which have occurred.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid, tt, nn

**DFHSN1111**

date time applid Signoff at terminal termid has failed because the terminal is a session.

**Explanation:** A signoff has been issued from terminal termid which is a session. The security attributes of a session can only be changed on receipt of a valid FMH-5 attach header.

**System Action:** The signoff request is rejected.

**User Response:** Investigate how and why users are attempting to use signoff for a session.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, termid

**DFHSN1212**

date time applid Signoff at {netname | console | terminal }portname has failed because the terminal has preset security.

**Explanation:** A signoff has been issued from terminal portname which has been defined to CICS with fixed security attributes and so does not support signoff.

**System Action:** The signoff request is rejected.

**User Response:** None, unless this implies a breach of security which needs investigating.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname

**DFHSN1213**

date time applid Signoff at {netname | console | terminal }portname has failed because the terminal was not signed on.

**Explanation:** A signoff has been issued from terminal portname while no previous signon was in effect.

**System Action:** The signoff request is rejected.

**User Response:** None, unless this implies a breach of security which needs investigating.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname

**DFHSN1214**

date time applid An attempted signoff has failed because there was no terminal associated with the requesting task.

**Explanation:** A signoff has been issued from a task that had been started without a terminal.

**System Action:** The signoff request is rejected.

**User Response:** Investigate why a signoff has been issued from a task that is not associated with a terminal.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid

**DFHSN1215**

date time applid Signoff at {netname | console | terminal }portname has failed. Signoff is not allowed at a surrogate terminal except by use of the CRTE transaction.

**Explanation:** CICS does not support the signing off of surrogate terminals, except when done during a CRTE routing session.

**System Action:** Processing continues.

**User Response:** Investigate how and why users are attempting to use signoff via transaction routing.

**Destination:** CSCS

**Module:** DFHSNTU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname
DFHSN1250 date time applid Signoff at TCAM pool is complete.
Explanation: A TCAM pool of terminals has been signed off. All terminals in this TCAM pool now have default security attributes.
System Action: Processing continues.
User Response: None.
Module: DFHSNTU
XMEOUT Parameters: date, time, applid

DFHSN1300 date time applid An attempt to reschedule BMS pages for operator opid at {netname | console | terminal | portname} has failed following a timeout.
Explanation: Operator opid has been timed out on terminal netname while viewing BMS pages. CICS has attempted to reschedule the pages so that they are available when the operator signs on again, but the reschedule has failed.
The pages are available on temporary storage queue X'hexqueueid'. This queue continues to exist until it is explicitly disposed of.
System Action: Processing continues.
User Response: If you still need to view this data, repeat the processing which created the BMS pages.
Module: DFHSNTU
XMEOUT Parameters: date, time, applid, opid, {1=netname, 2=console, 3=terminal, 4=portname, X'hexqueueid'}

DFHSN1400 date time applid Session signon for session session by user userid is complete.
Explanation: The two CICS systems are connected and the MRO/ISC session is given the security authority of user userid.
System Action: The MRO/ISC sessions are signed on.
User Response: None.
Module: DFHSNSU
XMEOUT Parameters: date, time, applid, session, userid

DFHSN1401 date time applid Session signon for session session by user userid has failed. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').
Explanation: An MRO/ISC signon is attempted but the signon has failed for the reason given.
System Action: The session is not signed on.
User Response: The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide, and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366). Consult the manuals to find the cause of the codes.
Module: DFHSNSU
XMEOUT Parameters: date, time, applid, session, userid

DFHSN1410 date time applid Session signoff for session session with default security attributes is complete.
Explanation: The two CICS systems are connected and the MRO/ISC session is given the security authority of the default user.
System Action: The MRO/ISC sessions are signed on.
User Response: None.
Module: DFHSNSU
XMEOUT Parameters: date, time, applid, session

DFHSN1500 date time applid Session signoff for session session is complete. It transactions entered with nn errors.
Explanation: An MRO/ISC session is signed-off.
nn indicates the number of abends which have occurred.
System Action: The security authority is removed from the session.
User Response: None.
Module: DFHSNSU
XMEOUT Parameters: date, time, applid, session, tt, nn

DFHSN1501 date time applid Session signoff for session session has failed. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').
Explanation: An MRO/ISC signoff is attempted but the signoff has failed for the reason given.
System Action: Processing continues.
User Response: The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide, and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366). Consult the manuals to find the cause of the codes.
Module: DFHSNSU
XMEOUT Parameters: date, time, applid, session, userid

DFHSN1604 date time applid Attach header session session at terminal termid by user userid has failed. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').
Explanation: User userid has failed the implicit signon for attach security.
System Action: The attach fails.
User Response: The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the...
RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide, and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366). Consult the manuals to find the cause of the codes.

**Destination:** CSCS

**Module:** DFHSNUS

**XMEOUT Parameters:** date, time, applid, userid, X'safresp', X'esmresp', X'esmreas'

---

**DFHSN1605**  
 date time applid Attach header signon at terminal termid has failed. SAF codes are (X'safresp',X'safreas'), ESM codes are (X'esmresp',X'esmreas').

**Explanation:** The implicit signon for local user security has failed.

**System Action:** The attach fails.

**User Response:** The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide, and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366). Consult the manuals to find the cause of the codes.

**Destination:** CSCS

**Module:** DFHSNUS

**XMEOUT Parameters:** date, time, applid, userid, X'safresp', X'esmresp', X'esmreas'

---

**DFHSN1606**  
 date time applid Attach header signoff at terminal termid has failed. SAF codes are (X'safresp',X'safreas'), ESM codes are (X'esmresp',X'esmreas').

**Explanation:** The implicit signoff for local user security has failed.

**System Action:** Processing continues.

**User Response:** The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide, and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366). Consult the manuals to find the cause of the codes.

**Destination:** CSCS

**Module:** DFHSNUS

**XMEOUT Parameters:** date, time, applid, userid, X'safresp', X'esmresp', X'esmreas'

---

**DFHSN1800**  
 date time applid Signon at {netname | console | terminal }portname by preset user userid in group groupid is complete.

**Explanation:** The user userid, specified for preset security terminal portname has been signed on to the external security manager (ESM).

**System Action:** The security attributes for this userid are used in all security requests issued against this terminal. The terminal is now PRESET with this userid for its entire duration.

**User Response:** None.

**Destination:** CSCS

**Module:** DFHSNPU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid, groupid

---

**DFHSN1801**  
 date time applid Signon at {netname | console | terminal }portname by preset user userid has failed. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

**Explanation:** The user userid, specified for a preset security terminal portname, could not be signed on to the external security manager (ESM).

**System Action:** The signon request is rejected and the terminal cannot be put in service.

**User Response:** The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide, and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366). Consult the manuals to find the cause of the codes.

**Destination:** CSCS

**Module:** DFHSNPU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid, groupid

---

**DFHSN1850**  
 date time applid Signoff at preset {netname | console | terminal }portname is complete.

**Explanation:** The preset security terminal portname has been signed off while the terminal was being deleted. Its security has been removed.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSCS

**Module:** DFHSNPU

**XMEOUT Parameters:** date, time, applid, {1=netname , 2=console , 3=terminal }, portname
**DFHSN1851**

**Explanation:**
The preset security terminal `portname`, could not be signed off while the terminal was being deleted.

**System Action:**
Processing continues.

**User Response:**
You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:**
Console

**Module:**
DFHSOCK

**XMEOUT Parameters:**
`applid`, `aaa/bbbb`, `X'offset'`, `modname`

---

**DFHSOxxxx messages**

**DFHSO0001**

**applid An abend (code `aaa/bbbb`) has occurred at offset `X'offset'` in module `modname`.

**Explanation:**
An abnormal end (abend) or program check has occurred in module `modname`. This indicates that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code `aaa/bbbb` is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37).

If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System Action:**
An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**User Response:**
Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

**Destination:**
Console

**Modules:**
DFHSOM, DFHSO, DFHSOCK, DFHSRD, DFHSOIS

**XMEOUT Parameters:**
`applid`, `X'code'`, `modname`

---

**DFHSO0004**

**applid A possible loop has been detected at offset `X'offset'` in module `modname`.

**Explanation:**
A possible loop has been detected in module `modname`. This is the offset of the instruction which happened to be executing at the time the error was detected.

**System Action:**
An exception entry is made in the trace table. A system dump is taken unless you have specifically suppressed the dump (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.
Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function, and there may not be an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval that you have specified in the ICVR system initialization parameter. This means that execution of module *modname* is terminated and CICS continues.

If you have specified system initialization parameter ICVR=0 and you consider that module *modname* is looping, you must terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the value of the ICVR system initialization parameter. You have to close down CICS at a suitable time to do this permanently. You can change the ICVR time interval temporarily online using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHSOCK, DFHSOSE

**XMEOUT Parameters:** *applid*, X’offset’, *modname*

---

**Explanation:** This is an informational message indicating that sockets domain initialization has started.

**System Action:** System initialization continues.

**User Response:** None. The message can be suppressed with the system initialization parameter MSGVLVL=0.

**Destination:** Console

**Module:** DFHSODM

**XMEOUT Parameter:** *applid*

---

**Explanation:** This is an informational message indicating that sockets domain initialization has ended.

**System Action:** System initialization continues.

**User Response:** None. The message can be suppressed with the system initialization parameter MSGVLVL=0.

**Destination:** Console

**Module:** DFHSODM

**XMEOUT Parameter:** *applid*

---

**Explanation:** An error has been detected in DFHSOCK. The error has been caused by a severe return code received from TCP/IP.

**System Action:** An exception entry X’code’ is made in the trace table. No system dump is taken, unless you have specifically requested a dump in the dump table.

**User Response:** This error could have been returned if TCP/IP had been shutdown, for example. The exception trace entry will tell you which service routine was called and the return values that were returned. Refer to the OS/390 OpenEdition Messages and Codes book to determine the cause of the error.

**Explanation:** The TCP/IP service tcpip service will be closed, and after the TCP/IP region has been restarted the closed TCP/IP service should be reopened. At this point normal work can resume on the TCP/IP service.

**Destination:** Console and Transient Data Queue CSOO

**Module:** DFHSOCK

**XMEOUT Parameters:** *date*, *time*, *applid*, X’code’, tcpip service, *portnumber*, *ipaddress*

---

**Explanation:** The program module *pgmname* could not be loaded. Secure Sockets Layer is not available.

**User Response:** If you wish to use STRONG encryption with the secure sockets layer, you must order and install the North American Secure Encryption feature. This OS/390 feature is only available in the United States of America and Canada.

**Explanation:** The ENCRYPTION=level system initialization parameter was specified, where level may be STRONG or NORMAL, but the necessary feature to implement it was not installed on your system.

**User Response:** If you have specified system initialization parameter ICVR=0 and you consider that module *modname* is looping, you must terminate CICS in order to terminate the runaway function.

**Explanation:** This is an informational message indicating that sockets domain initialization has started.

**System Action:** System initialization continues.

**User Response:** None. The message can be suppressed with the system initialization parameter MSGVLVL=0.

**Destination:** Console

**Module:** DFHSODM

**XMEOUT Parameter:** *applid*, *level*
DFHSO0105

**DFHSO0105** date time applid TCP/IP SERVICE tcpipservice has been opened on port portnumber at IP address ipaddress.

**Explanation:** The TCP/IP SERVICE tcpipservice has been opened on port portnumber at the IP address specified.

**System Action:** CICS continues.

**User Response:** None.

**Destination:** CSO

**Module:** DFHSOCK

**XMEOUT Parameters:** date, time, applid, tcpipservice, portnumber, ipaddress

---

**DFHSO0106** date time applid An OpenEdition Assembler Callable Service error (code X'code') has occurred in module modname.

**Explanation:** An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System Action:** An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**User Response:** This indicates a possible error in CICS code or the called Assembler Callable Service routine. The exception trace entry will tell you which service routine was called and the return values that were returned. Refer to the OS/390 OpenEdition Messages and Codes book to determine the cause of the error. The severity of its impact depends on the importance of the function being executed at the time of the error.

**System Action:** CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

**User Response:** If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

**Destination:** Console and Transient Data Queue CSO

**Module:** DFHSOCK

**XMEOUT Parameters:** date, time, applid, X'code', modname

---

**DFHSO0107** date time applid TCP/IP SERVICE tcpipservice has been opened on port portnumber at IP address ipaddress.

**Explanation:** The TCPIPSERVICE tcpipservice has been opened on port portnumber at the IP address specified.

**System Action:** CICS continues.

**User Response:** None.

**Destination:** CSO

**Module:** DFHSOCK

**XMEOUT Parameters:** date, time, applid, tcpipservice, portnumber, ipaddress

---

**DFHSO0108** date time applid TCP/IP SERVICE tcpipservice on port portnumber at IP address ipaddress has been closed.

**Explanation:** The TCPIPSERVICE tcpipservice on port portnumber on the specified IP address has been closed.

**System Action:** CICS continues.

**User Response:** None.

**Destination:** CSO

**Module:** DFHSOCK

**XMEOUT Parameters:** date, time, applid, tcpipservice, portnumber, ipaddress

---

**DFHSO0109** date time applid The TCPIPSERVICE tcpipservice could not be opened because the port portnumber is already in use on the IP address ipaddress.

**Explanation:** This message is issued when the open of a TCPIPSERVICE cannot be completed. The port number specified is already in use in combination with the IP address. By default, TCP/IP only allows one server to be listening on a port at any one time.

**Specifically,** this message is issued when the TCP/IP bind call fails with a return code of EADDRINUSE.

**System Action:** The TCPIPSERVICE does not open, but remains closed. An exception trace entry is written detailing the return values from the TCP/IP bind call. An application using the EXEC API to set the TCPIPSERVICE open receives an RESP(INVREQ) RESP2(9).

**User Response:** Check that there are no other TCPIPSERVICES open using the same port number and IP address as the failing one. If there is another TCPIPSERVICE open using the port, it must be closed before the new one can be opened.

---
If no TCPIPSERVICES are using the requested port, there may be another OS/390 application acting as a TCP/IP server already listening on the port. For example, the Lotus Go for OS/390 web server may be installed and running on port 80 on the same TCP/IP stack as CICS. Attempting to open a TCPIPSERVICE on port 80 will fail. Use the TSO command NETSTAT to display TCP/IP servers on the system. Choose an unused port for the TCPIPSERVICE.

If your OS/390 system has more than one TCP/IP stack you may specify another stack's IP address on the TCPIPSERVICE definition. This will allow you to install multiple TCPIPSERVICES each using the same port number. You may also configure support in TCP/IP for virtual IP addresses on a single system. This will also allow more than one TCPIPSERVICE to share the same port.

Finally, TCP/IP for OS/390 can be configured with port sharing. This allows multiple servers (TCPIPSERVICES) to use the same port with TCP/IP using load balancing to direct incoming connections to the set of servers on the port. With this enabled, multiple TCPIPSERVICES can each be opened on the same IP address with the same port.

Destination: CSOO
Module: DFHSOCK
XMEOUT Parameters: date, time, applid, tcpipservice, portnumber, ipaddress

DFHSO0110 date time applid The TCPIPSERVICE tcpipservice cannot be opened on the IP address ipaddress because the address is unknown to TCP/IP.
Explanation: Opening the TCPIPSERVICE has failed because the IP address specified on the definition is not known to TCP/IP.
This message is issued when the TCP/IP bind call fails with the return value of EADDRNOTAVAIL.
System Action: The IP address must be a valid address known to TCP/IP. It is possible to configure multiple TCP/IP stacks for a single OS/390 system, or to have virtual IP addresses on a single stack. If the system only has one IP address then the IP address field of the TCPIPSERVICE definition can be left blank, or filled with the string INADDR_ANY. This causes the bind to use the default IP address for the system. To use an alternative, a valid address must be specified.
User Response: Check that the address specified on the TCPIPSERVICE definition is known to TCP/IP on the system. If it is not, then consult the OS/390 TCP/IP OpenEdition: Configuration Guide for information on defining IP address.
Destination: CSOO
Module: DFHSOCK
XMEOUT Parameters: date, time, applid, tcpipservice, portnumber, ipaddress

DFHSO0111 date time applid Opening the TCPIPSERVICE tcpipservice has failed because the region userid is not authorized to bind to port portnumber.
Explanation: Opening the TCPIPSERVICE has failed because the userid of the region is not authorized to use the port number specified.
Binding to port numbers below 1024 requires configuration directives in the TCP/IP configuration files, or the userid to have root authority. It is also possible to explicitly associate userids with port numbers in the TCP/IP configuration files, thus port numbers greater than 1024 may be unavailable to an unauthorized userid.
This message is issued when the TCP/IP bind call fails with a return value of EPERM.
System Action: The TCPIPSERVICE is not opened. If an application has used the EXEC API to open the TCPIPSERVICE, it receives RESP(INVRQ) RESP2(3) values.
User Response: The CICS region's userid must be authorized to open the specified port. Consult the S/390 TCP/IP OpenEdition: Configuration Guide for details on how to do this.
Destination: CSOO
Module: DFHSOCK
XMEOUT Parameters: date, time, applid, tcpipservice, portnumber

DFHSOIS date time applid TCP/IP function gethostbyname function cannot be resolved by the gethostbyname function.
Explanation: CICS has issued the TCP/IP function gethostbyname to resolve the IP address ip_address to a host name, but the call failed.
System Action: An exception trace entry is made. CICS will continue to attempt to access the name server for subsequent requests.
User Response: The gethostbyname function will usually perform a name server reverse lookup to resolve the IP address into a host name. This can fail if CICS is unable to contact a name server, or the name server does not know the correct host name to IP address mapping.
Check that the name server defined to TCP/IP in the /etc/resolv.conf file is valid and responding correctly. You can issue the TSO NSLOOKUP command to query the name server. If a SYSTCPD DD name has been defined in the CICS job, check that the file it references correctly defines the name server. If the name server is defined correctly to CICS then contact the administrator to determine why the IP address lookup has failed.
Destination: Console
Module: DFHSOIS
XMEOUT Parameters: applid, ip_address
The TCP/IP listener task has received a connection from a client but the attach for the transaction associated with the TCPIPSERVICE definition has failed. The associated transaction may not have been installed or the TCPIPSERVICE definition could have specified the wrong transaction.

System Action: The TCPIPSERVICE that is defined on the port that the connection arrived on is closed. The socket accepted for the client is closed.

User Response: Determine why the attach for the transaction has failed. Correct the error and re-open the TCPIPSERVICE.

Destination: CSOO
Module: DFHSOCK
XMEOUT Parameters: date, time, applid, transaction, tcpipservice

The group name has been registered with Work Load Manager. The TCP/IP host name becomes available for clients to use to access the CICS system, and any others that have registered with the named group name.

System Action: CICS has issued the Work Load Manager macro IWMSRDRS to register the specified group name for DNS connection optimization. This occurs when a TCPIPSERVICE begins with a 'D'. The new generic TCP/IP host name becomes available for clients to use to access the CICS system.

The group name registered is taken from a combination of part of the name of the TCPIPSERVICE and the transaction defined for the TCPIPSERVICE. Any characters of the name following a dot '.' are concatenated onto the transaction identifier to form the group name. For example, a TCPIPSERVICE has the name D1.CICS and is defined with the transaction IIOP (The IIOP transaction being an alias of the CICS supplied CIOR transaction). The group name generated is 'CICSIIOP'. If the TCPIPSERVICE name does not contain a dot, then only the transaction identifier is used. For example, a TCPIPSERVICE with a name of 'DYNWEB' and a transaction of WWW will generate a registration for the group 'WWW'.

The group name registered effectively becomes a new name in the sysplex TCP/IP domain. When multiple CICS systems in a sysplex each register with the same group name, the DNS server uses Work Load Manager to resolve the group name into one of the IP addresses of the associated systems. If the IP address returned is that of the system that is most eligible according to Work Load Manager's load balancing rules. For example, two OS/390 systems in a sysplex are mvs1.plex.hursley.ibm.com and mvs2.plex.hursley.ibm.com; and on each system, CICS registers with the group name cicsiop. The new name cicsiop.plex.hursley.ibm.com is dynamically known to the DNS name servers tables. Client TCP/IP applications can use this name instead of the name of one of the specific OS/390 images. When a client resolves the name to an IP address using the DNS, it will get the IP address of the most eligible system. Since the DNS dynamically knows when systems register and deregister, additional CICS systems can be registered as required to expand the list of available IP addresses returned for a group name. If a system fails, its IP address will be removed from the DNS server's list of associated addresses for any groups with which it was registered.

User Response: No user action is necessary.
Destination: CSOO
Module: DFHSOCK
XMEOUT Parameters: date, time, applid, groupname, genericname

The group name has been deregistered from Work Load Manager.

System Action: The Work Load Manager IWMSRDRS call is made to deregister the group name. This will remove the IP address of the system from the DNS servers table associated with the group name.

If more than one open TCPIPSERVICE share the same group name, then the WLM deregistration only occurs when the last one is closed.

User Response: Check the availability of the name server.
Destination: CSOO
Module: DFHSOCK
XMEOUT Parameters: date, time, applid, groupname

OpenEdition has returned a non-zero return code/reason code X'retcode', X'rc'.

Explanation: OpenEdition has returned a non-zero return code/reason code for the gethostname call during Listener initialization or has returned a blank hostname.

System Action: Listener initialization continues.
User Response: Determine the reason for the gethostname failure. The return code and reason code included in the message text are described in the OS/390 UNIX System Services Messages and Codes manual.

Destination: Console
Module: DFHSOCK
XMEOUT Parameters: applid, X'retcode', X'rc'

OpenEdition return code X'retcode', reason code X'rc'.

Explanation: OpenEdition return code X'retcode', reason code X'rc'

System Action: Listener initialization continues.
User Response: Determine the reason for the gethostname failure. The return code and reason code included in the message text are described in the OS/390 UNIX System Services Messages and Codes manual.

Destination: Console
Module: DFHSOCK
XMEOUT Parameters: applid, X'retcode', X'rc'

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OpenEdition activation continues, but this service is not registered with WLM DDNS.
# DFHSO0120

## Module: DFHSOCK

### XMEOUT Parameters: applid, servicename, hostname

### DFHSO0120 applid numtcbs TCBs are initialized for SSL processing.

#### Explanation:
The specified number (numtcbs) of TCBs have been attached and initialized to perform Secure Sockets Layer processing for CICS.

#### System Action:
CICS can handle numtcbs simultaneous SSL sessions.

#### User Response:
None.

#### Module: DFHSOSE

### XMEOUT Parameters: applid, numtcbs

### DFHSO0121 applid No TCBs have been initialized for SSL processing. Secure Sockets Layer has been deactivated.

#### Explanation:
CICS requires at least one TCB to be successfully initialized to handle the TCP/IP Secure Sockets Layer, but it has been unable to initialize any.

#### System Action:
CICS cannot handle any SSL sessions, so attempts to open TCPIPSERVICEs which specify SSL(YES) or SSL(CLIENTAUTH) will fail.

#### User Response:
The REGION size of the CICS address-space is probably too small to allow CICS Secure Sockets Layer to be initialized. Restart CICS with a larger REGION size. None.

#### Module: DFHSOSE

### XMEOUT Parameter: applid

### DFHSO0122 date time applid SSL request from ipaddr on TCPIPSERVICE(service) rejected because of insufficient TCBs.

#### Explanation:
An Secure Sockets Layer connection from a client with address ipaddr was received on TCPIPSERVICE(service), but there were no available TCBs to process the request.

#### System Action:
The socket for the connection is closed. No message is sent to the client because the client expects the response to be encrypted by SSL, but SSL services cannot be provided.

#### User Response:
If this message occurs frequently, consider raising the value of the SSLTCBS system initialization parameter.

#### Module: DFHSOSE

### XMEOUT Parameters: date, time, applid, ipaddr, service

# DFHSO0123 date time applid Return code rc received from function 'gsk_initialize | gsk_get_cipher_info | gsk_get_dn_by_label | gsk_secure_soc_init | gsk_secure_soc_read | gsk_secure_soc_write | gsk_secure_soc_close’ of System SSL.

#### Reason:
(Unexpected return code | Key database not found | Key database access not authorized | Invalid password for key database | Expired password for key database | Stashed password file not found | Session timeout value is invalid | An I/O error occurred | An unknown error occurred | Invalid distinguished name | No common ciphers negotiated | No certificate available | Invalid certificate | Root certificate authority not supported | Unsupported operation | Invalid certificate signature | Peer system not recognized | Not authorized | Self-signed certificate | Invalid session state | Handle creation failed | No private key | Untrusted Certificate Authority | Expired certificate | Invalid cipher suite).

#### Explanation:
An unexpected error return code rc was received from the specified function of the OS/390 System SSL service. A brief interpretation of the return code is shown.

#### System Action:
The secure sockets operation is abandoned. A sockets domain severe error message DFH5SO0002 is produced with error code X’080C’.

#### User Response:
This message usually implies some sort of configuration error. Use the description in the message to determine what is wrong. For descriptions of the return code rc, see the OS/390 System SSL Programming Guide and Reference, SC24-5877. For further guidance see the CICS Internet Guide.

#### Module: DFHSOSE

### XMEOUT Parameters: date, time, applid, rc, {1=gsk_initialize, 2=gsk_get_cipher_info, 3=gsk_get_dn_by_label, 4=gsk_secure_soc_init, 5=gsk_secure_soc_read, 6=gsk_secure_soc_write, 7=gsk_secure_soc_close}, {0=Unrecognized return code, 1=Key database not found, 2=Key database access not authorized, 3=Invalid password for key database, 4=Expired password for key database, 5=Stashed password file not found, 6=Session timeout value is invalid, 7=An I/O error occurred, 8=An unknown error occurred, 16=Invalid distinguished name, 17=No common ciphers negotiated, 18=No certificate available, 19=Invalid certificate, 20=Root certificate authority not supported, 21=Unsupported operation, 22=Invalid certificate signature, 23=Peer system not recognized, 24=Not authorized, 25=Self-signed certificate, 26=Invalid session state, 27=Handle creation failed, 28=No private key, 29=Untrusted Certificate Authority, 30=Expired certificate, 31=Invalid cipher suite}

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## DFHSRxxxx messages

### DFHSR0001 applid An abend (code aaa/bb bb) has occurred at offset X’offset’ in program programname.

#### Explanation:
An abnormal end (abend) or program check has occurred in program programname. Storage protection is active, and CICS was executing in USER key at the time of the abend or program check.

The code aaa is a three digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The four digit code bb bb, which follows aaa, is a user abend code, produced either by CICS.

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or by another product on the user’s system. Message DFHME0116 is normally produced containing the symptom string for this problem.

**System Action:** An exception trace entry is made giving details of the error. System dump SR0001 is taken unless you have specifically suppressed dumps for that dumpcode in the dump table.

CICS continues and abends the transaction, unless you have specified in the dump table that CICS should terminate. The transaction abend code is ASRA, ASRB, ASRD or ASRE.

**User Response:** As the execution key was USER key, modname is probably a customer application program. Review this program and correct the error.

Note that if the error was an OC4 program check caused by an attempt to overwrite a CICS DSA, the exception trace entry indicates which DSA the program attempted to overwrite. If this is the case, also refer to the explanation for message DFHSR0622.

For advice on problem determination, refer to the CICS Problem Determination Guide.

Report the details of the symptom string given in message DFHME0116.

If you want to suppress system dumps that precede ASRA, ASRB, ASRD or ASRE abends when the execution key is USER, you must specify this on an entry in the dump table for system dumpcode SR0001. Use either CEMT or an EXEC CICS command. Further guidance on this can be found in the CICS System Definition Guide.

**Destination:** Console

**Module:** DFHSRP

**XMEOUT Parameter:** applid

**DFHSR0601 applid Program interrupt occurred with system task taskid in control**

**Explanation:** A program check has been detected in a system task. taskid is the system task identifier (for example, TCP, III) as set in field TCACKCTT.

**System Action:** CICS abnormally terminates with system dump SR0601 and an exception trace entry which gives the kernel error data for the program check.

**User Response:** Use the dump to determine the cause of the program check. The most likely causes are either an error in a CICS module, or an error in a user-written PLT program.

For advice on problem determination, refer to the CICS Problem Determination Guide.

**Destination:** Console

**Module:** DFHSRP

**XMEOUT Parameters:** applid, aaa/bbbb, X'offset', proiname

**DFHSR0602 applid Program interrupt routine has been entered while processing program interrupt for same task**

**Explanation:** A program check occurred. CICS started to abend the task with an abend code of ASRA when another program check occurred. As this is a potentially recursive situation, DFHSRP terminates CICS.

**System Action:** CICS abnormally terminates with system dump SR0602 and exception trace entries giving the kernel error data for each program check.

**User Response:** Try to discover where and why the first program check occurred. The most likely cause is an error in the application program. The second program check may be due to a CICS error while terminating the task.

For advice on problem determination, refer to the CICS Problem Determination Guide.

**Destination:** Console

**Module:** DFHSRP

**XMEOUT Parameter:** applid

**DFHSR0603 applid Program interrupt has occurred**

**Explanation:** A program check occurred, and CICS did not attempt to recover, because SRT=NO was specified in the system initialization table or by the operator at start-up time.

**System Action:** CICS abnormally terminates with system dump SR0603 and an exception trace entry giving the kernel error data for the program check.

**User Response:** Initially, check that the specification of SRT=NO is correct. If it is incorrect, change it as described in the CICS System Definition Guide.

For advice on problem determination, refer to the CICS Problem Determination Guide.

**Destination:** Console

**Module:** DFHSRP

**XMEOUT Parameter:** applid

**DFHSR0605 applid Error from KE Domain - DFHSRP initialization**

**Explanation:** Module DFHSRP has detected a severe error during the initialization phase of CICS. It is unlikely that any recovery functions can run until the error is found and corrected.

**System Action:** CICS abnormally terminates with system dump SR0605.

**User Response:** Use the dump to determine, if possible, the cause of the problem and what must be done to correct it.

For advice on problem determination, refer to the CICS Problem Determination Guide.

**Destination:** Console

**Module:** DFHSRP

**XMEOUT Parameter:** applid

**DFHSR0606 applid Abend (code aaa/bbbb) has been detected.**

**Explanation:** DFHSRP has detected an abnormal termination which CICS is not able to handle fully (for example, the abend code cannot be found in the SRT). In this instance it is the CICS system and not merely a transaction, that has abnormally terminated.

The code aaa is a three digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The four digit code bbbb, which follows aaa, is a user abend code produced either by CICS or by another product on the user’s system.

**System Action:** CICS abnormally terminates. A system dump (dumpcode SR0606) can be taken with this message depending on the abend code. An exception trace entry is produced giving the kernel error data for the abend.

**User Response:** Use the dump to determine the abnormal termination, and to investigate its cause.

**Destination:** Console

**Module:** DFHSRP
XMEOUT Parameters: applid, aaaa/AAAA

DFHSR0612  applid  Abend recovery has been entered by same task

Explanation:  An operating system abnormal termination occurred.  
CICS started to abend the task with abend code ASRB when
another operating system abnormal termination occurred.  As this
is a potentially recursive situation, DFHSRP terminates CICS.

System Action:  CICS abnormally terminates with system dump
SR0612 and exception trace entries giving the kernel error data for
each operating system abend.

User Response:  The most likely cause of the second operating
system abend is an error in a global user exit program running at
the XSRAB exit.  This is the global user exit that can be invoked
when an abend code is found in the SRT.  If such a program was
running, determine the cause of the second abend and take steps
to prevent a recurrence.

Note that this message will also be issued if a global user exit
program running at the XSRAB exit gets into a loop (runaway), or
issues an unknown XPI call (kernerror).  The second exception
trace entry should help to diagnose this.

For advice on problem determination, see the CICS Problem
Determination Guide.

Destination:  Console
Module:  DFHSRP
XMEOUT Parameter:  applid

DFHSR0613  applid Abend has occurred with system task taskid in control

Explanation:  An operating system abnormal termination has been
detected in a system task.  taskid is the system task identifier (for
example, TCP, III) as set in field TCAKCTTA.

System Action:  CICS abnormally terminates with system dump
SR0613 and an exception trace entry giving the kernel error data for
the operating system abend.

User Response:  Use the dump to determine the cause of the
abend, and take action to correct it.

For advice on problem determination, see the CICS Problem
Determination Guide.

Destination:  Console
Module:  DFHSRP
XMEOUT Parameter:  applid, taskid

DFHSR0615  applid Program interrupt has occurred in recovery task

Explanation:  An operating system abnormal termination occurred.
CICS started to abend the task with an abend code of ASRB when
a program check occurred.  DFHSRP terminates CICS.

System Action:  CICS abnormally terminates with system dump
SR0615 and exception trace entries giving the kernel error data for
the operating system abend and the program check.

User Response:  The most likely cause of the program check is
an error in a global user exit program running at the XSRAB exit.
This is the global user exit that can be invoked when an abend
code is found in the SRT.  If such a program was running,
determine the cause of the program check and correct it.

For advice on problem determination, refer to the CICS Problem
Determination Guide.

Destination:  Console
Module:  DFHSRP
XMEOUT Parameter:  applid

DFHSR0618  applid An illegal macro call or reference to the CSA or TCA has caused the abend which follows

Explanation:  A user program was executing which either contains
an assembler macro which is no longer supported, or refers illegally
to the CICS TCA or CSA.  This error appears as an 0C4 program
check.

System Action:  Either The transaction abends with abend code
ASRD.  This message is followed by message DFHAP0001 or
DFHSR0001 which gives the name of the program in error and the
offset into that program at which the error occurred.
Or This is a critical error and CICS is terminated.  This message is
followed by a DFHSR06xx message giving the reason for the
termination.

User Response:  Review the program and correct the error.
If the error is in the module DFHUEHC, ensure that UEPCSAs and
UEPTCAs are not being used because these reference
fetch-protected storage.

For advice on problem determination, refer to the CICS Problem
Determination Guide.

Destination:  Console
Module:  DFHSRP
XMEOUT Parameter:  applid

DFHSR0619  date time applid An illegal reference to the RCT has caused the abend which follows.

Explanation:  A user program was executing and referred illegally
to the RCT.  This error appears as an 0C4 program check.

System Action:  The transaction abends with abend code ASRE.  This message is
followed by message DFHAP0001 or DFHSR0001 which gives the
name of the program in error and the offset into that program at
which the error occurred.

User Response:  Review the program and correct the error by
using the CICS supplied SPI commands to retrieve data from the
RCT.

For advice on problem determination, refer to the CICS Problem
Determination Guide.

Destination:  Console and Transient Data Queue CDB2
Module:  DFHSRP
XMEOUT Parameter:  date, time, applid

DFHSR0622  applid An attempt to [overwrite | access] the dsaname has caused the abend which follows

Explanation:  An 0C4 program interrupt (protection exception) has
occurred.  CICS has diagnosed the cause of the 0C4 as an attempt
to either access or overwrite storage in DSA dsaname.  The DSA is
one of CDSA, RDSA, UDSA, ECDSA, ERDSA or EUDSA for
overwrite, or either UDSA or EUDSA for access.

If dsaname is CDSA or ECDSA:
  CICS is running with storage protection active.  Both the
CDSA and the ECDSA therefore contain CICS key storage.
  They are write protected from user programs executing in
User key.  The most likely causes of the 0C4 are:

Destination:  Console
Module:  DFHSRP
XMEOUT Parameter:  applid

XMEOUT Parameters: date, time, applid

DFHSR0623  date time applid An illegal reference to the RCT has caused the abend which follows.

Explanation:  A user program was executing and referred illegally
to the RCT.  This error appears as an 0C4 program check.

System Action:  The transaction abends with abend code ASRE.  This message is
followed by message DFHAP0001 or DFHSR0001 which gives the
name of the program in error and the offset into that program at
which the error occurred.

User Response:  Review the program and correct the error by
using the CICS supplied SPI commands to retrieve data from the
RCT.

For advice on problem determination, refer to the CICS Problem
Determination Guide.

Destination:  Console and Transient Data Queue CDB2
Module:  DFHSRP
XMEOUT Parameter:  date, time, applid

DFHSR0624  applid An attempt to [overwrite | access] the dsaname has caused the abend which follows

Explanation:  An 0C4 program interrupt (protection exception) has
occurred.  CICS has diagnosed the cause of the 0C4 as an attempt
to either access or overwrite storage in DSA dsaname.  The DSA is
one of CDSA, RDSA, UDSA, ECDSA, ERDSA or EUDSA for
overwrite, or either UDSA or EUDSA for access.

If dsaname is CDSA or ECDSA:
  CICS is running with storage protection active.  Both the
CDSA and the ECDSA therefore contain CICS key storage.
  They are write protected from user programs executing in
User key.  The most likely causes of the 0C4 are:

Destination:  Console
Module:  DFHSRP
XMEOUT Parameter:  applid

XMEOUT Parameters: date, time, applid
A program executing in CICS key passed the address of CICS key storage in the CDSA or ECDSA to a user program executing in User key and this user program attempted to write to this storage.

A user program executing in User key contains an error and accidentally attempted to write to CICS key storage in the CDSA or ECDSA.

A user program executing in User key deliberately attempted to write to CICS key storage in the CDSA or ECDSA.

If dsaname is ERDSA or RDSA:
CICS may be running with or without storage protection active. The ERDSA or RDSA contains only reentrant CICS and user programs. If RENTPGM=PROTECT was specified as a system initialization parameter, the ERDSA or RDSA is write protected from programs executing in both CICS key and User key. If RENTPGM=NOPROTECT, the ERDSA or RDSA is only protected from user programs executing in User key. The most likely causes of the 0C4 are:
- A user program residing in the ERDSA or RDSA has attempted to modify its own storage, (that is, the program is not reentrant).
- A user program contains an error and accidentally attempted to overwrite program storage in the ERDSA or RDSA.

If dsaname is EUDSA or UDSA:
CICS is running with both storage protection and transaction isolation active. The EUDSA and UDSA contain only USER key non-shared storage. The most likely causes of the 0C4 are:
- If the action is overwrite, a program has attempted to modify the non-shared storage belonging to another transaction.
- If the action is access, a program has attempted to either read storage or execute an instruction within another transaction's non-shared storage.

System Action: Either, the transaction abends with abend code 1310 (if module DFHSTUP), the job step is terminated with a dump. For modules DFHSTST and DFHSTTI, a dump is taken and the collection interval is set to 24 hours. Message DFHST0101 is also issued.

For module DFHSTDM, the action depends on the initialization error action value which is used by the domain (DM) manager. The usual action is to terminate CICS with a dump.

For module DFHSTUE, processing continues.

For modules DFHSTWR, DFHSTRD, and DFHSTUx (modules within DFHSTUP), the job step is terminated with a dump.

For ALL modules, a system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the OS/390 MVS System Codes manual. Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHSRP

XMEOUT Parameters: applid, [1=overwrite, 2=access], dsaname

DFHSTxxxx messages

DFHST0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code.

Alternatively, unexpected data has been input, or storage has been overwritten.

Note: There is NO applid for DFHSTUP modules.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37).

If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. For modules DFHSTST and DFHSTTI, a dump is taken and the collection interval is set to 24 hours. Message DFHST0101 is also issued.

For module DFHSTDM, the action depends on the initialization error action value which is used by the domain (DM) manager. The usual action is to terminate CICS with a dump.

For module DFHSTUE, processing continues.

For modules DFHSTWR, DFHSTRD, and DFHSTUx (modules within DFHSTUP), the job step is terminated with a dump.

For ALL modules, a system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the OS/390 MVS System Codes manual. Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI, DFHSTUE, DFHSTUx (modules within DFHSTUP), DFHSTWR, DFHSTRD

XMEOUT Parameters: applid, aaa/bbbb, X'offset', modname
Chapter 1. DFH messages

DFHST0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI, DFHSTUE

XMEOUT Parameters: applid, X'code', modname

DFHST0003 applid Insufficient storage to satisfy GETMAIN (code X'code') in module modname.

Explanation: A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point id which uniquely identifies the place where the error was detected.

This error has occurred above the 16MB line.

System Action: An exception entry is made in the trace table (code X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown:

Try increasing the size limits of the DSAs or EDSAs. If CICS is not already terminated, you need to bring CICS down to do this. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.

Destination: Console

Module: DFHSTDM

XMEOUT Parameters: applid, X'code', modname

DFHST0004 applid A possible loop has been detected at offset X+offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

Note that no applid is included for DFHSTUP modules.

System Action: An exception entry is made in the trace table.

For modules DFHSTST and DFHSTTI, a system dump is taken and the collection interval is set to 24 hours. Message DFHST0101 will also be issued.

For module DFHSTDM, the action depends on the initialization error action value which is used by the domain (DM) manager. The usual action will be to terminate CICS with a dump.

For module DFHSTUE, processing continues.

For modules DFHSTWR, DFHSTRD, and DFHSTUx (modules within DFHSTUP), the job step is terminated with a dump.

For all modules, a system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.
DFHST000S

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI, DFHSTUE, DFHSTUX (Modules within DFHSTUP), DFHSTWR, DFHSTRD

XMEOUT Parameters: applid, X'offset', modname

DFHST000S applid A hardware error has occurred (module modname, code X'code'). The Time-of-Day clock is invalid.

Explanation: Execution of the STCK machine instruction resulted in a non-zero condition code.

System Action: A system dump is taken and interval collections are cancelled. Message DFHST0102 is also issued. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the case, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

DFHST0101I applid The Statistics Domain has set the collection interval to 24 hours.

Explanation: A problem has been detected by, or has been passed back to, the statistics (ST) domain. As a result, the collection interval has been set to the maximum value. The end-of-day collection time is unchanged.

A message explaining the problem has already been issued by the module in error.

System Action: Other processing continues.

User Response: Refer to the associated message for guidance on resolving the original problem.

Use CEMT SET STATISTICS to reset the interval when the problem has been resolved.

Destination: Console

Modules: DFHSTST, DFHSTDM

XMEOUT Parameters: applid, modname, X'code'

DFHST0102I applid The Statistics Domain has cancelled interval collections.

Explanation: A problem has been detected by, or has been passed back to, the statistics (ST) domain. A message explaining the problem may have already been issued by the module in error.

To reduce the occurrence of this problem, the interval collections have been cancelled. The end-of-day collection time is unchanged.

System Action: Other processing continues.

User Response: Refer to any associated message for guidance on resolving the original problem.

If no associated message has been issued, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI

XMEOUT Parameter: applid

DFHST0103 applid An SMF error has occurred with return code X'rc'.

Explanation: SMF has returned to the statistics (ST) domain with an error return code X'rc' from the SMFEWTM macro.

System Action: Other CICS processing continues.

User Response: Refer to the OS/390 MVS System Management Facility (SMF) manual for a detailed explanation of the meaning of the return code.

Destination: Console

Module: DFHSTST

XMEOUT Parameters: applid, X'rc'

DFHST0201 S An attempt to open the statistics data set has failed.

Explanation: DFHSTUP has tried to open the unloaded SMF data set but has failed.

System Action: A dump is taken and the job step is terminated.

User Response: Ensure that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the CICS Operations and Utilities Guide.

If incorrect JCL is not the cause of the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: SYSPRINT

Module: DFHSTRD

DFHST0202 S A read error on the statistics data set has occurred

Explanation: A read error was encountered on the unloaded SMF data set.

System Action: A dump is taken and the job step is terminated.

User Response: Inform the system programmer. First check that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the CICS Operations and Utilities Guide. Resubmit the job.

Destination: SYSPRINT

Module: DFHSTRD

DFHST0203 W The statistics data set is empty.

Explanation: An end-of-file condition was detected during the first attempt to read the unloaded SMF data set, or the unloaded SMF dataset contained no CICS statistics from any CICS system.

System Action: The job step is terminated.

User Response: The most likely cause is an error in the JCL which unloads the SMF which unloads the SMF dataset. First check that the JCL is correct. A sample set of JCL to unload the SMF dataset is contained in the CICS Operations and Utilities Guide. Also check...
that you have unloaded the correct SMF dataset. Resubmit the job.

**Destination:** SYSPRINT
**Module:** DFHSTIN

---

**DFHST0204** S Invalid record id recid encountered on the statistics data set.

**Explanation:** An invalid record identifier recid has been encountered in the unloaded SMF data set.

**System Action:** A dump is taken and the job step is terminated.

**User Response:** Check that the unloaded SMF data set contains statistics records. CICS statistics records are of SMF record type 110, sub-type 2. For further information, see the CICS Data Areas.

If the SMF data set does contain statistics records, the most likely cause of the problem is a corrupted SMF dataset. Unload the SMF dataset again and rerun the DFHSTUP utility. If the problem persists, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** SYSPRINT
**Modules:** DFHSTUX (modules within DFHSTUP)

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**DFHST0206** S An invalid parameter (parameter) has been specified for the DFHSTUP utility.

**Explanation:** One or more of the parameters specified in the SYSIN data set were incorrect.

**System Action:** The job step is terminated.

**User Response:** Correct the erroneous parameter as identified in the message and resubmit the job.

**Destination:** SYSPRINT
**Module:** DFHSTUP1

---

**DFHST0207** W An incomplete data record has been encountered on the statistics data set.

**Explanation:** A record input from the unloaded SMF data set specifies that the data it contains is incomplete.

**System Action:** Processing continues.

**User Response:** For an incomplete data record to have been encountered, there must have been an error in the running of CICS. This should result in an exception trace and perhaps a dump being issued.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** SYSPRINT
**Modules:** DFHSTUX (modules within DFHSTUP)

---

**DFHST0208** S An attempt to open the SYSIN data set has failed.

**Explanation:** DFHSTUP has tried to open the SYSIN data set but has failed.

**System Action:** A dump is taken and the job step is terminated.

**User Response:** Ensure that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the CICS Operations and Utilities Guide.

If incorrect JCL is not the cause of the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** SYSPRINT
**Module:** DFHSTRD

---

**DFHST0209** S A read error on the SYSIN data set has occurred.

**Explanation:** A read error was encountered on the SYSIN data set.

**System Action:** A dump is taken and the job step is terminated.

**User Response:** Inform the system programmer.

To resolve the problem, collect the dumps and any relevant messages and determine why the read failed. Resubmit the job.

**Destination:** SYSPRINT
**Module:** DFHSTRD

---

**DFHST0210** I No statistics are available for applid applid.

**Explanation:** No statistics data records exist for applid applid in the unloaded SMF data set. This is because

- Applid applid is unknown,
- You have unloaded the wrong SMF data set,
- You have specified a COLLECTION TYPE= parameter for which applid applid has no statistics,
- No CICS statistics records were written for applid applid.

**System Action:** The job step continues.

**User Response:** Check that you have specified the correct applid.

If necessary, respecify the correct applid.

Check that you have unloaded the correct SMF data set. If necessary, unload the correct SMF data set.

If you have specified the correct applid and unloaded the correct SMF data set, then there are no statistics data records for applid applid.

**Destination:** SYSPRINT
**Module:** DFHSTUP1

---

**DFHST0211** S Processing terminated. Getmain failed with a short on storage condition.

**Explanation:** The DFHSTUP utility detected an error from a GETMAIN macro while obtaining working storage. This was because DFHSTUP had exhausted the available storage.

**System Action:** A dump is taken and the job step terminates.

**User Response:** Check that you have specified the correct REGION size on the EXEC JCL command used to execute the DFHSTUP utility. A sample set of JCL to execute the DFHSTUP utility is contained in the CICS Operations and Utilities Guide.

If you have specified the correct REGION size, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** SYSPRINT
Module: All DFHSTUP modules

DFHST0212 S Processing terminated. DFSORT message dataset (DD=SYSOUT) is missing.
Explanation: The dataset used by the DFSORT utility to output its messages is missing.
System Action: A dump is taken and the job step is terminated.
User Response: Check the JCL used to execute the DFHSTUP utility to ensure that the SYSOUT DD was correctly specified. A sample set of JCL to execute the DFHSTUP utility is contained in the CICS Operations and Utilities Guide.
If you have specified the correct SYSOUT DD statement, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: SYSPRINT
Module: DFHSTUP1

DFHST0213 S Processing terminated. Error detected by DFSORT. Check DFSORT messages.
Explanation: An error was detected by the DFSORT utility and the DFHSTUP utility terminated.
System Action: A dump is taken and the job step is terminated.
User Response: The user must inspect the DFSORT message dataset and search for messages indicating the reason for the failure of the DFSORT utility. A detailed explanation of the messages produced by DFSORT can be found in the DFSORT Application Programming Guide (SC33-4035).
After analyzing the DFSORT error message, take the appropriate corrective actions and resubmit the job.
Destination: SYSPRINT
Module: DFHSTU17

DFHST0214 S Processing terminated. Failure to obtain system time and date.
Explanation: The DFHSTUP utility was unable to obtain the system time and date from the CICS kernel.
System Action: A dump is taken and the job step is terminated.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: SYSPRINT
Module: DFHSTU17

DFHST0216 W An incompatible statistics record version number was detected by module module.
Explanation: The statistics utility program has detected that a statistics record has a version number which is incompatible with the version number expected by the DFHSTUP utility.
System Action: The statistics record containing the invalid version number is ignored. Statistics records immediately following which are of the same type and which also contain an invalid version number are also ignored. Processing continues.
User Response: Obtain a dump of the SMF data set. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: SYSPRINT
Module: DFHST17X

DFHST0217 S An attempt to open the DFHSTWRK data set has failed.
Explanation: The statistics utility program has detected an error while attempting to open the DFHSTWRK data set during non-summary statistics processing.
System Action: The statistics utility program ends abnormally.
User Response: Ensure that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.
Destination: SYSPRINT
Module: DFHSTU17

DFHST0218 S A write error has occurred on the DFHSTWRK data set.
Explanation: The statistics utility program has detected an error while attempting to write to the DFHSTWRK data set during non-summary statistics processing.
System Action: The statistics utility program ends abnormally.
User Response: Ensure that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.
Destination: SYSPRINT
Module: DFHSTU17

DFHST0219 S A read error has occurred on the DFHSTWRK data set.
Explanation: The statistics utility program has detected an error while attempting to read from the DFHSTWRK data set during non-summary statistics processing.
System Action: The statistics utility program ends abnormally.
User Response: Check that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.
Destination: SYSPRINT
Module: DFHSTU17

DFHST0220 S An attempt to open the DFHSTWRK data set has failed.
Explanation: The statistics utility program has detected an error while attempting to open the DFHSTWRK data set while processing summary statistics.
System Action: The statistics utility program ends abnormally.
User Response: Check that the DFHSTWRK data set has been specified on the job, and that the attributes of the data set are correct.
Destination: SYSPRINT
Module: DFHST17X
DFHST0221 S A write error has occurred on the DFHSTWRK data set.

Explanation: The statistics utility program has detected an error while attempting to write to the DFHSTWRK data set during summary statistics processing.

System Action: The statistics utility program ends abnormally.

User Response: Check that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Destination: SYSPRINT
Module: DFHST17X

DFHST0222 S A read error has occurred on the DFHSTWRK data set.

Explanation: The statistics utility program has detected an error while attempting to read from the DFHSTWRK data set during summary statistics processing.

System Action: The statistics utility program ends abnormally.

User Response: Check that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Destination: SYSPRINT
Module: DFHST17X

DFHST0223 I There are no data table statistics to report.

Explanation: The file subsection of the DFHSTUP report entitled ‘Data Table Requests Information’ only contains formatted information if the data currently being processed contains statistics records for files accessed as data tables. This message is written to the DFHSTUP report, when the utility program detects that there are no data table statistics in this section of the statistics report.

System Action: Processing continues normally.

User Response: Take no action unless you expect data table statistics in the DFHSTUP report.

Destination: SYSPRINT
Modules: DFHSTUTQ, DFHSTTQX

DFHST0224 I There are no intrapartition queues to report.

Explanation: The transient data subsection of the DFHSTUP report entitled ‘Intrapartition’ contains no data.

System Action: Processing continues normally.

User Response: Take no action unless you expect TD intrapartition statistics in the DFHSTUP report.

Destination: SYSPRINT
Modules: DFHSTUTQ, DFHSTTQX

DFHST0225 I There are no extrapartition queues to report.

Explanation: The transient data subsection of the DFHSTUP report entitled ‘Extrapartition’ contains no data.

System Action: Processing continues normally.

User Response: Take no action unless you expect TD extrapartition statistics in the DFHSTUP report.

Destination: SYSPRINT
Modules: DFHSTUTQ, DFHSTTQX

DFHST0226 I There are no indirect queues to report.

Explanation: The transient data subsection of the DFHSTUP report entitled ‘Indirect’ contains no data.

System Action: Processing continues normally.

User Response: Take no action unless you expect TD indirect statistics in the DFHSTUP report.

Destination: SYSPRINT
Modules: DFHSTUTQ, DFHSTTQX

DFHST0227 I There are no remote queues to report.

Explanation: The transient data subsection of the DFHSTUP report entitled ‘Remote’ contains no data.

System Action: Processing continues normally.

User Response: Take no action unless you expect TD remote statistics in the DFHSTUP report.

Destination: SYSPRINT
Modules: DFHSTUTQ, DFHSTTQX

DFHSZxxxx (FEPI) messages

DFHSZ4001 I date time applid FEPI initialization has started.

Explanation: The Front End Programming Interface (FEPI) is being initialized.

This means the CSZI transaction – FEPI – has started its processing. CSZI is started as part of CICS system initialization, if the system initialization parameter FEPI is set to YES.

If you specified FEPI=YES and this message does not appear during CICS initialization, CSZI failed to start; the most common reason for this is that group DFHFEPI is not included in the list specified by the GRPLIST system initialization parameter.

If message DFHSZ4001 is not followed by message DFHSZ4002, FEPI failed to start. In this case, a DFHSZnnnn message is issued to indicate the error.

System Action: FEPI initialization proceeds.

User Response: None.

Destination: Console and Transient Data Queue CSZL
Module: DFHSZRMP(DFHSZSIP)
XMEOUT Parameters: date, time, applid
### DFHSZ4002 - FEPI initialization has ended

**Explanation:** The Front End Programming Interface (FEPI) has finished initialization.

**System Action:** EXEC CICS FEPI commands are made available.

**User Response:** None.

**Destination:** Console and Transient Data Queue CSZL

**Module:** DFHSZRM(DFHSZSIP)

**XMEOUT Parameters:** `date, time, applid`

### DFHSZ4003 - FEPI termination complete

**Explanation:** The Front End Programming Interface (FEPI) has ended.

A DFHSZnnnn message may precede message DFHSZ4003 to indicate what caused FEPI to terminate.

**System Action:** EXEC CICS FEPI commands are made unavailable.

**User Response:** Resolve the problem indicated by the messages, then restart CICS.

**Destination:** Console and Transient Data Queue CSZL

**Module:** DFHSZRM(DFHSZSIP)

**XMEOUT Parameters:** `date, time, applid`

### DFHSZ4004 - FEPI cannot be started: FEPI=YES not specified in the SIT.

**Explanation:** The Front End Programming Interface (FEPI) cannot be started because the FEPI system initialization parameter was set to NO indicating that FEPI is not required.

This message usually means that you attempted to start the FEPI transaction (CSZI) manually, but did not set up the correct environment for it to run.

**System Action:** The FEPI transaction is not run.

**User Response:** If you require FEPI in the CICS system, restart CICS specifying the system initialization parameter FEPI=YES. You do not need to start the FEPI transaction manually.

**Destination:** Console and Transient Data Queue CSZL

**Module:** DFHSZRM(DFHSZSIP)

**XMEOUT Parameters:** `date, time, applid`

### DFHSZ4005 - FEPI cannot be started: FEPI is already active, in state X'sssssss'.

**Explanation:** The Front End Programming Interface (FEPI) cannot be started because FEPI is already active in the system.

This message usually means that you attempted to start a new instance of FEPI manually by running the FEPI transaction (CSZI), but the previous instance of FEPI failed in some way that caused an 'active' indication to be left in error.

The possible FEPI states (X'sssssss') are:

<table>
<thead>
<tr>
<th>State</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'00000002'</td>
<td>FEPI is being initialized</td>
</tr>
<tr>
<td>X'00000003'</td>
<td>FEPI is active</td>
</tr>
<tr>
<td>X'00000004'</td>
<td>FEPI is terminating as CICS is undergoing a normal shutdown</td>
</tr>
</tbody>
</table>

### DFHSZ4006 - FEPI initialization failed: enqueue failure, code X'r'r'.

**Explanation:** The Front End Programming Interface (FEPI) cannot be initialized because an attempt to enqueue on the FEPI enqueue name SZenQRMi failed, indicating that FEPI is already active in the system. FEPI initialization issues this enqueue to prevent a second instance of FEPI being present in the system.

This message usually means that you attempted to start the FEPI transaction (CSZI) manually, but there is a previous instance of CSZI still running.

The possible values of X'r'r', the reason for failure, are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'31'</td>
<td>Duplicate enqueue on SZenQRMi attempted.</td>
</tr>
<tr>
<td>X'32'</td>
<td>Failure during enqueue processing.</td>
</tr>
</tbody>
</table>

**System Action:** The request to start a second instance of FEPI is rejected.

**User Response:** None.

**Destination:** Console and Transient Data Queue CSZL

**Module:** DFHSZRM(DFHSZSIP)

**XMEOUT Parameters:** `date, time, applid, X'r'r'`

### DFHSZ4007 - FEPI initialization failed: storage ADD_SUBPOOL failure for subpool pppppppp, reason X'r'r' response X'ee'.

**Explanation:** The Front End Programming Interface (FEPI) cannot be initialized because creating the named storage subpool for FEPI use failed.

The values of X'r'r', the reason for failure, are:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Insufficient storage available for the subpool</td>
</tr>
<tr>
<td>X'03'</td>
<td>Subpool requested with an invalid fixed length</td>
</tr>
<tr>
<td>X'04'</td>
<td>Subpool requested with an invalid boundary alignment</td>
</tr>
<tr>
<td>X'05'</td>
<td>Subpool requested with an invalid initial number of elements</td>
</tr>
<tr>
<td>X'06'</td>
<td>Subpool requested with an invalid name</td>
</tr>
<tr>
<td>X'08'</td>
<td>Subpool requested already exists</td>
</tr>
<tr>
<td>X'11'</td>
<td>Access to the Storage Manager was denied</td>
</tr>
</tbody>
</table>

**Response**

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Request completed successfully</td>
</tr>
</tbody>
</table>

---

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Chapter 1. DFH messages

DFHSZ4009 E date time applid FEPI initialization failed:
Non-runaway task setting failure, reason X'rr', response X'ee'.

Explanation: The Front End Programming Interface (FEPI) cannot be initialized. Because FEPI is a long-running transaction (CSZI), it must not be subject to a runaway task time out. The request to prevent this failed.

The value of X'rr', the reason for failure, is always X'00'.

The values of X'ee', the response to the failed request, are:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Request completed successfully</td>
</tr>
<tr>
<td>X'02'</td>
<td>Exception response generated</td>
</tr>
<tr>
<td>X'03'</td>
<td>Disaster response generated</td>
</tr>
<tr>
<td>X'04'</td>
<td>Invalid response generated</td>
</tr>
</tbody>
</table>

System Action: FEPI initialization ends, and EXEC CICS FEPI commands are made unavailable. An exception trace entry is generated.

User Response: The only action you can take is when there is insufficient storage, in which case you can increase the storage available to CICS on restart.

All other errors are system failures, and you should consult the system programmer. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: date, time, applid, X'rr', X'ee'

DFHSZ4011 E date time applid FEPI storage GETMAIN failed in subpool NB, reason X'rr', response X'ee'.

Explanation: The Front End Programming Interface (FEPI) issued a GETMAIN storage request in the SZSPFCNB storage subpool for NIB usage which failed.

The values of X'rr', the reason for failure, are:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Insufficient storage for the request</td>
</tr>
<tr>
<td>X'02'</td>
<td>Invalid subpool token given</td>
</tr>
<tr>
<td>X'04'</td>
<td>Invalid length of element requested</td>
</tr>
<tr>
<td>X'05'</td>
<td>Length of element not specified</td>
</tr>
<tr>
<td>X'08'</td>
<td>Access was denied to the storage subpool</td>
</tr>
<tr>
<td>X'11'</td>
<td>Invalid initial image supplied</td>
</tr>
<tr>
<td>X'12'</td>
<td>An abnormal end occurred in the storage manager</td>
</tr>
<tr>
<td>X'13'</td>
<td>A loop was detected in the storage manager</td>
</tr>
</tbody>
</table>

The values of X'ee', the response to the failed request, are:
DFHSZ4012 E date time applid FEPI storage GETMAIN failed in subpool DA, reason X'r'r' response X'ee'

Explanation: The Front End Programming Interface (FEPI) issued a GETMAIN storage request in the SZSPVCDA storage subpool for general usage which failed.

The values of X'r'r', the reason for failure, are:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Insufficient storage for the request.</td>
</tr>
<tr>
<td>X'02'</td>
<td>Invalid subpool token given.</td>
</tr>
<tr>
<td>X'04'</td>
<td>Invalid length of element requested.</td>
</tr>
<tr>
<td>X'05'</td>
<td>Length of element not specified.</td>
</tr>
<tr>
<td>X'08'</td>
<td>Access was denied to the storage subpool.</td>
</tr>
<tr>
<td>X'11'</td>
<td>Invalid initial image supplied.</td>
</tr>
<tr>
<td>X'12'</td>
<td>An abnormal end occurred in the storage manager.</td>
</tr>
<tr>
<td>X'13'</td>
<td>A loop was detected in the storage manager.</td>
</tr>
</tbody>
</table>

The values of X'ee', the response to the failed request, are:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Request completed successfully.</td>
</tr>
<tr>
<td>X'02'</td>
<td>Exception response generated.</td>
</tr>
<tr>
<td>X'03'</td>
<td>Disaster response generated.</td>
</tr>
<tr>
<td>X'04'</td>
<td>Invalid response generated.</td>
</tr>
<tr>
<td>X'05'</td>
<td>A kernel error was detected.</td>
</tr>
<tr>
<td>X'06'</td>
<td>The request was purged.</td>
</tr>
</tbody>
</table>

All of these responses indicate that a system error occurred.

DFHSZ4013 E date time applid FEPI storage GETMAIN failed in subpool RP, reason X'r'r' response X'ee'

Explanation: The Front End Programming Interface (FEPI) issued a GETMAIN storage request in the SZSPCRP storage subpool for RPL usage. The request failed.

The values of X'r'r', the reason for failure, are:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Insufficient storage for the request.</td>
</tr>
<tr>
<td>X'02'</td>
<td>Invalid subpool token given.</td>
</tr>
<tr>
<td>X'04'</td>
<td>Invalid length of element requested.</td>
</tr>
<tr>
<td>X'05'</td>
<td>Length of element not specified.</td>
</tr>
<tr>
<td>X'08'</td>
<td>Access was denied to the storage subpool.</td>
</tr>
<tr>
<td>X'11'</td>
<td>Invalid initial image supplied.</td>
</tr>
<tr>
<td>X'12'</td>
<td>An abnormal end occurred in the storage manager.</td>
</tr>
<tr>
<td>X'13'</td>
<td>A loop was detected in the storage manager.</td>
</tr>
</tbody>
</table>

All of these responses indicate that a system error occurred.

DFHSZ4014 E date time applid FEPI storage FREEMAIN failed in subpool DAINBIRP, reason X'r'r' response X'ee'

Explanation: The Front End Programming Interface (FEPI) issued a FREEMAIN storage request in an SZSPxxxx storage subpool. The request failed.

The values of X'r'r', the reason for failure, are:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'02'</td>
<td>Invalid subpool token given.</td>
</tr>
<tr>
<td>Parameter</td>
<td>Meaning</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>X'03'</td>
<td>The address of the element to be freed is invalid.</td>
</tr>
<tr>
<td>X'06'</td>
<td>Invalid length of element specified.</td>
</tr>
<tr>
<td>X'07'</td>
<td>Length of element not specified.</td>
</tr>
<tr>
<td>X'08'</td>
<td>Access was denied to the storage subpool.</td>
</tr>
<tr>
<td>X'10'</td>
<td>The specified storage subpool was empty.</td>
</tr>
<tr>
<td>X'12'</td>
<td>An abnormal end occurred in the storage manager.</td>
</tr>
<tr>
<td>X'13'</td>
<td>A loop was detected in the storage manager.</td>
</tr>
</tbody>
</table>

The values of X'ee', the response to the failed request, are:

<table>
<thead>
<tr>
<th>Response</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'01'</td>
<td>Request completed successfully.</td>
</tr>
<tr>
<td>X'02'</td>
<td>Exception response generated.</td>
</tr>
<tr>
<td>X'03'</td>
<td>Disaster response generated.</td>
</tr>
<tr>
<td>X'04'</td>
<td>Invalid response generated.</td>
</tr>
<tr>
<td>X'05'</td>
<td>A kernel error was detected.</td>
</tr>
<tr>
<td>X'06'</td>
<td>The request was purged.</td>
</tr>
</tbody>
</table>

All of these responses indicate that a system error occurred.

**System Action:** The request is rejected, and a retry is not attempted (perhaps leaving storage that is never subsequently accessible). An exception trace entry is generated.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CSZL

**DFHSZ4015 I** date time applid FEPI ended abnormally.

**Explanation:** The Front End Programming Interface (FEPI) has ended abnormally.

**System Action:** A system dump is taken. All EXEC CICS FEPI commands are made unavailable.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console and Transient Data Queue CSZL

**Module:** DFHSZRMP(DFHSZSIP)

**XMEOUT Parameters:** date, time, applid

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>XMEOUT</td>
<td>date time applid X'rr', X'ee'</td>
</tr>
</tbody>
</table>

**DFHSZ4101 I** date time applid FEPI node nnnnnnnn installed, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) has successfully installed the named node.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRII)

**XMEOUT Parameters:** date, time, applid, nnnnnnnn, xxxx

**DFHSZ4102 W** date time applid FEPI node nnnnnnnn installation failed, code rr, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) cannot install the named node. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL NODE command.

**System Action:** Processing continues.

**User Response:** Investigate the failure, and correct it.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRII)

**XMEOUT Parameters:** date, time, applid, nnnnnnnn, rr, xxxx

**DFHSZ4103 I** date time applid FEPI node nnnnnnnn discarded, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) has successfully discarded the named node.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRDN)

**XMEOUT Parameters:** date, time, applid, nnnnnnnn, xxxx

**DFHSZ4104 I** date time applid FEPI node nnnnnnnn discard scheduled, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) has scheduled the discard operation for the named node.

**System Action:** Processing continues. The node is discarded when it becomes inactive.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRID)

**XMEOUT Parameters:** date, time, applid, nnnnnnnn, xxxx
**Explanation:** The Front End Programming Interface (FEPI) cannot discard the named node. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD NODE command.

**System Action:** Processing continues.

**User Response:** Investigate the failure, and correct it.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRID)

**XMEOUT Parameters:** date, time, applid, nnnnnnnn, rrr, xxxx

**Explanation:** The Front End Programming Interface (FEPI) has successfully installed the named pool which has the characteristics of the named property set.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRII)

**XMEOUT Parameters:** date, time, applid, pppppppp, yyyyyyyy, xxxx

**Explanation:** The Front End Programming Interface (FEPI) cannot install the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL POOL command.

**System Action:** Processing continues.

**User Response:** Investigate the failure, and correct it.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRII)

**XMEOUT Parameters:** date, time, applid, pppppppp, rrr, xxxx

**Explanation:** The Front End Programming Interface (FEPI) has successfully discarded the named pool.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRDG)

**XMEOUT Parameters:** date, time, applid, pppppppp, xxxx

**Explanation:** The Front End Programming Interface (FEPI) has scheduled the discard operation for the named pool.

**System Action:** Processing continues. The pool is discarded when it becomes inactive.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRID)

**XMEOUT Parameters:** date, time, applid, pppppppp, xxxx

**Explanation:** The Front End Programming Interface (FEPI) cannot discard the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD POOL command.

**System Action:** Processing continues.

**User Response:** Investigate the failure, and correct it.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRII)

**XMEOUT Parameters:** date, time, applid, tttttttt, rrr, xxxx

**Explanation:** The Front End Programming Interface (FEPI) has successfully installed the named target.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRII)

**XMEOUT Parameters:** date, time, applid, tttttttt, xxxx

**Explanation:** The Front End Programming Interface (FEPI) cannot install the named target. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL TARGET command.

**System Action:** Processing continues.

**User Response:** Investigate the failure, and correct it.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRII)

**XMEOUT Parameters:** date, time, applid, tttttttt, rrr, xxxx

**Explanation:** The Front End Programming Interface (FEPI) has successfully discarded the named target.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRDG)

**XMEOUT Parameters:** date, time, applid, tttttttt, xxxx

**Explanation:** The Front End Programming Interface (FEPI) has successfully discarded the named target.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRDG)

**XMEOUT Parameters:** date, time, applid, tttttttt, xxxx
**DFHSZ4114** I date time applid FEPI target tttttttt discard scheduled, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) has scheduled the discard operation for the named target.

**System Action:** Processing continues. The target is discarded when it becomes inactive.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRID)

**XMEOUT Parameters:** date, time, applid, tttttttt, xxxx

---

**DFHSZ4115** W date time applid FEPI target tttttttt discard failed, code rrr, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) cannot discard the named target. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD TARGET command.

**System Action:** Processing continues.

**User Response:** Investigate the failure, and correct it.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRID)

**XMEOUT Parameters:** date, time, applid, tttttttt, rrr, xxxx

---

**DFHSZ4116** I date time applid FEPI property set yyyyyyyyyy installed, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) has successfully installed the named property set.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRII)

**XMEOUT Parameters:** date, time, applid, yyyyyyyyyy, xxxx

---

**DFHSZ4117** W date time applid FEPI property set yyyyyyyyyy installation failed, code rrr, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) cannot install the named property set. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL PROPERTYSET command.

**System Action:** Processing continues.

**User Response:** Investigate the failure, and correct it.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRII)

**XMEOUT Parameters:** date, time, applid, yyyyyyyyyy, rrr, xxxx

---

**DFHSZ4118** I date time applid FEPI property set yyyyyyyyyy discarded, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) has successfully discarded the named property set.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSZL

---

**DFHSZ4119** W date time applid FEPI property set yyyyyyyyyy discard failed, code rrr, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) cannot discard the named property set. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD PROPERTYSET command.

**System Action:** Processing continues.

**User Response:** Investigate the failure, and correct it.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRID)

**XMEOUT Parameters:** date, time, applid, yyyyyyyyyy, rrr, xxxx

---

**DFHSZ4120** I date time applid FEPI node nnnnnnnn added to pool pppppppp, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) has successfully added the named node to the named pool.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRII)

**XMEOUT Parameters:** date, time, applid, nnnnnnnn, pppppppp, xxxx

---

**DFHSZ4121** W date time applid FEPI node nnnnnnnn not added to pool pppppppp, code rrr, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) cannot add the named node to the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI ADD POOL command.

**System Action:** Processing continues.

**User Response:** Investigate the failure, and correct it.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRII)

**XMEOUT Parameters:** date, time, applid, nnnnnnnn, pppppppp, rrr, xxxx

---

**DFHSZ4122** I date time applid FEPI node nnnnnnnn deleted from pool pppppppp, for transaction xxxx.

**Explanation:** The Front End Programming Interface (FEPI) has successfully deleted the named node from the named pool.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSZL

**Module:** DFHSZRMP(DFHSZRID)

**XMEOUT Parameters:** date, time, applid, nnnnnnnn, pppppppp, xxxx

---
DFHSZ4123  W date time applid FEPI node nnnnnnnn not deleted from pool pppppppp, code rr, for transaction xxxx.

Explanation: The Front End Programming Interface (FEPI) cannot delete the named node from the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DELETE POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL
Module: DFHSZRMP(DFHSZRID)
XMEOUT Parameters: date, time, applid, nnnnnnnn, pppppppp, rr, xxxx

DFHSZ4124  I date time applid FEPI target tttttttt added to pool pppppppp, for transaction xxxx.

Explanation: The Front End Programming Interface (FEPI) has successfully added the named target to the named pool.

System Action: Processing continues.

User Response: None.

Destination: CSZL
Module: DFHSZRMP(DFHSZRII)
XMEOUT Parameters: date, time, applid, tttttttt, pppppppp, xxxx

DFHSZ4125  W date time applid FEPI target tttttttt not added to pool pppppppp, code rr, for transaction xxxx.

Explanation: The Front End Programming Interface (FEPI) cannot add the named target to the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI ADD POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL
Module: DFHSZRMP(DFHSZRII)
XMEOUT Parameters: date, time, applid, tttttttt, pppppppp, rr, xxxx

DFHSZ4126  I date time applid FEPI target tttttttt deleted from pool pppppppp, for transaction xxxx.

Explanation: The Front End Programming Interface (FEPI) has successfully deleted the named target from the named pool.

System Action: Processing continues.

User Response: None.

Destination: CSZL
Module: DFHSZRMP(DFHSZRID)
XMEOUT Parameters: date, time, applid, tttttttt, pppppppp, xxxx

DFHSZ4127  W date time applid FEPI target tttttttt not deleted from pool pppppppp, code rr, for transaction xxxx.

Explanation: The Front End Programming Interface (FEPI) cannot delete the named target from the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DELETE POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL
Module: DFHSZRMP(DFHSZBST)
XMEOUT Parameters: date, time, applid, pppppppp, tttttttt, nnnnnnnn, xxxx

DFHSZ4128  W date time applid FEPI delete from pool pppppppp failed, code rr, for transaction xxxx.

Explanation: The Front End Programming Interface (FEPI) cannot do a delete operation on the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DELETE POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL
Module: DFHSZRMP(DFHSZRID)
XMEOUT Parameters: date, time, applid, pppppppp, rr, xxxx

DFHSZ4151  I date time applid Unsolicited data received for FEPI pool pppppppp target tttttttt node nnnnnnnn. Transaction xxxx started.

Explanation: The Front End Programming Interface (FEPI) has received some unsolicited data for the named pool-target-node connection, and started the named transaction to process this data.

System Action: Processing continues.

User Response: None.

Destination: CSZL
Module: DFHSZRMP(DFHSZBUN)
XMEOUT Parameters: date, time, applid, pppppppp, tttttttt, nnnnnnnn, xxxx

DFHSZ4152  I date time applid Begin-session processing required for FEPI pool pppppppp target tttttttt node nnnnnnnn. Transaction xxxx started.

Explanation: The Front End Programming Interface (FEPI) has invoked begin-session processing for the named pool-target-node connection, by starting the named transaction.

System Action: Processing continues.

User Response: None.

Destination: CSZL
Module: DFHSZRMP(DFHSZBSI)
XMEOUT Parameters: date, time, applid, pppppppp, tttttttt, nnnnnnnn, xxxx

DFHSZ4153  I date time applid STSN processing required for FEPI pool pppppppp target tttttttt node nnnnnnnn. Transaction xxxx started.

Explanation: The Front End Programming Interface (FEPI) has invoked STSN processing for the named pool-target-node connection, by starting the named transaction.

System Action: Processing continues.

User Response: None.

Destination: CSZL
Module: DFHSZRMP(DFHSZBST)
XMEOUT Parameters: date, time, applid, pppppppp, tttttttt, nnnnnnnn, xxxx
DFHSZ4154 W date time applid FEPI session setup in pool pppppppp to target tttttttt and node nnnnnnnn failed with a reason code of X'rrrrrr'. Setup will be retried later.

Explanation: The Front End Programming Interface (FEPI) has detected an error during session setup for the named pool-target-node connection. Refer to VTAM Messages and Codes or to SNA Formats for a description of the reason code (error code or sense code) that describes this error.

System Action: Processing continues; the session setup is tried again after a short interval, using a different node if one is available.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBLO)

XMEOUT Parameters: date, time, applid, pppppppp, tttttttt, nnnnnnnn, X'rrrrrr'

DFHSZ4155 W date time applid FEPI session in pool pppppppp to target tttttttt and node nnnnnnnn ended with a reason code of X'rrrrrr'.

Explanation: The Front End Programming Interface (FEPI) has detected this VTAM event for the named pool-target-node connection. Refer to VTAM Messages and Codes or to SNA Formats for a description of the reason code (error code or sense code) that describes this event.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBLO)

XMEOUT Parameters: date, time, applid, pppppppp, tttttttt, nnnnnnnn, X'rrrrrr'

DFHSZ4156 I date time applid End-session processing required for FEPI pool pppppppp target tttttttt node nnnnnnnn, Transaction xxxx started.

Explanation: The Front End Programming Interface (FEPI) invoked end-session processing for the named pool-target-node connection, by starting the named transaction.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBFT)

XMEOUT Parameters: date, time, applid, pppppppp, tttttttt, nnnnnnnn, xxxx

DFHSZ4157 W date time applid FEPI session setup in pool pppppppp to target tttttttt and node nnnnnnnn failed with a reason code of X'rrrrrr'. Setup will not be retried.

Explanation: The Front End Programming Interface (FEPI) has detected an error during session setup for the named pool-target-node connection. Refer to VTAM Messages and Codes or to SNA Formats for a description of the reason code (error code or sense code) that describes this error. Setting up a session for this connection has failed several times.

System Action: Processing continues; the session setup for this connection is not tried again.

User Response: None; operator intervention may be needed to make the connection available.

Destination: CSZL

Module: DFHSZRMP(DFHSZBLO)

XMEOUT Parameters: date, time, applid, pppppppp, tttttttt, nnnnnnnn, X'rrrrrr'

DFHSZ4158 W date time applid The VTAM OPEN request for FEPI node nnnnnnnn failed with a reason code of X'rrrrrr'. This operation will be retried.

Explanation: The Front End Programming Interface (FEPI) has detected an error during VTAM OPEN processing for the named node.

The possible values of X'rrrrrr', the reason for failure, are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>X'00000000'</td>
<td>VTAM TPEND occurred with error code 0.</td>
</tr>
<tr>
<td>X'00000004'</td>
<td>VTAM TPEND occurred with error code 4.</td>
</tr>
<tr>
<td>X'00000008'</td>
<td>VTAM TPEND occurred with error code 8.</td>
</tr>
<tr>
<td>X'0000000C'</td>
<td>VTAM SETLOGON failed.</td>
</tr>
</tbody>
</table>

System Action: Processing continues; the VTAM OPEN for the node is repeated after a short interval.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBIO)

XMEOUT Parameters: date, time, applid, nnnnnnnn, X'rrrrrr'

DFHSZ4159 W date time applid The VTAM OPEN request for FEPI node nnnnnnnn failed with a reason code of X'rrrrrr'. This operation will not be retried.

Explanation: The Front End Programming Interface (FEPI) has detected an error during VTAM OPEN processing for the named node. The reason code is the error code returned by the VTAM OPEN operation. Refer to VTAM Programming for a description of these error codes.

System Action: Processing continues; the VTAM OPEN for the node is not repeated.

User Response: None; operator intervention may be needed to make the node available.

Destination: CSZL

Module: DFHSZRMP(DFHSZBIO)

XMEOUT Parameters: date, time, applid, nnnnnnnn, X'rrrrrr'

DFHSZ4201 I date time applid FEPI node nnnnnnnn now has status (INSERVICE | OUTSERVICE | GOINGOUT), (ACQUIRED | RELEASED | ACQUIRING | RELEASING).

Explanation: The status of a Front End Programming Interface (FEPI) node has been changed by an EXEC CICS FEPI SET NODE or a CEMT SET FENODE command, and is now as described.

System Action: Processing continues.
DFHSZ4202 | date time applid FEPI pool ppppppp now has status \{INSERVICE | OUTSERVICE | GOINGOUT\}.

User Response: None
Destination: CSZL
Module: DFHSZRMP(DFHSZRIW)
XMEOUT Parameters: date, time, applid, ppppppp, \{1=INSERVICE, 2=OUTSERVICE, 3=GOINGOUT\}

Explanation: The status of a Front End Programming Interface (FEPI) pool has been changed by an EXEC CICS FEPI SET POOL or a CEMT SET FEPOOL command, and is now as described.
System Action: Processing continues.

DFHTC1001 applid Terminal control initialization failed (modname).

Explanation: The CICS terminal control restart task could not complete because a necessary step failed. The task has done some essential recovery operations and has abnormally terminated itself with code ATC1.
System Action: CICS writes a transaction dump for the terminal control restart task. CICS has issued all the VTAM resources defined by TCT macros. CICS has issued other message(s) identifying which resources could not be installed.
User Response: If CICS completes initialization, processing of VTAM resources will be invalid. You should cancel CICS, make modname available and then restart CICS.
Destination: Console
Module: DFHTCRP
XMEOUT Parameters: applid, modname

Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without terminal control. If you reply 'CANCEL', CICS terminates abnormally with a dump. Use the messages and dumps to find out the cause of the failure. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

DFHTC1004 applid Program DFHTORP cannot be found. Typeterms cannot be initialized

Explanation: The CICS terminal object resolution program, DFHTORP, is not available. CICS cannot find DFHTORP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.
System Action: CICS terminates abnormally with a dump.
User Response: To correct this error, place DFHTORP in a partitioned data set in the DFHRPL DD statement.
Destination: Console
Module: DFHTCRP
XMEOUT Parameter: applid

Message DFHTCT assembly was corrupted, or
A previous CICS message such as DFHTC1011, or

DFHTC1011 applid Unable to load xxxx During a CICS cold or initial start, CICS could not PC LOAD the CICS module, DFHxxxxx, probably because it is missing from the library.

Explanation: The CICS terminal control recovery program, DFHTCRP, is unavailable. CICS cannot find DFHTCRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.
System Action: CICS terminates abnormally with a dump.
User Response: To correct this error, place DFHTCRP in a partitioned data set in the DFHRPL DD statement.
Destination: Console
Module: DFHTCRP
XMEOUT Parameter: applid

Message DFHTCT assembly was corrupted, or
A previous CICS message such as DFHTC1011, or
• CICS code contains a logic error.

If you suspect an error in CICS, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console
**Module:** DFHTCRP
**XMEOUT Parameter:** applid

---

**DFHTC1013** applid Restore failed for xxxxxx

**Explanation:** During a warm or emergency restart, CICS could not restore the resource xxxxxx.

**System Action:** CICS continues initialization.

**User Response:** If resource xxxxxx is essential to your system, cancel CICS. This problem is probably caused by a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console
**Module:** DFHTCRP
**XMEOUT Parameters:** applid, xxxxxx

---

**DFHTC1014** date time applid Communication resource definition for (resname) was not restored from the catalog because the resource definition for (highname) was not installed.

**Explanation:** During an emergency restart, CICS could not restore the resource resname from the catalog, because the definition for another resource highname that it depends on is not present. Usually resname is a session or modegroup and highname is a connection.

**System Action:** CICS continues restart, and deletes this resource from the CICS catalog. If the definition referred to was being installed when the previous CICS failed, both definitions are restored from the system log later in the restart.

**User Response:** If resource resname is essential to your system and is not restored later in initialization you can reinstall the resource having first installed the resource that it depends on. This message can be caused by:

- An install which was not complete when CICS failed, in which case it is forward recovered from the system log later, and no action is needed.
- A failure during warm shutdown in the previous run. In this case messages are produced for connections that were autoinstalled and were not uncataloged by the warm shutdown. In this case some auto-installed connections which would have been removed from the catalog if the warm shutdown had completed are recovered, but those which cause these messages are not.
- A corrupted CICS catalog. If large numbers of unrelated resources are missing, and the preceding CICS run was not warm keypointing at the time of failure, the catalog may have been corrupted. CICS continues, but you may want to initial start in order to get your definitions to a known state.
- A CICS logic error. In this case you need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSMT

**Module:** DFHTCRP
**XMEOUT Parameters:** date, time, applid, resname, highname

---

**DFHTC1015** applid TCT load module contains obsolete entries

**Explanation:** During CICS initialization, the TCT load module DFHTCTxx (xx being the suffix) was found to contain entries not generated by the assembly macros for this release of CICS. This table cannot be used.

**System Action:** The bring-up is abandoned.

**User Response:** Either the incorrect TCT suffix was specified or implied, or the TCT has been assembled against the wrong level of CICS macros. Retry the bring-up, specifying a different suffix, or using a TCT assembled against the correct macros, as appropriate.

**Destination:** Console
**Module:** DFHAPSIP
**XMEOUT Parameter:** applid

---

**DFHTC1022** applid Error for XRF tracking record - Type: type - Key: key

**Explanation:** An error during XRF tracking prevented a change to a resource from being tracked. The resource is of type type and is associated with key key.

**Type** is the tracking record type. This is one of the following:

- **TCT CONTENTS**
- **ZCP SESSIONS**

**Key** is the location of an object in the TCTTE hierarchy.

**System Action:** The associated resource is in an incorrect state, missing, or not deleted at the end of takeover.

**User Response:** Decide whether the named resource is critical and see if you can resolve the problem.

**Destination:** Console
**Module:** DFHTCRP
**XMEOUT Parameters:** applid, type, key

---

**DFHTC1023** applid Logic error in tracking condition

**Explanation:** During XRF tracking, a condition was detected which is not possible within the intended design. The insert indicates which of the checked conditions has been detected:

1. No broadcast message accepted outside tracking. The GETMSG routine in DFHTCRP should only accept broadcast messages and those whose id matches that in field GETMSPEC. This field should only be set during tracking.
2. Broadcast message with null key. A null-key record indicates that the catch-up stream that it arrives in is complete. This can only happen to the broadcast tracking stream if the active has just done a normal (warm) shut-down.

**System Action:** The message in question is ignored.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console
**Module:** DFHTCRP
**XMEOUT Parameters:** applid, condition
DFHTC1024I  applid XRF takeover while catching up.

Explanation: The alternate CICS that issued this message has only just started. Apparently the active CICS failed before the alternate could obtain all the information about TCT resources in the active. Please refer to messages DFHTC1034-DFHTC1036 for details of the types of information which may be missing or may be incomplete.

System Action: Takeover continues.

User Response: Watch for further messages.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: applid

DFHTC1034I  applid TCT contents incomplete. Will read catalog.

Explanation: DFHTC1024 provides background information for this message. Apparently, the active CICS failed before the alternate CICS could obtain the definitions for all the trackable resources in the active’s TCT. Definitions may be missing at this point. However, the CICS catalog in the active may contain a more complete set of definitions in the restart data set. These will now be read as for a warm or emergency restart.

System Action: Takeover continues.

User Response: Look out for any errors while reading the CICS catalog.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: applid

DFHTC1035I  applid Session states may be incorrect

Explanation: DFHTC1024 provides background information for this message. Apparently, the active CICS failed before the alternate CICS could obtain the session-state for all the trackable resources in the active’s TCT. States may be incorrect at this point.

System Action: Takeover continues.

User Response: Be prepared for some logical units (LUs) that were ACQUIRED in the old active not to be after the takeover.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: applid

DFHTC1034I  applid Unimplemented tracking-type incomplete: xxxx

Explanation: DFHTC1024 provides background information for this message. Apparently, the active CICS failed before the alternate CICS had been sent all the information regarding a type of resource which has not been implemented. This does not have any serious consequences as the information would have been thrown away. However, it does indicate a level of incompatibility between the old active system and this system.

System Action: Takeover continues.

User Response: Decide whether the implied level incompatibility exists and is expected. DFHTCRP

XMEOUT Parameters: applid, xxxx

DFHTC1040I  applid nnnn Terminal control tracking records received.

Explanation: An alternate is standing by and has received nnnn terminal control tracking messages from the active.

System Action: Tracking continues.

User Response: None.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: applid, nnnn

DFHTC1041I  applid Terminal control tracking started.

Explanation: An alternate is initializing, and is now about to start accepting messages from the active. Message DFHTC1044 should appear shortly.

System Action: Initialization continues.

User Response: None.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: applid

DFHTC1042I  applid Waiting for terminal control tracking to drain.

Explanation: An alternate is taking over and is processing the remaining few tracking records from the active. This message is issued every 15 seconds while the takeover is held up for processing to complete. This is potentially an error, especially if it is repeated an unusual number of times. The likely causes include a delay in STANDBY BIND or UNBIND processing in VTAM, or a CICS logic error. The system issues this message twice and then flushes the outstanding tracking activity as described in message DFHTC1046.

User Response: Look for message DFHTC1046.

Destination: Console

Module: DFHZXQO

XMEOUT Parameter: applid

DFHTC1043I  applid Terminal control tracking ended - nnn records received.

Explanation: An XRF alternate system is taking over. The last of the terminal control tracking records from the failing active system has been received and is being processed.

System Action: Takeover continues.

User Response: None.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: applid, nnn

DFHTC1044I  applid Terminal control catch-up started.

Explanation: An XRF alternate system is preparing to standby and has received the first message from the active containing information about terminal control resources installed and/or bound before this alternate was started.

System Action: Initialization continues.

User Response: None.

Destination: Console
DFHTC1045I applid Terminal control catch-up complete.
Explanation: An XRF alternate system is standing by, and has now received all the terminal control information it needs about terminal control resources installed and/or bound in the active before this alternate was started.
System Action: Normal tracking continues.
User Response: None.
Destination: Console
Module: DFHTCRP
XMEOUT Parameter: applid

DFHTC1046I applid Flushing terminal control tracking.
Explanation: An alternate is taking over and is processing the remaining few tracking records from the active. Message DFHTC1042 has been issued twice. DFHZXQO is now doing a controlled flush of the outstanding activity.
System Action: CICS posts one outstanding action every 2 seconds in an attempt to free the hold-up. A system dump is taken for the first action only.
User Response: This processing only occurs when an error or unforeseen circumstance arises. If the problem can be reproduced, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: Console
Module: DFHTCRP
XMEOUT Parameters: applid, 'X'code'

DFHTC1047I applid Higher node missing. Record dropped for key.
Explanation: An XRF alternate has received a tracking message from the active CICS, but either the associated system entry for this terminal is not present, or the ordering of terminal catalog records on the restart data set is incorrect (in that the terminal in error comes before the associated system entry).
key is the location of an object in the TCTTE hierarchy. This situation occurs if the active CICS was unable to send all of its tracking messages. This sometimes results in the system entry not being sent.
System Action: The tracking message is discarded and so the associated action (an INSTALL or LOGON) is not performed.
User Response: Ensure the CAVM message data set is large enough and restart the alternate. Check that the active CICS job is referring to the correct restart data set.
Destination: Console
Module: DFHTCRP
XMEOUT Parameters: applid, key

DFHTC2500 date time applid {Line | CU | Terminal } out of service {Term | W/Term } termid
Explanation: This message indicates the OUT-OF-SERVICE conditions on completion of error processing in DFHTACP. It is possible that some of these conditions were true before the error was detected.
System Action: Other processing continues.
User Response: None.
Destination: CSMT
Module: DFHTACP
XMEOUT Parameters: date, time, applid, {1=Line, 2=CU, 3=Terminal}, {1=Term, 2=W/Term}, termid

DFHTC2501 Msg too long, please resubmit
Explanation: The terminal operator has keyed in more data than was expected for this READ.
System Action: The transaction in progress is terminated.
User Response: Reset the terminal and restart the transaction after the message TRANSACTION HAS BEEN ABENDED has been received.
Destination: Terminal End User
Module: DFHTACP
DFHTC2502  date time applid  TCT search error  [on line w/term 1 at term 1termid, trans 1, dest 1traniddestid], rel line=]r, time

Explanation: An invalid terminal address was received on the line identified by terminal termid. This error can normally occur only on control unit devices such as a 2980 or a 3270. This is because CICS uses general polling and not all terminals on the control unit may be defined to CICS. All other conditions are undefined. The optional part of the message "destdestid" applies only to TCAM. The destination destid is given when it does not match any of the network names (netnames) specified on the TCTTE generation.

System Action: The control unit is placed out of service or, if it is not a general polled device, the line is placed out of service.

User Response: Ensure that all terminals on the failing control unit are defined in the terminal control table (TCT).

Where applicable, ensure that the TCAM MCP terminal generation names match the CICS DFHTCT TYPE=TERMINAL NETNAME parameter.

Destination: CSMT
Module: DFHTACP
XMEOUT Parameters: date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time

DFHTC2506  date time applid  Output event rejected return code  zz  [on line w/term 1 at term 1termid, trans 1tranid], rel line=]r, time

Explanation: An output operation was attempted but was halted by the I/O routines and resulted in the SAM return code zz. If an abnormal condition is detected after a READ or WRITE macro, the operation is not started, and control is returned to the user program at the instruction following the READ or WRITE macro.

System Action: The line is placed out of service.

User Response: Ensure that the system is dumped at shutdown time in order to document the failure. For an explanation of the SAM return codes, zz, refer to the OS/VS SAM manual, (GC27-6980).

Destination: CSMT
Module: DFHTACP
XMEOUT Parameters: date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time

DFHTC2507  date time applid  Input event rejected return code  zz  [on line w/term 1 at term 1termid, trans 1tranid], rel line=]r, time

Explanation: An input operation was attempted but was halted by the I/O routines, and resulted in the SAM return code zz. If an abnormal condition is detected after a READ or WRITE macro instruction, the operation is not started, and control is returned to your program at the instruction following the READ or WRITE macro instruction.

System Action: The line is placed out of service.

User Response: Ensure the system is dumped at shutdown time in order to document the failure.

Destination: CSMT
Module: DFHTACP
XMEOUT Parameters: date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time

DFHTC2511  date time applid  Invalid write request  [on line w/term 1 at term 1termid, trans 1tranid], rel line=]r, time

Explanation: This message is issued when one of the following has occurred.
1. A transaction has issued a write to its terminal facility that currently has a terminal status of input.
2. A transaction has issued a write to a 3735 during batch transmission prior to receipt of the end-of-file (EOF) condition.

System Action: The write request is not executed, and the transaction terminates abnormally. CICS processing continues.

User Response: The user response depends on the condition that has occurred. For condition
1. ensure that transactions do not issue write requests to terminals in input status.
2. ensure that the 3735 batch transaction does not issue its first write request before it has received the EOF condition.

Destination: CSTL
Module: DFHTACP
XMEOUT Parameters: date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time

DFHTC2513  date time applid  Output length zero  [on line w/term 1 at term 1termid, trans 1tranid], rel line=]r, time

Explanation: The data length in TIOATDL was not positive for a write operation.

System Action: The transaction is abnormally terminated.

User Response: Correct the zero or negative data length specification in the application program.

Destination: CSMT
Module: DFHTACP
XMEOUT Parameters: date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time

DFHTC2514  date time applid  No output area provided  [on line w/term 1 at term 1termid, trans 1tranid], rel line=]r, time

Explanation: A write was requested on terminal termid by transaction tranid. However, the TCTTEDA field was not initialized.

System Action: The write request is not executed, and the transaction terminates abnormally. CICS processing continues.

User Response: Ensure that transaction tranid obtains the required storage and initializes the TCTTEDA field.

Destination: CSTL
Module: DFHTACP
XMEOUT Parameters: date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time
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DFHTC2515 date time applid Output area exceeded
{on line w/term l at term }termid{, trans }tranid{, rel line=}{rr, time

Explanation: One of the following has occurred:
- The terminal I/O area (TIOA) is not large enough to contain both the data and carrier control characters.
- The TIOA data length is greater than the TCAM block size specified in the DFHTCT TYPE=SDSCI macro.
- The application requires a TIOA larger than 32767 bytes.

System Action: The write request is not executed, the terminal write storage is freed (if possible), and the transaction terminates abnormally. CICS processing continues.

User Response: Ensure that application programs do not set the value of TIOATDL greater than the TIOA GETMAIN size, and that the TIOA data length is not greater than the TCAM blocksize. Also ensure that the application program does not require a TIOA larger than 32767 bytes.

Destination: CSTL
Module: DFHTACP

XMEOUT Parameters: date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time

DFHTC2516 date time applid Unit check SNS=ss
{on line w/term l at term }termid{, trans }tranid{, rel line=}{rr, time

Explanation: A unit check error has occurred on the line defined by terminal termid. The sense (SNS=ss) is provided. D/T 3275 dialed gives an automatic two-minute time out if there is no activity on the line.

System Action: The line is placed out of service on SAM lines. Intervention on a switched line causes the task to be abnormally terminated and the line to be logically disconnected. Intervention on a non-switched line with a dummy (unidentified) terminal causes the line to be placed out of service and the transaction to be abnormally terminated.

User Response: Examine the system console log message generated by SAM for this error and have the unit error corrected.

Destination: CSMT
Module: DFHTACP

XMEOUT Parameters: date, time, applid, ss, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time

DFHTC2517 date time applid Unit check SNS=ss, S.N.O.
{on line w/term l at term }termid{, trans }tranid{, rel line=}{rr, time

Explanation: A unit check error has occurred on the line defined by terminal termid. SAM indicates this error as undefined - S.N.O (should not occur). The sense (SNS=ss) is provided.

System Action: The line is placed out of service on SAM lines. Intervention on a switched line causes the task to be abnormally terminated and the line to be logically disconnected. Intervention on a non-switched line with a dummy (unidentified) terminal causes the line to be placed out of service and the transaction (task) to be abnormally terminated. With a real terminal, intervention causes the terminal to be placed out of service and the transaction to be abnormally terminated.

User Response: Examine the system console log message generated by SAM for this error and have the unit error corrected.

Destination: CSMT
Module: DFHTACP

XMEOUT Parameters: date, time, applid, ss, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time

DFHTC2518 date time applid Unit exception on
{on line w/term l at term }termid{, trans }tranid{, rel line=}{rr, time

Explanation: A unit exception error occurred on the line defined by terminal termid.

System Action: With a:
- Switched line, the transaction is abnormally terminated and the line is logically disconnected.
- Dummy terminal, the line is placed out of service.
- Real terminal, the terminal is placed out of service and the transaction is abnormally terminated.

User Response: Examine the system console log message generated by SAM for this error and have the unit error corrected.

Destination: CSMT
Module: DFHTACP

XMEOUT Parameters: date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time

DFHTC2519 date time applid Unit exception S.N.O.
{on line w/term l at term }termid{, trans }tranid{, rel line=}{rr, time

Explanation: A unit exception error has occurred on the line defined by terminal termid. SAM indicates this error as undefined - S.N.O (should not occur).

System Action: With a:
- Switched line, the transaction is abnormally terminated and the line is logically disconnected.
- Dummy terminal, the line is placed out of service.
- Real terminal, the terminal is placed out of service and the transaction is abnormally terminated.
DFHTC2521

**User Response:** Examine the system console log message generated by SAM for this error. Have the unit error corrected.

**Destination:** CSMT

**Module:** DFHTACP

**XMEOUT Parameters:** date, time, applid, {1=on line w/term, 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time

**Explanation:** An I/O error (that was not a unit check, a unit exception, or a negative response) occurred on the line defined by terminal termid.

**System Action:** The line associated with terminal termid is placed out of service.

**User Response:** Examine the system console log message generated by SAM for this error. Have the unit error corrected.

**Destination:** CSMT

**Module:** DFHTACP

**XMEOUT Parameters:** date, time, applid, {1=on line w/term, 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time

**Explanation:** The task associated with terminal termid and transaction tranid was to have been abnormally terminated, but TPURGE(NO) was specified in the CSD definition for this task.

**System Action:** The terminal is placed out of service.

**User Response:** Use the master terminal facility to intercept or terminate the task.

**Destination:** CSMT

**Module:** DFHTACP

**XMEOUT Parameters:** date, time, applid, {1=module DFHTEP is not AMODE 31 | module DFHTEP could not be loaded | there is no PPT entry for program DFHTEP}

**Explanation:** CICS attempted to link to user replaceable module DFHTEP. The link failed. One or more of the default actions described in message DFHTC2538 have been taken.

**System Action:** The default action(s) set by DFHTACP are taken.

**User Response:** Refer to message DFHTC2538 for an explanation of the default action(s) that have been taken.

**Possible solutions are:**
- Ensure that DFHTEP is linked with AMODE 31.
- Ensure that DFHTEP is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
- Ensure that the PPT entry for module DFHTEP exists and is valid.

**Destination:** CSMT

**Module:** DFHTACP

**XMEOUT Parameters:** date, time, applid, {1=module DFHTEP is not AMODE 31 | module DFHTEP could not be loaded | there is no PPT entry for program DFHTEP}

**Explanation:** While processing an error for a non-VTAM terminal, control is given to a user-written terminal error program, DFHTEP. The terminal is placed out of service.

**System Action:** The default action(s) set by DFHTACP are taken.

**User Response:** Code DFHTEP as dictated by environmental needs.

**Destination:** CSMT

**Module:** DFHTACP

**XMEOUT Parameters:** date, time, applid, {1=module DFHTEP is not AMODE 31 | module DFHTEP could not be loaded | there is no PPT entry for program DFHTEP}

**Explanation:** Input has occurred on a control unit (general poll) for which terminal termid is out of service or has a task that has not issued a DFHTC TYPE=READ macro.

**System Action:** No action is performed by CICS. Control is given to a user-written terminal error program, DFHTEP.

**User Response:** Code DFHTEP as dictated by environmental needs.

**Destination:** CSMT

**Module:** DFHTACP

**XMEOUT Parameters:** date, time, applid, {1=module DFHTEP is not AMODE 31 | module DFHTEP could not be loaded | there is no PPT entry for program DFHTEP}

**Explanation:** While processing an error for a non-VTAM terminal, user replaceable module DFHTEP was linked to and the program has abended with abend code abcode. One or more of the default actions described in message DFHTC2538 have been taken.

**System Action:** Control is passed back to the calling module DFHTACP. DFHTACP reinstates the default action(s) set before DFHTEP was called. The action(s) are then taken.

**User Response:** Refer to message DFHTC2538 for an explanation of the default action(s) that have been taken.

**Refer to abend code abcode for details of the original error. Follow the user response given in abend code abcode to solve the problem.**

**Destination:** CSMT

**Module:** DFHTACP

**XMEOUT Parameters:** date, time, applid, abcode
DFHTC2538 date time applid SNA protocol violation detected in query response at termid termid

Explanation: CICS has detected a violation of SNA protocols in a query response from device termid.

System Action: DFHQRY runs without effect.

User Response: Find out why an invalid query response is being sent to CICS.

Destination: CSMT

Module: DFHTQRY

XMEOUT Parameters: date, time, applid, termid

DFHTDxxxx messages

DFHTD0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a three-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; TS1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the OS/390 MVS System Codes manual. Then look up the CICS alphanumeric code. This tells you, for example, whether the error is a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA, DFHTDB, DFHTDRM, DFHTDOC

XMEOUT Parameters: applid, aaa/bbbb, X'offset', modname
DFHTD0100I applid Transient Data initialization has started.
Explanation: This is an informational message indicating that transient data initialization has started.
System Action: System initialization continues.
User Response: None. The message can be suppressed with the system initialization parameter MSGLVL=0.
Note: Do not attempt to reroute this message to a transient data queue.
Destination: Console
Module: DFHTDRP
XMEOUT Parameter: applid

DFHTD0101I applid Transient Data initialization has ended.
Explanation: This is an informational message indicating that transient data initialization has completed successfully.
System Action: System initialization continues.
User Response: None. The message can be suppressed with the system initialization parameter MSGLVL=0.
Note: Do not attempt to reroute this message to a transient data queue.
Destination: Console
Module: DFHTDRP, DFHTDRM
XMEOUT Parameter: applid

DFHTD0102I applid Transient Data initialization has failed.
Explanation: Transient data initialization has failed.
The SETXIT routine in DFHTDRP has been entered following abnormal termination of the transient data initialization task.
Alternatively an attempt to open the intrapartition data set failed.
System Action: Provided there are no subsequent serious errors which prevent further initialization of CICS, CICS issues one of two messages depending on what other errors, if any, have occurred during initialization.
If DFHSI1521 is issued, CICS initialization is terminated. If DFHSI1522 is issued, decide if CICS initialization is to be continued in degraded mode or to be terminated.
If, as part of a restart of CICS rather than during an initial start or a cold start, the intrapartition data set fails to open successfully when it was successfully opened on the previous CICS run, message DFHSI1521 is issued and CICS is terminated.
User Response: Check previous console messages, one of which should explain why transient data initialization has failed.
Note: Do not attempt to reroute this message to a transient data queue.
Destination: Console
Module: DFHTDRP
XMEOUT Parameter: applid

DFHTD0103I applid Transient Data initialization has been suspended pending takeover.
Explanation: This is an informational message indicating that transient data initialization has been suspended pending takeover. Some transient data initialization can be performed while CICS is operating in standby mode. However the remaining initialization cannot be performed until takeover is complete because transient data sets, with the exception of the DFHCXRF data set, are assumed to be passively shared.
System Action: System initialization continues.
User Response: None. The message can be suppressed with the SIT parameter MSGLVL=0.
Note: Do not attempt to reroute this message to a transient data queue.
Destination: Console
Module: DFHTDRP
XMEOUT Parameter: applid

DFHTD0104I applid Transient Data initialization has been resumed following takeover.
Explanation: This is an informational message indicating that transient data initialization has been resumed following takeover.
System Action: System initialization continues.
User Response: None. This message can be suppressed with the system initialization parameter MSGLVL=0.
Note: Do not attempt to reroute this message to a transient data queue.
Destination: Console
Module: DFHTDRP
XMEOUT Parameter: applid

DFHTD0105I applid Transient Data intrapartition queues will be initialized empty as EMPTY was specified on the TDINTRA SIT parameter.
Explanation: This is an informational message indicating that transient data is being initialized with TDINTRA=EMPTY specified on the SIT. This has the effect of initializing all intrapartition TD queues in an empty state. The TDINTRA SIT parameter is ignored during a cold or initial start.
System Action: System initialization continues.
User Response: None. The message can be suppressed with the system initialization parameter MSGLVL=0.
Note: Do not attempt to reroute this message to a transient data queue.
Destination: Console
Module: DFHTDRP
XMEOUT Parameter: applid

DFHTD0170I applid The intrapartition data set has been corrupted.
Explanation: During a warm or emergency restart, CICS has found that the contents of the intrapartition data set are not consistent with that in the DCTEs. The intrapartition data set could have been corrupted.
System Action: CICS terminates after producing a dump and writing an exception trace.
A system dump with dumpcode TD0170 is taken unless you have specifically suppressed dumps in the dump table.

**User Response:** Reinitialize the intrapartition data set. Perform a cold start or an initial start of CICS.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Module:** DFHTDRP

**XMEOUT Parameters:** applid, X’reason’, X’reason’, dfhxxyym

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**DFHTD0180** applid Unexpected response (code X’reason’) and reason (code X’reason’) from a dfhxxyym call.

**Explanation:** A transient data module cannot continue processing following the failure of a dfhxxyym call to domain xx.

The response (code X’reason’) and reason (code X’reason’) are those returned from the domain call (that is, xxyy_response and xxyy_reason).

**System Action:** This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0180 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Modules:** DFHTDA, DFHTDB, DFHTDOC, DFHTDRM

**XMEOUT Parameters:** applid, X’reason’, X’reason’, dfhxxyym

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**DFHTD0182** applid Unexpected response (code X’reason’) and reason (code X’reason’) from a dfhxxyym call.

**Explanation:** Module DFHTDRP cannot continue processing following the failure of a dfhxxyym call to domain xx.

The response (code X’reason’) and reason (code X’reason’) are those returned from the domain call (that is, xxyy_response and xxyy_reason).

**System Action:** This is a critical error. CICS writes a dump and terminates abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Modules:** DFHTDA, DFHTDB, DFHTDOC

**XMEOUT Parameters:** applid, X’reason’, X’reason’, dfhxxyym

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**DFHTD0183** applid Unexpected response (code X’reason’) and reason (code X’reason’) from a dfhxxyym call during processing of intrapartition queue queue.

**Explanation:** The trigger level has been reached for intrapartition transient data queue queue.

Module DFHTDB or DFHTDRM could not initiate the associated transaction following the response of a dfhxxyym call to domain xx.

The response (code X’reason’) and reason (code X’reason’) are those returned from the domain call (that is, xxyy_response and xxyy_reason).

Initiation of the associated transaction has failed.

**System Action:** This is probably a CICS logic error.

Each subsequent write to the transient data queue causes another attempt to initiate the transaction, which will fail. However, this message is only issued the first time the error is detected.

CICS writes a dump and continues processing. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Modules:** DFHTDB, DFHTDRM

**XMEOUT Parameters:** applid, X’reason’, X’reason’, dfhxxyym, queue

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**DFHTD0240** applid Queue queue (DD name ddname) is full.

**Explanation:** No more data can be written to extrapartition queue queue.

A system abend, MVS code X’37’, has occurred during processing on the data set with ddname ddname.

**System Action:** If the system abend occurs during processing of an EXEC CICS WRITEQ TD command, the NOSPACE condition is returned.

If the system abend occurs during processing of an EXEC CICS SET TDQUEUE CLOSED command, the data set is not closed and the IOERR condition is returned.

Note that a second attempt to close the data set succeeds.

**User Response:** Consider allocating more space to the data set before you bring CICS up again.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Modules:** DFHTDA, DFHTDOC

**XMEOUT Parameters:** applid, queue, ddname
DFHTD0242 applid Abend abcode has been detected during processing for queue queue (DD name ddname).

Explanation: A system abend, MVS code abcode, has occurred during processing on the extrapartition queue queue (that is, the data set with ddname ddname).

System Action: A system dump with dumpcode TD0242 is taken unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, and the IOERROR condition is returned.

User Response: Examine the CICS job log. QSAM issues a message explaining the reason for the system abend. See OS/390 MVS System Messages for a description of this message.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA, DFHTDOC

XMEOUT Parameters: applid, abcode, queue, ddname

DFHTD0244 applid An I/O error has occurred during an output operation to an extrapartition dataset for queue queue. (DD name = ddname).

Explanation: An I/O error has occurred during the processing of an output operation to the extrapartition data set ddname on queue queue.

System Action: An IOERR condition is returned. Subsequent put requests are returned IOERR.

User Response: Close data set ddname via CEMT. If the I/O errors persist after a subsequent open, you probably need to reallocate this data set on a different volume.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA, DFHTDOC

XMEOUT Parameters: applid, queue, ddname

DFHTD0245 applid NOSPACE condition on a PUT to the intrapartition data set (DD name ddname). The RBA of the next CI would have exceeded 2 gigabytes.

Explanation: An attempt to write to intrapartition transient data set with ddname ddname has failed due to a NOSPACE condition. CICS did attempt to extend the data set but the relative byte address (RBA) of the next control interval (CI), if it were added, would have exceeded 2 gigabytes (x'7FFFFFFF').

System Action: The system continues normally.

User Response: Delete unwanted transient data queues from the intrapartition data set.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDB

XMEOUT Parameters: applid, ddname

DFHTD0246 applid An I/O error has occurred during an input operation to an extrapartition dataset for queue queue. (DD name = ddname).

Explanation: An I/O error has occurred during the processing of an input operation to the extrapartition data set ddname on queue queue.

System Action: An IOERR condition is returned. Subsequent put requests are returned IOERR.

User Response: Close data set ddname via CEMT. If the I/O errors persist after a subsequent open, you probably need to reallocate this data set on a different volume.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA, DFHTDOC

XMEOUT Parameters: applid, queue, ddname

DFHTD0250 applid Dynamic allocation of queue queue failed. Return code X'rrrr',X'cccc' in module module.

Explanation: While dynamically allocating queue queue, CICS transient data issued an MVS DYNALLOC macro. The DYNALLOC failed with return code cccc. rrrr is the additional return code in register 15.

System Action: CICS continues with queue queue closed.

User Response: For the meaning of the DYNALLOC return codes, see the OS/390 MVS Programming: Authorized Assembler Services Guide.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDOC

XMEOUT Parameters: applid, queue, X'rrrr', X'cccc', module

DFHTD0251 applid Dynamic deallocation of queue queue failed. Return code - X'rrrr',X'cccc' in module module.

Explanation: While closing queue queue, CICS transient data issued the MVS macro, DYNALLOC, to dynamically deallocate the queue. Deallocation failed with the MVS return code, cccc. rrrr is the return code in register 15.

System Action: CICS continues with the queue closed, but still allocated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If you change the DSNAME in the DCTE, and then reopen the queue in the same CICS run, CICS may open the original data set. For an explanation of the MVS return code, see the OS/390 MVS Programming: Authorized Assembler Services Guide.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDOC
Chapter 1. DFH messages

**DFHTD0252**  
**applid Open of queue** queue failed. DSNAME not available from JCL or DCTE. Module module.

**Explanation:** An attempt by CICS to open queue queue failed because neither the JCL nor the DCTE specified the data set name.

CICS transient data has not opened queue queue, for the following reasons:
- At initialization time, the startup JCL did not include a DD statement.
- No user-submitted routine allocated the queue dynamically.
- The DCTE does not contain a DSNAME parameter to enable CICS to allocate the file dynamically.

**System Action:** CICS continues processing with queue queue closed.

**User Response:** Before resubmitting the transaction, supply the data set name in the JCL or the DCTE. You can set the name in the DCTE while CICS is running by using CEDA to correct and reinstall the DCT entry.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console  
**Module:** DFHTDOC  
**XMEOUT Parameters:** applid, queue, module

**DFHTD0341** **applid Transaction tranid associated with the trigger level for Transient Data queue queue has not been initiated.**

**Explanation:** The trigger level has been reached for transient data queue queue. Initiation of the associated transaction has failed due to an error in system set up.

**System Action:** Until the error is corrected, each subsequent write to the transient data queue causes another unsuccessful attempt to initiate the transaction. However, in order to avoid filling the log with messages, this message is only issued the first time the error is detected.

**User Response:** Check the definition for the queue in the DCT. The queue must have a transaction associated with it that exists, is defined as local, and is installed.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console  
**Modules:** DFHTDB, DFHTDRM  
**XMEOUT Parameters:** applid, tranid, queue

**DFHTD0342** **applid Transaction tranid associated with the trigger level for Transient Data queue queue has not been scheduled.**

**Explanation:** The trigger level has been reached for the transient data queue queue. The schedule of the associated transaction has failed due to an error in system set up.

**System Action:** Until the error is corrected, each subsequent write to the transient data queue causes another attempt to schedule the transaction, which fails. However, in order to avoid filling the log with messages, this message is only issued the first time the error is detected.

**User Response:** Check the following and amend if necessary:
- The queue must have a transaction associated with it that exists, is defined as local, and is installed. The transaction was local since the Remote attributes were not set in the transaction definition, yet the dynamic parm indicated that it could be remote.
- For DESTFAC (destination facility) of SYSTEM or TERMINAL, the named facility must exist, and any required system links must be installed and in service.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console  
**Modules:** DFHTDB, DFHTDRM  
**XMEOUT Parameters:** applid, tranid, queue

**DFHTD0343** **date time applid Automatic transaction restart for transaction tranid processing TD queue queue-name has failed.**

**Explanation:** A transaction that was attached when a TD trigger level was reached is ending abnormally and automatic transaction restart was requested for this transaction via the user replaceable module DFHREST. A severe error occurred when CICS attempted to restart the transaction.

**System Action:** Message DFHAP0002 is issued with a dump for the severe error that caused the restart to fail. Abnormal termination of the transaction for which restart was requested continues. The transaction is not automatically restarted.
DFHTD0360

The system attempts to reattach the trigger level transaction when the next TD request is received for this TD queue and the trigger level has been reached or exceeded.

**User Response:** Investigate the reason for the earlier severe error. See message DFHAP0002 for further guidance.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Module:** DFHTDXM

**XMEOUT Parameters:** date, time, applid, tranid, queue-name

DFHTD0360 applid Logical I/O error occurred during a GET request to the intrapartition data set (DD name ddname); VSAM return codes are R15=X'retcode', FDBK=X'fdbkcode'.

**Explanation:** An attempt to read a control interval from the intrapartition data set with ddname ddname has failed due to a logical I/O error. retcode is the return code in register 15 and fdbkcode is the value of the feedback field in the request parameter list (RPL).

**System Action:** This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0360 is taken unless you have specifically suppressed dumps in the dump table.

**User Response:** Message DFHME0116 is normally produced containing the symptom string for this problem. For the meaning of the codes in the message, refer to the DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Modules:** DFHTDB, DFHTDRM

**XMEOUT Parameters:** applid, ddname, X'retcode', X'fdbkcode'

DFHTD0362 applid Physical I/O error occurred during a GET request to the intrapartition data set (DD name ddname); VSAM return codes are R15=X'retcode', FDBK=X'fdbkcode'.

**Explanation:** An attempt to read a control interval from the intrapartition data set with ddname ddname has failed due to a physical I/O error. retcode is the return code in register 15 and fdbkcode is the value of the feedback field in the request parameter list (RPL).

**System Action:** A system dump with dumpcode TD0362 is taken unless you have specifically suppressed dumps in the dump table. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

**User Response:** For the meaning of the codes in the message, refer to the DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

A copy of the physical error message produced by VSAM appears in (one of) the transient data VSAM error message area(s) in the system dump.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Modules:** DFHTDB, DFHTDRM

**XMEOUT Parameters:** applid, ddname, X'retcode', X'fdbkcode'

DFHTD0363 applid Logical I/O error occurred during a PUT request to the intrapartition data set (DD name ddname); VSAM return codes are R15=X'retcode', FDBK=X'fdbkcode'.

**Explanation:** An attempt to write or rewrite a control interval to the intrapartition data set with ddname ddname has failed due to a logical I/O error. retcode is the return code in register 15 and fdbkcode is the value of the feedback field in the request parameter list (RPL).

**System Action:** A system dump with dumpcode TD0363 is taken unless you have specifically suppressed dumps in the dump table. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

**User Response:** For the meaning of the codes in the message, refer to the DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

A copy of the physical error message produced by VSAM will appear in (one of) the transient data VSAM error message area(s) in the system dump.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Modules:** DFHTDB, DFHTDRM

**XMEOUT Parameters:** applid, ddname, X'retcode', X'fdbkcode'
DFHTD0380  applid Illegal attempt to read control interval 0 for the intrapartition data set (DD name ddname).

**Explanation:** Control interval 0 in the intrapartition data set is reserved for transient data control information. The remaining control intervals are allocated to hold data for queues as determined by transient data processing on behalf of application program requests.

An invalid attempt has been made to read control interval 0 for the intrapartition data set with ddname ddname.

**System Action:** This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0380 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Each intrapartition DCTE contains pointers which, if the queue is not empty, are relative byte addresses (RBAs) associated with the intrapartition data set with ddname ddname.

Furthermore each allocated control interval, apart from the first, contains one or more user records as well as a queue control record. This latter record, the first in the control interval, contains the forward chain pointer or RBA for the next control interval containing data for the queue.

In each case, transient data assumes that RBAs address record boundaries within the intrapartition data set.

The assumption can be violated in several ways. The type of violation may be determined from:

- A control interval print of the intrapartition data set, or
- Using Access Method Services, or
- Using the system dump.

Violations include:

- **THE WRONG INTRAPARTITION DATA SET WAS USED**
  If the wrong data set has been used, that is, the data set used for this CICS start up was not used for the previous CICS start up, then it is highly probable that most of the RBAs in the DCTEs will not address record boundaries in the intrapartition data set.
  A cold start or an initial start of CICS must be carried out.

- **THE INTRAPARTITION DATA SET WAS ALTERED**
  If the records have been moved, possibly through data set compression, then it is highly probable that control interval 0 will contain more than one record and that most of the RBAs in the DCTEs will not address record boundaries in the intrapartition data set.
  A cold start or an initial start of CICS must be carried out.

- **A DCTE WAS CORRUPTED**
  If a DCTE has been corrupted, it is highly probable that just one or two RBAs will not address record boundaries in the intrapartition data set.
  A specialized trap may be required to identify the offending program.
  CICS may be restarted. An emergency restart for transient data will result in the RBAs being reconstructed from the system log and the intrapartition data set.
  If an activity keypoint was taken between the occurrence of the error and its detection, it may prove necessary for a cold start or an initial start of CICS to be carried out.

- **AN I/O BUFFER WAS CORRUPTED**
  If an I/O buffer has been corrupted, it is highly probable one of the RBAs in the DCTE will not address record boundaries in the I/O buffer.
  A specialized trap may be required to identify the offending program.
  CICS may be restarted. An emergency restart for transient data results in the RBAs being reconstructed from the system log and the intrapartition data set.

**Note:** If the contents of the I/O buffer were written to the intrapartition data set between the occurrence of the error and its detection, it may prove necessary to perform a cold start or an initial start of CICS.

- A CICS LOGIC ERROR OCCURRED You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Modules:** DFHTDB, DFHTDRM

**XMEOUT Parameters:** applid, ddname

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DFHTD0381  applid Invalid attempt to (re)write control interval 0 for the intrapartition data set (DD name ddname).

**Explanation:** Control interval 0 in the intrapartition data set is reserved for transient data control information; the remaining control intervals are allocated to hold data for queues as determined by transient data processing on behalf of application program requests.

An invalid attempt has been made to (re)write control interval 0 for the intrapartition data set with ddname ddname.

**System Action:** This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0381 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Refer to message DFHTD0380.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Modules:** DFHTDB, DFHTDRM

**XMEOUT Parameters:** applid, ddname

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DFHTD0382  applid The output pointer for queue qqqq does not match the contents of the intrapartition data set (DD name ddname).

**Explanation:** The output pointer for queue qqqq does not address a record boundary within the intrapartition data set with ddname ddname.

**System Action:** This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0382 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.
DFHTD0383

User Response: Refer to message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: applid, qqqq, ddname

DFHTD0383 applid The input pointer for queue qqqq does not match the contents of the intrapartition data set (DD name ddname).

Explanation: The input pointer for queue qqqq does not address a record boundary within the intrapartition data set with ddname ddname.

System Action: This is a critical error and CICS is terminated, even if you have suppressed dumps in the dump table.

A system dump with dumpcode TD0383 is taken unless you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: applid, qqqq, ddname

DFHTD0384 applid A forward chain pointer for queue qqqq does not match the contents of the intrapartition data set (DD name ddname).

Explanation: A forward chain pointer for queue qqqq is invalid with respect to the intrapartition data set with ddname ddname.

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0384 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: applid, qqqq, ddname

DFHTD0385 applid Invalid attempt to allocate/deallocate CI 0 for the intrapartition data set (DD name ddname).

Explanation: Control interval (CI) 0 in the intrapartition data set, ddname, is reserved for transient data control information. The remaining control intervals are allocated to hold data for queues as determined by transient data processing on behalf of application program requests.

System Action: System dump TD0385 is taken unless you have specified in the dump table that CICS should not terminate.

This is a critical error. CICS is terminated even if you have specified in the dump table that CICS should not terminate.

User Response: Refer to the User Response of message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: applid, ddname

DFHTD0401 date time applid terminal userid tranid TDQUEUE entry for queue name has been deleted.

Explanation: This is an audit log message indicating that transient data queue entry tdqueue name has been deleted from the DCT using the DISCARD command. Where:

- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSQL

Module: DFHTDTM

XMEOUT Parameters: date, time, applid, terminal, userid, tranid, queue name

DFHTD0402 date time applid terminal userid tranid TDQUEUE entry for tdqueue name has been added.

Explanation: This is an audit log message indicating that transient data queue entry tdqueue name has been added to the DCT using the INSTALL command Where:

- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- userid is the user identifier of the user associated with the transaction issuing the message.
- tranid is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSQL

Module: DFHTDTM

XMEOUT Parameters: date, time, applid, terminal, userid, tranid, tdqueue name

DFHTD0403 date time applid terminal userid tranid TDQUEUE entry for tdqueue name has been replaced.

Explanation: This is an audit log message indicating that transient data queue entry tdqueue name has been replaced in the DCT using the INSTALL command. Where:

- terminal is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
DFHTD1210 applid DCT index in error, xxxx failed

Explanation: While carrying out operation xxxx (INSTALL) CICS found an error in the destination control table (DCT) index. This message is either issued on cold or initial start when transient data is installing entries detailed in the macro load module, or on warm or emergency restarts when transient data is installing entries from the global catalog. The most likely reasons for this error are:

1. Storage violation.
   - An application program has overwritten the index, or
2. CICS logic error
   - The CICS table mapping program, DFHTMP, created the index incorrectly, or
3. Corrupt global catalog entries
   - The global catalog has been corrupted.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

The CICS Data Areas gives the format of the DCT index entries, under TMDEL and TMSKT. Find these entries in the dump and find the invalid data, which may help you to decide if the problem is caused by a storage violation or a CICS error.

Look at the contents of the global catalog, to determine if the catalog entry has been corrupted for the DCTE that is failing to install.

Assuming that the error is a storage violation, and that you have activated the trace facility, find in the trace the unsuccessful attempt to access the DCT by DFHTDP. Then find the last preceding successful access. You have now narrowed the search to programs that were running between these two accesses. Examine these programs for an error that could cause a storage violation.

If you have not activated trace, but you can recreate the error, activate trace, recreate the error, and proceed as in the previous paragraph.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console
Module: DFHTDRP
XMEOUT Parameters: applid, xxxx

DFHTD1212 applid Unrecognizable entry found in the DCT

Explanation: During initialization, CICS found an unrecognizable entry in the destination control table (DCT). This means that the loaded DCT is in error – either a DFHDCT macro was coded incorrectly, or the output of the macro assembly was corrupted.

System Action: CICS ignores the unrecognizable DCT entry and all subsequent DCT entries, and continues initialization.

User Response: Depending on how many DCT entries CICS has ignored, you may have almost all or very few transient data destinations available in the initialized run. You must decide whether or not to terminate CICS. To solve the problem permanently, remove or replace the invalid DCT entry.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console
Module: DFHTDRP
XMEOUT Parameter: applid

DFHTD1217 applid Unable to install entry xxxx into the DCT.

Explanation: During a cold or initial start, CICS was unable to add a particular entry to the destination control table (DCT) for destination xxxx. The definition was provided in a DCT load module which was produced using the DFHDCT assembler macro.

System Action: CICS ignores the definition and continues initialization.

User Response: The cause of this install failure may be indicated in earlier messages issued from the transient data (TD) component. It may be the result of a failure to open the DFHINTRA data set, or a security error associated with any userid included in the definition. In the latter case, it is possible to create an RDO definition for the entry, with the correct userid, once CICS has initialized, and then to install it using the CEDA transaction.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console
Module: DFHTDRP
XMEOUT Parameters: applid, xxxx

DFHTD1221 applid DCT not restored, xxxx failed

Explanation: During a warm start, while carrying out operation xxxx (STARTBROWSE, GETNEXT or ENDBROWSE), the transient data recovery program (DFHTDRP) found an error in the destination control table (DCT) catalog.

The most likely reasons for this error are I/O errors in the catalog data set, or a logic error in the CICS module, DFHCCCC.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Determine and correct the I/O errors on the catalog data set. If you cannot restore the catalog data set, or suspect that there might be a CICS logic error in DFHCCCC, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
DFHTD1260

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: applid, xxx

DFHTD1260 applid No DD statement for intrapartition data set ddname

Explanation: CICS is unable to open the intrapartition data set ddname because no DD statement has been provided.

System Action: During a cold or initial start, TD initialization continues until any DCT macro entries have been processed. Any intrapartition entries found are not installed and message DFHTD1217 is issued for each install failure encountered. At the end of TD initialization, message DFHTD0102 is issued. If no other initialization errors occur, message DFHSI1522 is issued.

For all other starts, TD checks the catalog to see if DFHINTRA had opened successfully on the previous CICS run. If it did, initialization is terminated. If it did not, TD initialization continues normally.

User Response: During a cold or initial start, respond GO or CANCEL to message DFHSI1522.

Modify the CICS JCL to add a DD statement defining the intrapartition data set (DFHINTRA).

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: applid, ddname

DFHTD1261 applid Intrapartition data set ddname not defined as VSAM ESDS

Explanation: CICS is unable to open the intrapartition data set ddname because it is not defined as VSAM ESDS.

System Action: During a cold or initial start, TD initialization continues until any DCT macro entries have been processed. Any intrapartition entries found are not installed and message DFHTD1217 is issued for each install failure encountered. At the end of TD initialization, message DFHTD0102 is issued. If no other initialization errors occur, message DFHSI1522 is issued.

For all other starts, TD checks the catalog to see if DFHINTRA had opened successfully on the previous CICS run. If it did, initialization is terminated. If it did not, TD initialization continues normally.

User Response: On a cold or initial start, respond GO or CANCEL to message DFHSI1522.

Recreate the intrapartition data set as a VSAM ESDS and restart CICS.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: applid, ddname

DFHTD1262 applid Intrapartition data set ddname not formatted

Explanation: The intrapartition data set ddname is not formatted (it is empty). Initial formatting is done (if necessary) when CICS is cold or initial started.

System Action: CICS continue to initialize until the destination control table has been completed. Any intrapartition definitions being read from the global catalogue will fail to install because of the original failure. When DFHTDRP completes its processing, CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

User Response: Respond GO or CANCEL to message DFHSI1522.

Perform a cold or initial start when CICS is next brought up.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: applid, ddname

DFHTD1263 applid Invalid control record for Intrapartition data set ddname

Explanation: The intrapartition data set ddname was not initialized for intrapartition transient data. The most likely reason for this is data corruption by:

- VSAM export and import
- DFSM$ migration and recall.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

User Response: Respond GO or CANCEL to message DFHSI1522.

Reinitialize the intrapartition data set.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: applid, ddname

DFHTD1271 applid VSAM error processing SHOWCB for intrapartition data set ddname, R15=retcode

Explanation: VSAM has detected an error during SHOWCB processing for the intrapartition data set ddname with VSAM return code retcode.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Check the return code in the DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP
DFHTD1272 aplid VSAM error processing OPEN for
intrapartition data set ddname, R15=retcode, RC=errorcode

Explanation: VSAM has detected an error during OPEN
processing for the intrapartition data set ddname. retcode is the
VSAM return code and errorcode is the VSAM error code.

System Action: CICS writes a dump, then attempts to continue
with initialization. If a cold or initial start is taking place, any entries
found in a DCT load module are installed, except for any
intrapartition entries. If any of these are found, message
DFHTD1217 is issued for each install failure. When TDRP
completes its processing message DFHTD0102 is issued followed
by message DFHSI1522.

For all other types of start, if DFHINTRA had failed during the
previous run of CICS, processing continues as normal. If
DFHINTRA was open on the previous run, CICS terminates.
Message DFHME0116 is normally produced containing the
symptom string for this problem.

User Response: On a cold or initial start, respond GO or
CANCEL to message DFHSI1522.

Check the return code and error code in the DFSMS/MVS Version
1 Release 5 Macro Instructions for Data Sets.

Note: Do not attempt to reroute this message to a transient data
queue.

Destination: Console
Module: DFHTDRP
XMEOUT Parameters: aplid, ddname, retcode, errorcode

DFHTD1273 aplid VSAM error processing CLOSE for
intrapartition data set ddname, R15=retcode

Explanation: VSAM has detected an error during CLOSE
processing for the intrapartition data set ddname. retcode is the
VSAM return code.

System Action: CICS writes a dump, then attempts to continue
with initialization. If a cold or initial start is taking place, any entries
found in a DCT load module are installed, except for any
intrapartition entries. If any of these are found, message
DFHTD1217 is issued for each install failure. When TDRP
completes its processing message DFHTD0102 is issued followed
by message DFHSI1522.

For all other types of start, if DFHINTRA had failed during the
previous run of CICS, processing continues as normal. If
DFHINTRA was open on the previous run, CICS terminates.
Message DFHME0116 is normally produced containing the
symptom string for this problem.

User Response: For a cold or initial start, respond GO or
CANCEL to message DFHSI1522.

Check the return code in the DFSMS/MVS Version 1 Release 5
Macro Instructions for Data Sets.

Note: Do not attempt to reroute this message to a transient data
queue.

Destination: Console
Module: DFHTDRP
XMEOUT Parameters: aplid, ddname, retcode

DFHTD1274 aplid VSAM error processing PUT for intrapartition
data set ddname, R15=retcode, RC=errorcode

Explanation: VSAM has detected an error during PUT processing
for the intrapartition data set ddname. retcode is the VSAM return
code and errorcode is the VSAM error code.

System Action: CICS writes a dump. The transaction abnormally
terminates with abend code ATDY and message DFHSI1522 is
issued.

Message DFHME0116 is normally produced containing the
symptom string for this problem.

User Response: Respond GO or CANCEL to message
DFHSI1522.

Check the return code and error code in the DFSMS/MVS Version
1 Release 5 Macro Instructions for Data Sets.

Note: Do not attempt to reroute this message to a transient data
queue.

Destination: Console
Module: DFHTDRP
XMEOUT Parameters: aplid, ddname, retcode, errorcode

DFHTD1275 aplid VSAM error processing GET for intrapartition
data set ddname, R15=retcode, RC=errorcode

Explanation: VSAM has detected an error during GET processing
for the intrapartition data set ddname. retcode is the VSAM return
code and errorcode is the VSAM error code.

System Action: CICS writes a dump. The transaction abnormally
terminates with abend code ATDY and message DFHSI1522 is
issued.

Message DFHME0116 is normally produced containing the
symptom string for this problem.

User Response: Respond GO or CANCEL to message
DFHSI1522.

Check the return code and error code in the DFSMS/MVS Version
1 Release 5 Macro Instructions for Data Sets.

Note: Do not attempt to reroute this message to a transient data
queue.

Destination: Console
Module: DFHTDRP
XMEOUT Parameters: aplid, ddname, retcode, errorcode

DFHTD1276 applid An error occurred during initialization of
intrapartition queue queuename for userid userid.
The queue has not been added to the Destination
Control Table.

Explanation: Transient data initialization detected an error with
userid userid during installation of the intrapartition queue for
automatic transaction initiation.

The specified userid is not valid for use by this CICS job for
tenominal transactions initiated by the transient data trigger.

There may be a previous message which gives the cause of this
error.

System Action: Transient data initialization continues.

The intrapartition queue definition is not added to the destination
control table.

User Response: Notify the system programmer.
DFHTD1279

If the userid is invalid, correct the userid specified in the resource definition for the intrapartition queue.

If the userid is valid, ensure that it can be used by non-terminal transactions that are initiated by trigger for the intrapartition queue. See the CICS RACF Security Guide for guidance.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console
Module: DFHTDTM
XMEOUT Parameters: applid, queuename, userid

DFHTD1279 applid Unexpected response (code X'response') and reason (code X'reason') from a dfhxxym call.

Explanation: Module DFHTDTM detected the failure of a dfhxxym call to domain xx while attempting to install an intrapartition entry containing a USERID.

The response (code X'response') and reason (code X'reason') are those returned from the domain call (that is, xxyy_response and xxyy_reason).

This can be due to a CICS logic error.

System Action: If the error occurred during transient data initialization, this process will continue if possible. If processing cannot continue then a dump will be taken and an abend ATDY is issued.

User Response: Refer to earlier messages and the dump produced by domain xx.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console
Module: DFHTDTM
XMEOUT Parameters: applid, X'response', X'reason', dfhxxym

DFHTD1280 applid An attempt to establish security has failed for userid userid. SAF codes are X'safresp', X'safreas'. ESM codes are X'esmresp', X'esmreas'.

Explanation: An attempt was made to establish security for userid userid. The attempt was rejected by the external security manager (ESM).

System Action: Security has not been established for the userid.

User Response: The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDTM
XMEOUT Parameters: applid, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'

DFHTFxxyy messages

DFHTF0001 applid An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error occurred in a crucial XM domain module.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
| Modules: DFHTFIOQ, DFHZSUP, DFHTFRF, DFHTFAL, DFHTFXM |
| XMEOUT Parameters: applid, aaaa/bbbb, X'offset', modname |

DFHTF0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error is critical.
Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHTIQ, DFHZSUP, DFHTFRF, DFHTFAL

**XMEOUT Parameters:** applid, 'X'code', modname

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**DFHTF0100**

**Date/Time applid nnnn AIDs canceled for terminal termid. nnnn AIDs remain.**

**Explanation:** AIDs queuing for terminal termid have been canceled. This could be due to the terminal being deleted, or as a result of an SPI or CEMT SET TERMINAL(termid) CANCEL command. Any AIDs remaining after this operation are also enumerated in this message. For programming information about CICS SET TERMINAL, see the CICS System Programming Reference. For information about the equivalent CEMT command, see the CICS Supplied Transactions.

**System Action:** Requests represented as AIDs queuing for the terminal have been purged from the system.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHALP

**XMEOUT Parameters:** date, time, applid, nnnn, termid, nnnn

---

**DFHTF0101**

**Date/Time applid nnnn AIDs [canceled / force-canceled] for connection conname. nnnn AIDs remain.**

**Explanation:** AIDs queuing for connection conname have been canceled or force-canceled. This could be due to connection reinstall, or as a result of a SPI or CEMT SET CONNECTION(conname) CANCEL or FORCECANCEL command. Any AIDs remaining after this operation are also enumerated in this message. See the CICS System Programming Reference for more information.

**System Action:** Requests represented as AIDs queuing for the connection will have been purged from the system.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHALP

**XMEOUT Parameters:** date, time, applid, nnnn, {1=canceled, 2=force-canceled}, conname, nnnn

---

**DFHTxxxx messages**

**DFHTI0001**

**applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.**

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

Message DFHME0116 is normally produced containing the symptom string for this problem.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example the domain manager, DFHDMDM). A message is issued to this effect.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHTISR, DFHTIDM

**XMEOUT Parameters:** applid, aaa/bbbb, X'offset', modname

---

**DFHTI0004**

**applid A possible loop has been detected at offset X'offset' in module modname.**

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time when the error was detected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent...
to the caller of this domain. In this case, CICS could be terminated by the caller (for example the domain manager, DFHDMDM). A message is issued to this effect.

**User Response:** If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module `modname` is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module `modname` has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module `modname` and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHTISR, DFHTIDM

**XMEOUT Parameters:** `applid, product, userid, tranid, {1= at netname | 2= at terminal }, terminal`

---

**DFHTMxxxx messages**

**DFHTM1703 applid product is being terminated by userid userid in transaction tranid[at netname | at terminal ]terminal.**

**Explanation:** This message is issued after a PERFORM SHUT IMMEDIATE request.

**System Action:** The termination process continues.

**User Response:** None.

**Destination:** Console and Terminal End User

**Module:** DFHTSP

**XMEOUT Parameters:** `applid, product, userid, tranid, {1= at netname | 2= at terminal }, terminal`

---

**DFHTM1707I applid Program DFHWKP cannot be found. No warm keypoint taken.**

**Explanation:** CICS cannot take a warm keypoint because the CICS module, DFHWKP, cannot be found in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

**System Action:** CICS passes control to the user phase 1 PLT program.

**User Response:** None.

**Destination:** Console

**Module:** DFHTSP

**XMEOUT Parameter:** `applid`

---

**DFHTM1709I applid About to link to PLT programs.**

**Explanation:** DFHSTP is about to link to the user PLT program PLTSD parameter in the system initialization table.

**System Action:** Control is passed to the user PLT programs.

**User Response:** None.

**Destination:** Console

**Module:** DFHSTP

**XMEOUT Parameter:** `applid`

---

**DFHTM1710I applid Control returned from PLT programs.**

**Explanation:** Control is returned to DFHSTP to continue system termination.

**System Action:** Control is returned to DFHSTP.

**User Response:** None.

**Destination:** Console

**Module:** DFHSTP

**XMEOUT Parameter:** `applid`

---

**DFHTM1711I applid About to link to phase 2 PLT programs.**

**Explanation:** DFHSTP is about to link to the phase 2 PLT programs as defined by the PLTSD parameter in the system initialization table.

**System Action:** CICS passes control to the phase 2 user PLT programs.

**User Response:** None.

**Destination:** Console
Chapter 1. DFH messages

DFHTM1712I applid Control returned from phase 2 PLT programs.

Explanation: CICS returns control to DFHSTP so that system shutdown may continue.

System Action: CICS returns control to DFHSTP.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameters: applid

DFHTM1715 applid product is being quiesced by userid userid in transaction tranid [netname | at terminal] terminal.

Explanation: This message is issued after a PERFORM SHUT request.

System Action: Quiesce of CICS continues.

User Response: None.

Destination: Console and Terminal End User

Module: DFHSTP

XMEOUT Parameters: applid, product, userid, tranid, [1= netname, 2= at terminal], terminal

DFHTM1752 applid PLT - program progname not available.

Explanation: The program list table (PLT) specified for shutdown contains program progname, but CICS is unable to link to the program because one of the following has occurred:

- An executable copy of the program could not be brought into storage.
- The installed definition for the program is disabled.
- There is no installed definition for the program.

System Action: CICS termination continues without executing program progname.

User Response: In the next execution, check that each program specified in the PLT is contained as a data set concatenated to the DFHRPL DD statement in the startup job stream, and ensure that the program is defined and enabled.

Destination: Console

Module: DFHSTP

XMEOUT Parameters: applid, progname

DFHTM1781 applid CICS shutdown cannot complete because some non-system user tasks have not terminated.

Explanation: This message is issued during shutdown of the CICS session and indicates that one or more CICS tasks are still active, thereby delaying the successful termination of CICS.

System Action: CICS shutdown waits until the active task or tasks are successfully terminated.

User Response: If the default shutdown transaction (CESD) is active, it attempts, after a delay, to purge and backout all active tasks. This usually leads to a successful termination of CICS within a few minutes without operator intervention.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: applid

DFHTM1782I applid All non-system tasks have been successfully terminated.

Explanation: This message is issued during shutdown of the CICS session after successful termination by the user of any active tasks which had previously prevented termination.

System Action: CICS shutdown continues normally.

User Response: None

Destination: Console

Module: DFHSTP

XMEOUT Parameter: applid

DFHTM1783 applid CICS shutdown cannot complete because a system task which prevents normal shutdown has not terminated.

Explanation: This message is issued during shutdown of the CICS session and indicates that CICS system transaction CLS1 is still active, thereby preventing the successful termination of CICS.

System Action: CICS shutdown continues normally.

User Response: Determine, what is delaying the CLS1 transaction (for example the other CICS job or system being hung), and take whatever steps are necessary to resolve the situation.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: applid

DFHTM1784 applid The user shutdown assist transaction tranid cannot be started.

Explanation: This message is issued during CICS shutdown and indicates that the user shutdown assist transaction specified on the system initialization table (SIT), or on the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option could not be started.

System Action: CICS shutdown continues without starting a shutdown assist transaction.

User Response: Do one of the following:

- Determine why the shutdown transaction could not start.
**DFHTM1785**

- Change or remove the SIT SDTRAN option.
- Change or remove the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option.

**Destination:** Console and Terminal End User  
**Module:** DFHSTP  
**XMEOUT Parameters:** applid, tranid

**DFHTM1785** date time applid The user shutdown assist transaction tranid cannot be started.  
**Explanation:** This message is issued during CICS shutdown and indicates that the user shutdown assist transaction specified on the system initialization table (SIT), or on the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option could not be started.  
**System Action:** A TRANIDERR is returned and CICS shutdown is not performed.  
**User Response:**  
- Correct the shutdown transaction definition.  
- Change or remove the SIT SDTRAN option.  
- Change or remove the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option.

**Destination:** CSMT  
**Module:** DFHEIPSH  
**XMEOUT Parameters:** date, time, applid, tranid

**DFHTM1797** applid System termination program has abended.  
**Explanation:** While terminating CICS, the CICS system termination program DFHSTP has abnormally terminated.  
**System Action:** CICS terminates abnormally with a system dump.  
**User Response:** Try to find out why DFHSTP terminated. If you cannot resolve the problem, keep the dump and contact your IBM Support Center.  
**Destination:** Console  
**Module:** DFHSTP  
**XMEOUT Parameter:** applid

**DFHTM1798** applid Requested dump in progress.  
**Explanation:** This message is issued when CICS is terminated before the requested dump has started.  
**System Action:** CICS produces a system dump and shutdown continues.  
**User Response:** None.  
**Destination:** Console  
**Module:** DFHSTP  
**XMEOUT Parameter:** applid

**DFHTOxxxx messages**

**DFHTO6000** E date time applid The definition for TERMINAL termdef refers to an undefined TYPETERM termtype.  
**Explanation:** While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (termdef) that referenced a nonexistent TYPETERM definition (termtype).  
**System Action:** The TERMINAL is not installed.  
**User Response:** Correct the TERMINAL definition or define the named TYPETERM.  
**Destination:** CSMT  
**Module:** DFHTOR  
**XMEOUT Parameters:** date, time, applid, termdef, termtype

**DFHTO6001** E date time applid The definition for pooled TERMINAL termdef refers to an undefined TYPETERM termtype.  
**Explanation:** While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (termdef) that referenced a nonexistent TYPETERM definition (termtype).  
**System Action:** The TERMINAL is not installed.  
**User Response:** Correct the TERMINAL definition or define the named TYPETERM.  
**Destination:** CSMT  
**Module:** DFHTOR  
**XMEOUT Parameters:** date, time, applid, termdef, termtype

**DFHTO6002** E date time applid The definition for SESSIONs sesdef refers to an undefined CONNECTION condef.  
**Explanation:** While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (sesdef) that referenced a nonexistent CONNECTION definition (condef).  
**System Action:** The SESSIONS definition is not installed.  
**User Response:** Correct the SESSIONS definition or define the named CONNECTION.  
**Destination:** CSMT  
**Module:** DFHTOR  
**XMEOUT Parameters:** date, time, applid, sesdef, condef

**DFHTO6003** E date time applid TERMINAL termdef specifies CONSOLE or CONSNAME but refers to TYPETERM termtype which does not specify DEVICE=CONSOLE.  
**Explanation:** While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (termdef), specified with CONSOLE=nn or CONSNAME=name, which referred to a TYPETERM definition (termtype) specified without DEVICE=CONSOLE.
**Chapter 1. DFH messages**

**System Action:** The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referred to by other compatible TERMINAL definitions).

**User Response:** Correct the TERMINAL or TYPETERM definition.

**Destination:** CSMT

**Module:** DFHTOR

**XMEOUT Parameters:** date, time, applid, termdef, termtype

**Explanation:** While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (termdef), specified with CONSOLE=NO, which referred to a TYPETERM definition (termtype) that did not specify one of these devices: 3270, 3275, 3270P, LUTYPE2, or LUTYPE3.

**System Action:** The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referenced by other compatible TERMINAL definitions).

**User Response:** Correct the TERMINAL or TYPETERM definition.

**Destination:** CSMT

**Module:** DFHTOR

**XMEOUT Parameters:** date, time, applid, termdef, termtype

**Explanation:** While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (termdef) specified with PRINTER or ALTPRINTER or both, which referred to a CONNECTION definition (condef) that did not specify a different PROTOCOL.

**System Action:** The SESSIONS definition is not installed.

**User Response:** Correct the SESSIONS or CONNECTION definition.

**Destination:** CSMT

**Module:** DFHTOR

**XMEOUT Parameters:** date, time, applid, sesdef, condef

**Explanation:** While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (sesdef) that referred to a CONNECTION definition (condef) that specified an MRO CONNECTION condef.

**System Action:** The SESSIONS definition is not installed.

**User Response:** Correct the SESSIONS or CONNECTION definition.

**Destination:** CSMT

**Module:** DFHTOR

**XMEOUT Parameters:** date, time, applid, sesdef, condef

**Explanation:** While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (termdef) specified PRINTERCOPY or ALTPRINTCOPY or both, but referred to a TYPETERM definition termtype which specified an LUTYPE2 or LUTYPE3 device.
DFHTO6011 E date time applid SESSIONs sesdef must specify both SENDCOUNT and RECEIVECOUNT as it refers to an MRO CONNECTION condef.

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (sesdef), specified with either SENDCOUNT=0 or RECEIVECOUNT=0, which referred to a CONNECTION definition (condef) that specified ACCESSMETHOD=(IRC|XM) (MRO).

System Action: The SESSIONS definition is not installed.

User Response: Correct the SESSIONS or CONNECTION definition.

Destination: CSMT
Module: DFHTOR
XMEOUT Parameters: date, time, applid, sesdef, condef

DFHTO6012 date time applid The catalog dataset is not available. RDO function is restricted.

Explanation: During initialization for a cold or initial start, CICS could not find the global catalog data set.

System Action: CICS continues, but with the following restrictions to RDO function:

- A TYPETERM definition must be in the same group as the TERMINAL definitions that refer to it.
- AUTOINSTALL is not available, because the MODEL definitions cannot be stored.

User Response: If you wish to avoid the above restrictions to RDO function in future CICS runs, create a global catalog data set and make it available to CICS in the DFHGCD DD statement of the CICS startup job stream.

Destination: CSMT
Module: DFHTORP
XMEOUT Parameters: date, time, applid

DFHTO6013 E date time applid No SESSIONs definition refers to CONNECTION condef.

Explanation: During installation of a GRPLIST at initialization time, during CEDA INSTALL of a GROUP, a CHECK, or an EXEC CICS CREATE command, a CONNECTION definition was detected that had no valid SESSIONS definitions. This is valid only for INDIRECT or REMOTE connections.

System Action: The CONNECTION is not installed.

If the reason for the failure is one or more invalid SESSIONS definitions, CICS issues another message which identifies the incorrect definition(s). If the reason was a missing SESSIONS definition, this is the only message.

User Response: Correct the CONNECTION definition, create a SESSIONS definition, or correct existing SESSIONS definition(s), as appropriate.

Destination: CSMT
Module: DFHTORP
XMEOUT Parameters: date, time, applid, condef

DFHTO6014 E date time applid POOL is required for TERMINAL termdef as it refers to TYPETERM typedef which specifies SESSIONTYPE=PIPELINE.

Explanation: An attempt has been made to install a terminal whose TYPETERM specified SESSIONTYPE=PIPELINE, but whose terminal definition did not specify POOL.

System Action: CICS initialization continues, but TERMINAL termdef is not installed.

User Response: Correct the TERMINAL definition, or the TYPETERM definition.

Destination: CSMT
Module: DFHTOR
XMEOUT Parameters: date, time, applid, termdef, typedef

DFHTO6015 E date time applid TRANSACTION for TERMINAL termdef is invalid for the DEVICE specified in TYPETERM typedef.

Explanation: An attempt has been made to install a terminal whose TYPETERM specified SESSIONTYPE=PIPELINE, but whose terminal definition did not specify POOL.

System Action: The TERMINAL definition is not installed.

User Response: Correct the TERMINAL definition, or the TYPETERM definition.

Destination: CSMT
Module: DFHTOR
XMEOUT Parameters: date, time, applid, termdef, typedef

DFHTO6016 E date time applid The MRO CONNECTION condef is referenced by more than one SESSIONS definition, including sesdef.

Explanation: When installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a CONNECTION definition condef that specified ACCESSMETHOD=(IRC|XM), which implies that it is an MRO connection. This CONNECTION was then referenced by more than one SESSIONS definition, one of which was sesdef. An MRO connection must only have one SESSIONS definition referencing it. Other SESSIONS definition names that reference this CONNECTION are listed in further occurrences of this message.

System Action: The CONNECTION definition is not installed.

User Response: Correct the CONNECTION definition or the SESSIONS definitions.

Destination: CSMT
Module: DFHTORP
XMEOUT Parameters: date, time, applid, condef, sesdef

DFHTO6017 E date time applid REMOTESYSTEM for TERMINAL ‘termid’ is invalid for the DEVICE specified in TYPETERM ‘typedef’.

Explanation: When installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a CONSOLE that was defined as remote. This is an invalid option.

System Action: The CONSOLE is not installed.
When a SESSION definition refers to a single-session CONNECTION definition, the value of the MAXIMUM option should be (1,0).

**System Action:** The SESSIONS definition is not installed.

**User Response:** There are two ways to solve this problem:

- Correct the SESSIONS definition by specifying MAXIMUM(1,0) using either CEDA or the CSD batch update utility DFHCSDUP.
- Redefine the CONNECTION definition so that it is no longer single-session by specifying SINGLESESS=NO.

**Destination:** CSMT

**Module:** DFHTOR

**XMEOUT Parameters:** date, time, applid, sesdef, condef

---

**DFHTO6020 E** date time applid SESSIONS 'sesdef' refers to single-session CONNECTION 'condef' but has an invalid MAXIMUM option specified.

**Explanation:** The value specified for the MAXIMUM option in the SESSIONS definition 'sesdef' is incompatible with the CONNECTION definition 'condef' because 'condef' is defined as single-session. This was detected when 'sesdef' referred to 'condef' during installation of a GRPLIST at initialization, during CEDA INSTALL of a GROUP, or following a CHECK command, or during an EXEC CICS CREATE.

**User Response:** Correct the SESSIONS and CONNECTION definitions for batch shared database.

**Destination:** CSMT

**Module:** DFHTOR

**XMEOUT Parameters:** date, time, applid
The definition for LU6.1 SESSIONs sesdef specifies a send or receive count with no prefix.

**Explanation:** While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected an LU6.1 SESSIONs definition (sesdef) that specified a send count with no send prefix or a receive count with no receive prefix. Prefixes must be specified for LU6.1.

**System Action:** The SESSIONs definition is not installed.

**User Response:** Correct the definition referred to in the message.

**Destination:** CSMT

**Module:** DFHTOR

**XMEOUT Parameters:** date, time, applid, sesdef

---

**DFHTPxxxx messages**

**DFHTP4101 Cannot reset from temporary paging to autopaging.**

**Explanation:** A terminal requested that it be reset from temporary paging status to autopaging status. However, the terminal is defined as a paging terminal, or the message is marked to state that the operator must purge it.

**System Action:** Other processing continues.

**User Response:** If the terminal is defined as a purging terminal, use the master terminal program to change the status of the terminal.

If the message is so marked, the operator must purge the message. The system then automatically resets the status to autopaging.

**Destination:** Terminal End User

**Module:** DFHTPR

**DFHTP4102 nnnn messages are queued for immediate delivery.**

**Explanation:** The operator requested the nnnn messages to be delivered via the page retrieve command queue.

**System Action:** The count of messages queued for this operator or terminal is displayed.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHTPR

**DFHTP4103 Attempting to PURGE, COPY or CHAIN, but no pages are currently connected to this terminal.**

**Explanation:** There are currently no tasks attached to this terminal.

**System Action:** Other processing continues.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHTPR

**DFHTP4104 A paging request was received but there are no pages for display.**

**Explanation:** The CICS paging command (CSPG) or a request for paging was entered from a terminal in transaction status, but there are no pages to be displayed at the terminal.

**System Action:** Other processing continues.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHTPR

**DFHTP4105 The specified message is not recognized.**

**Explanation:** The terminal operator tried to retrieve or purge a specific message using a message identifier (rather than the current or next available message). However, the specified message does not exist, or is not destined for this terminal.

**System Action:** Other processing continues.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHTPR

**DFHTP4106 You are not allowed to RETRIEVE or PURGE this message.**

**Explanation:** The terminal operator tried to retrieve or purge a specific message using a message identifier (rather than the current or next available message). However, the specified message is not destined for this operator identifier.

**System Action:** Other processing continues.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHTPR

**DFHTP4107 Chain value chain is less than 1 or greater than the level of chaining allowed.**

**Explanation:** The chain value, chain, as indicated by the page retrieval command, is either less than one or is greater than the level of chaining at that terminal.

**System Action:** Other processing continues.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHTPR

**DFHTP4108 Requested page pageno does not exist (it is less than 1 or more than the number of pages in the message).**

**Explanation:** The page pageno, as indicated by the page retrieval command, is either less than one or is greater than the number of pages in the message. This can be caused, for example, by requesting the previous page after the first page, or the next page after the last page.

**System Action:** Other processing continues.

**User Response:** The paging session can be continued with a valid page value. The last valid page displayed is still the current page. For example, to recall the last valid page displayed, execute the page retrieval command used to get a current page.

**Destination:** Terminal End User

**Module:** DFHTPR
DFHTP4109 The requested command command was not recognized. Check that you have the correct value.

Explanation: Transaction CSPG was entered at the terminal, but what follows cannot be identified as a paging command. command represents the first four nonblank characters after CSPG.

System Action: Other processing continues.
User Response: None.
Destination: Terminal End User
Module: DFHTPR

DFHTP4110 function is not valid. Page RETRIEVE function must be A, C, L, N, P, Q, or a number.

Explanation: The page retrieve function represented by function is not one of the following: A, C, L, N, P, Q, or a number that may be preceded by a + (plus) or a − (minus) sign, where:

<table>
<thead>
<tr>
<th>Function</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>All logical messages destined for and being displayed on that terminal.</td>
</tr>
<tr>
<td>C</td>
<td>The current (level) logical message.</td>
</tr>
<tr>
<td>L</td>
<td>The last page.</td>
</tr>
<tr>
<td>N</td>
<td>The next page.</td>
</tr>
<tr>
<td>P</td>
<td>The previous page.</td>
</tr>
<tr>
<td>Q</td>
<td>(Query) display the identifier of all logical messages destined for this terminal. If the message is security protected, its identifier is displayed only if the operator identifier and class for the signed-on operator match those in the message. The identifier consists of 1-to-6-digit hexadecimal number, and optionally, a message title.</td>
</tr>
</tbody>
</table>

System Action: Other processing continues.
User Response: Use a valid page retrieve function.
Destination: Terminal End User
Module: DFHTPR

DFHTP4111 date time applid msgno termtype pageno I/O error on MCR or Page (MODULE NAME: modname).

Explanation: While attempting to retrieve a message control record (MCR) or page of a message, a temporary storage I/O error occurred. msgno represents the message number in hexadecimal; termtype is the terminal type; pageno is zero if the error occurred for the MCR, or is the page number. The message or page noted may be lost for this and/or other terminals.

System Action: If pages are being displayed at an autopaging terminal, the next page if any is displayed. Otherwise no action takes place.
User Response: None.
Destination: CSMT
Module: DFHTPQ
XMEOUT Parameters: date, time, applid, msgno, termtype, pageno, modname

DFHTP4112 The terminal identifier termid is unknown or is not supported.

Explanation: The terminal identifier represented by termid does not exist or is not supported under basic mapping support (BMS).

System Action: Other processing continues.
User Response: Use a valid terminal identifier.
Destination: Terminal End User
Module: DFHTPR

DFHTP4113 You must purge messages from the terminal before issuing a new transaction.

Explanation: While messages were being displayed at the terminal, the operator entered data that was not a paging command, either in error or to initiate a new transaction. However, at least one of the messages on the terminal is marked that the operator must specifically purge it before initiating a new transaction.

System Action: Other processing continues.
User Response: Purge all messages being displayed at this terminal (T/A), or chain the desired transaction using the chaining command.
Destination: Terminal End User
Module: DFHTPR

DFHTP4114 You must purge the message from your terminal to continue.

Explanation: A transaction is displaying pages at the terminal. Before the operator can continue with the transaction, the message must be purged.

System Action: Other processing continues.
User Response: Purge the current message (T/C).
Destination: Terminal End User
Module: DFHTPR
DFHTP4116 Your message request cannot be done while another message is being displayed.

Explanation: While viewing a message, the operator entered a request for a specific message (for example, P/1.xxx) or requested the message identifiers of messages waiting to be displayed (P/Q). CICS cannot service this request while another message is being displayed. xxx is the message identifier of one of the messages waiting to be displayed.

System Action: Other processing continues.

User Response: If desired, reenter the request when there are no messages being displayed at the terminal.

Destination: Terminal End User

Module: DFHTPR

DFHTP4117 Purge display % after viewing.

Explanation: The operator at a 3270 has requested a display of message identifiers waiting to be displayed. The reply is constructed as one or more pages stored in temporary storage and can be viewed like any page message. % is the page number indicator.

System Action: Other processing continues.

User Response: Purge the message when viewing is complete.

Destination: Terminal End User

Module: DFHTPR

DFHTP4118 An ID error occurred while retrieving a Message Control Record (MCR) or Message Page. Message bmsid, terminal type termtype, page pageno.

Explanation: CICS was trying to retrieve page pageno of a message from temporary storage when an identifier error was received.

Alternatively, if page pageno is equal to zero, CICS could have been trying to retrieve a message control record (MCR) when the identifier error was received. The probable cause of the error is that temporary storage was cold started after the message was scheduled or after the message was saved. Otherwise the message had already been purged.

The insert bmsid is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page or message. The insert termtype identifies the terminal type.

System Action: The message or page may be lost. Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4119 An invalid request on Message Control Record (MCR) or Page Retrieval has occurred. Message bmsid, terminal type termtype, page pageno.

Explanation: CICS was trying to store or retrieve page pageno of a message when a temporary storage invalid request occurred. Alternatively, CICS could have been trying to store or retrieve a message control record (MCR) if the page pageno equaled zero when the temporary storage invalid error was received.

The message or page may be lost. The probable cause is that temporary storage was not loaded. bmsid is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page or message. termtype is the terminal type.

System Action: Other processing continues.

User Response: Ensure that the temporary storage program is loaded.

Destination: Terminal End User

Module: DFHTPR

DFHTP4120 Unable to interpret input. Please try again.

Explanation: The operator entered data that could not be interpreted.

System Action: Input is discarded.

User Response: Verify that input is valid under existing conditions.

Destination: Terminal End User

Module: DFHTPR

DFHTP4121 An I/O error occurred while retrieving a message control record or message page. Message bmsid, terminal type termtype, page pageno.

Explanation: CICS was trying to retrieve page pageno of a message when a temporary storage I/O error occurred. Alternatively, CICS could have been trying to store or retrieve a message control record (MCR) if the page pageno equaled zero when the temporary storage I/O error occurred.

The message or page may be lost. bmsid is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page or message. termtype is the terminal type.

System Action: If pages are being displayed at an autopaging terminal, the next page, if any, is displayed. Otherwise no action takes place.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4122 Requested purge completed successfully.

Explanation: CICS has completed a page purge function requested from the terminal.

System Action: Processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4123 Terminal is now Autopaging.

Explanation: The terminal operator has requested that CICS reset a terminal that is temporarily in paging status, to autopaging status.

System Action: The rest of the pages in the message are displayed. If there are none left and the message can be purged automatically, it is purged.

User Response: None.

Destination: Terminal End User

Module: DFHTPR
DFHTP4124 Page copied from terminal termid (Message number msgno).

Explanation: This message appears in the display of messages waiting to be displayed (P/Q) and identifies a copied page. msgno is the message number of the copied page and termid is the terminal for which it is queued.
System Action: Processing continues.
User Response: None.
Destination: Terminal End User
Module: DFHTPR

DFHTP4126 msgno has been copied.

Explanation: This message is issued in response to a request to copy to another terminal. msgno is the message number of the message being displayed.
System Action: Processing continues.
User Response: None.
Destination: Terminal End User
Module: DFHTPR

DFHTP4127 nnnn must be a number. Please try again.

Explanation: The characters nnnn are not valid. The system expected a decimal value for a page or chain number, or a hexadecimal value for a message number.
System Action: Other processing continues.
User Response: Reenter the paging command. Use a valid number.
Destination: Terminal End User
Module: DFHTPR

DFHTP4128 command is undefined for page retrieval.

Explanation: After a page retrieval (PR) session had been started, the operator pressed a PA or PF key for which no PR command had been defined in the SIT.
System Action: The command is ignored. The display status bit is not altered.
User Response: Ensure that the PR command in question is defined in the SIT.
Destination: Terminal End User
Module: DFHTPR

DFHTP4130 You have used an unrecognized logical device. The valid names are xxx,yyy.

Explanation: A paging command containing an invalid logical device mnemonic was entered. xxx,yyy,... indicates the valid logical device mnemonics for the requested logical message.
System Action: Input is discarded and other processing continues.
User Response: Reenter the paging command with a logical device mnemonic chosen from those listed in the message.

Destination: Terminal End User
Module: DFHTPR

DFHTP4131 Requested page cannot be copied to that terminal.

Explanation: The operator has tried to copy a page that refers to an outboard format:
- To a terminal that does not support outboard formats, or
- To a terminal that does support outboard formats, but which has a different page width or a smaller page depth than the source terminal.
System Action: The paging request is ignored.
User Response: Carry out whichever one of the following is appropriate:
- Copy the offending page to a terminal that supports outboard formatting
- Make the referenced format nonoutboard
- Copy the offending page to a terminal that does support outboard formatting and which has a page size the same as that of the source terminal.
Destination: Terminal End User
Module: DFHTPR

DFHTP4132 No pages have been built for this partition.

Explanation: This an information message issued during a page retrieval session. It appears in a screen partition for which no pages have been built.
System Action: Processing continues.
User Response: None, unless a display was expected in the affected partition. In this case, check for an operator or application error.
Destination: Terminal End User
Module: DFHTPR

DFHTP4133 date time applid bmsid termtype pageno ID error on MCR or page.

Explanation: CICS was trying to retrieve page pageno of a message when an identifier error was received. Alternatively, CICS could have been trying retrieve a message control record (MCR) if the page pageno equaled zero when the identifier error was received. The message or page may be lost.

The probable cause is that temporary storage was cold-started after the message was scheduled or saved, or the message has already been purged.

bmsid is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page/message. termtype is the terminal type.
System Action: Other processing continues.
User Response: None.
Destination: CSMT
Module: DFHTPQ
XMEOUT Parameters: date, time, applid, bmsid, termtype, pageno
**DFHTP4134**

*date time applid bmsid termtype pageno Invalid request on MCR or page.*

**Explanation:** CICS was trying to store or retrieve page pageno of a message when a temporary storage invalid request error occurred. Alternatively, CICS could have been trying to store or retrieve a message control record (MCR) if the page pageno equaled zero when the temporary storage invalid request error occurred. The message or page may be lost.

The probable cause is that temporary storage was not loaded.

*bmsid* is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page/message. *termtype* is the terminal type.

**System Action:** Other processing continues.

**User Response:** Ensure that the temporary storage program is loaded.

**Destination:** CSMT

**Module:** DFHTPS

**XMEOUT Parameters:** date, time, applid, bmsid, termtype, pageno

**DFHTP4150**

*date time applid ID error on MCR.*

**Explanation:** During processing of a delayed delivery message a temporary storage identification error occurred. The message is lost for all destination terminals. Temporary storage was probably cold started after the message was originally scheduled.

**System Action:** Other processing continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHTPS

**XMEOUT Parameters:** date, time, applid

**DFHTP4151**

*date time applid I/O error on MCR.*

**Explanation:** During processing of a delayed delivery message a temporary storage I/O error occurred. The message is lost for all destination terminals.

**System Action:** Other processing continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHTPS

**XMEOUT Parameters:** date, time, applid

**DFHTP4152**

*date time applid Invalid request on MCR.*

**Explanation:** During processing of a delayed delivery message, a temporary storage invalid request error occurred. The message is lost for all destination terminals. The system was probably initialized without temporary storage.

**System Action:** Other processing continues.

**User Response:** Ensure that the system is initialized with temporary storage.

**Destination:** CSMT

**Module:** DFHTPS

**XMEOUT Parameters:** date, time, applid

**DFHTP4160**

*date time applid Message msgno purged as undeliverable from nnnn terminal(s).*

**Explanation:** The message numbered msgno has been waiting for display at a terminal, but nnnn of these terminals are unable to display the message because they are out of service. This message is sent to the master terminal operator.

**System Action:** To avoid affecting system performance, messages waiting longer than a time specified by the installation are purged.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHTPS

**XMEOUT Parameters:** date, time, applid, msgno, nnnn

**DFHTP4161**

*Message msgno was not delivered. It was purged from terminal(s) termid. Message title was title.*

**Explanation:** The message numbered msgno has been purged because it was not delivered within the system-defined time limit. *title* is the title of message msgno and appears in this message only if one exists. *termid* is the terminal from which the message was purged.

**System Action:** The message is purged from the system. No further attempt is made to deliver the message.

**User Response:** None.

**Destination:** Terminal End User

**Module:** DFHTPS

**DFHTP4162**

*date time applid nnnn BMS system messages purged as undeliverable from error notification terminal.*

**Explanation:** Basic mapping support (BMS) system messages (for example, DFHTP4161) have been waiting to be displayed at the error notification terminal, but the terminal is unable to display them because its status is not consistent with their status, or because traffic is too heavy.

*nnnn* is the number of BMS system messages purged and *termid* is the error notification terminal's identifier.

**System Action:** To avoid affecting system performance, messages waiting longer than a time specified by the installation, are purged.

**User Response:** Either alter the status of the terminal to allow messages to be displayed or increase purge delay time at CICS system initialization.

**Destination:** CSMT

**Module:** DFHTPS

**XMEOUT Parameters:** date, time, applid, nnnn

**DFHTP4164**

*date time applid termid cannot accept message DFHTP4161. It is undefined or does not support paging.*

**Explanation:** *termid* is the identifier of a terminal specified to receive notification if a message could not be delivered. However, *termid* is not now in the TCT or is not defined as a terminal supported by BMS. This message is followed by DFHTP4161, which contains the error notification.

**System Action:** Other processing continues.

**User Response:** Notify terminal *termid* of the contents of message DFHTP4161, which is issued following this message.
DFHTP4170 Request from system sysid to route message number msgno to terminal termid was not executed.

Explanation: BMS has received a request from system sysid to route message msgno to terminal termid. The request could not be executed because termid is invalid or could not be located.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: date, time, applid, msgno, termid

DFHTP4166 date time applid BMS has received an error return code retcode from CICS macro [TS PURGE | BMS TEXTBLD | BMS PAGEOUT | TS PUT].

Explanation: BMS received an error return code after issuing a CICS system macro request. retcode is the return code and macro is the macro request.

System Action: Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: date, time, applid, retcode, (1=TS PURGE, 2=BMS TEXTBLD, 3=BMS PAGEOUT, 4=TS PUT)

DFHTP4171 Request from system sysid to route message number msgno to terminal termid was not executed. Terminal not valid.

Explanation: BMS has received a request from system sysid to route message msgno to terminal termid. The request could not be executed because terminal termid is not valid.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: date, time, applid, msgno, termid

DFHTP4165 Undeliverable messages are being purged. The terminal is available for use.

Explanation: This message is sent to destination CSMT. It is also sent to the originating terminal if transaction CSPQ is entered from the terminal. Program DFHTPQ has been time-initiated to purge any messages that are considered undeliverable.

System Action: A non-terminal task is initiated to purge undeliverable messages.

User Response: None. The message is displayed at the terminal to indicate that the terminal is available for use.

Destination: Terminal End User

Module: DFHTPS

XMEOUT Parameters: date, time, applid, termid

DFHTP4172 date time applid Request from system sysid to route message number msgno to terminal termid was not executed. Terminal not supported by BMS.

Explanation: BMS has received a request from system sysid to route message msgno to terminal termid. The request could not be executed because terminal termid is of a type not supported by BMS.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: date, time, applid, msgno, termid

DFHTP4173 date time applid Request from system sysid to route message number msgno to terminal termid was not executed. Invalid LDC specified.

Explanation: BMS has received a request from system sysid to route message msgno to terminal termid. The request could not be executed because the LDC specification was invalid.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: date, time, applid, msgno, termid

DFHTP4174 date time applid Message routing has failed for terminal termid. The termid was invalid or could not be located.

Explanation: BMS has received a request from system sysid to route message msgno to terminal termid. The request could not be executed because termid is invalid or could not be located.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: date, time, applid, termid

DFHTP4180 date time applid Terminal termid specified as error terminal for message msgno from system sysid invalid and ignored.

Explanation: BMS has received a request from system sysid to route message msgno to terminal termid, specifying terminal termid to be notified in the event of the message not being delivered. Terminal termid is not defined in the terminal control table.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: date, time, applid, termid, msgno, sysid
DFHTP4190

DFHTP4190 Please enter your data again in the partition containing the cursor.

Explanation: The terminal operator entered data from a partition other than the expected input partition. The expected input partition is activated (that is, the cursor is moved into it), and the terminal operator should reenter data in this partition.

System Action: Processing continues.

User Response: Ensure that the terminal operator enters data in the correct partition.

Destination: Terminal End User

Module: DFHPHP

DFHTRxxx messages

DFHTR0001 applid An abend (code abcode) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in CICS code.

Alternatively, unexpected data has been input, or storage has been overwritten.

The code abcode is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHTRSR

XMEOUT Parameters: applid, abcode, X'offset', modname

DFHTR0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the CICS Problem Determination Guide.

System Action: An exception entry (code X'code') is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHTRSR

XMEOUT Parameters: applid, X'code', modname

DFHTR0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X' offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in
Chapter 1. DFH messages

DFHTR0101 STORAGE FOR INTERNAL TRACE TABLE NOT AVAILABLE - TRACE INOPERATIVE.

Explanation: During CICS initialization, there was insufficient storage for even the minimum allowable internal trace table size (16KB).

System Action: CICS terminates with a system dump.

User Response: The failure to get even 16KB from MVS at this early stage of initialization almost certainly means that other areas of CICS and other system functions will not be able to acquire the storage they require to operate, so the system is unlikely to initialize completely. A possible solution is to increase the value for the REGION keyword on the EXEC statement for the CICS job.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHTRDM

DFHTR0102 REQUESTED TRACE TABLE SIZE NOT AVAILABLE.

Explanation: CICS issues a variable-type GETMAIN to MVS for the internal trace table storage. This message indicates that the upper limit specified (on the TRTABSZ keyword) was not available, but that at least the lower limit of 16K was obtained. Message DFHTR0103 which follows this message gives the actual size acquired.

System Action: CICS continues with an internal trace table of the size given by message DFHTR0103.

User Response: There are three possible courses of action:
- Allow CICS to run with the decreased table size if this is thought to be adequate.
- Terminate the system and reinitialize after increasing the region size available to CICS.
- Once the system is initialized, use CETR to increase the table size to the required value.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHTRDM

DFHTR0103 TRACE TABLE SIZE IS nnK.

Explanation: The internal trace table acquired during CICS initialization has a table size nnKB.

This is either the same as that specified on the TRTABSZ keyword of the SIT or message DFHTR0101 or DFHTR0102 has preceded this on the console.

System Action: CICS continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHTRDM

DFHTR0104 applid No buffer storage available for auxiliary trace data set. Auxiliary trace is inoperative.

Explanation: An attempt to start auxiliary trace failed because there was insufficient storage available from MVS for the 4KB output buffer.

System Action: A CICS system dump with dump code TR0104 is taken. CICS then continues with auxiliary trace inactive.

User Response: Determine why so little MVS storage is available and retry if possible.

Destination: Console
Module: DFHTRDM

XMEOUT Parameter: applid

DFHTR0105 AUXILIARY TRACE DATA SET dataset COULD NOT BE OPENED - AUXILIARY TRACE INOPERATIVE.

Explanation: An attempt to start auxiliary trace or to switch auxiliary trace extents has failed because the request to BSAM to open data set dataset failed.

System Action: There are two cases:
- If the error occurs after an explicit request to start auxiliary trace (as opposed to switching extents), a CICS system dump with dump code TR0105 is taken. CICS then continues with auxiliary trace inactive.
- If the error occurs when auxiliary trace is already active, that is, an explicit switch request when auxiliary trace starts or an end-of-extent with autoswitching active, an SDUMP with dump code KERNDUMP is taken. This type of dump is not subject to suppression or modification by use of the dump table.

User Response: Check that the DD statement for data set dataset is present.

If it is, format the system dump and examine the TR domain information. The DCB for the auxiliary trace data set should be present. Use this to determine the reason for the open failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHTRSR, DFHTRSU
**DFHTR0106**

applid DFHTRAO could not be loaded. Auxiliary trace is inoperative.

**Explanation:** An attempt to start auxiliary trace failed because the CICS module, DFHTRAO, which is used to write to the auxiliary trace data set, could not be loaded.

**System Action:** The loader domain (LD) will have issued messages and dumps as necessary. CICS continues with auxiliary trace inactive.

**User Response:** Refer to the associated loader domain messages for further information and guidance.

**Destination:** Console

**Module:** DFHTRSR

**XMEOUT Parameter:** applid

**DFHTR0107 ABEND X'abcode' ON AUXILIARY TRACE DATA SET**

*dataset* - AUXILIARY TRACE STOPPED.

**Explanation:** The DCB abend exit for named auxiliary trace data set *dataset* was driven after a request to BSAM.

The 3-digit abend code is indicated as X'abcode'.

**System Action:** CICS continues with auxiliary trace inactive.

**User Response:** Refer to the OS/390 MVS System Codes manual for an explanation of the abend code, X'abcode'.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHTRAO

**DFHTR0108 I/O ERROR ON AUXILIARY TRACE DATA SET**

*dataset* - AUXILIARY TRACE STOPPED.

**Explanation:** The SYNAD exit for the auxiliary trace data set *dataset* was driven after a request to BSAM.

**System Action:** CICS will continue with auxiliary trace inactive.

**User Response:** Use this message and any BSAM messages to determine the source of the error.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHTRAO

**DFHTR0109 AUXILIARY TRACE DATA SET *dataset* FULL - AUXILIARY TRACE HAS BEEN STOPPED.**

**Explanation:** The auxiliary trace data set *dataset* is full. Auxiliary trace has been stopped because autoswitch is not active.

**System Action:** CICS continues with auxiliary trace inactive.

**User Response:** The auxiliary trace data set *dataset* can now be processed by the print routine DFHTU530.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHTRSU

**DFHTR0110 AUXILIARY TRACE DATA SET *dataset1* FULL - SWITCHING TO *dataset2*.**

**Explanation:** The auxiliary trace data set *dataset1* is full. Auxiliary trace is continuing on data set *dataset2* because autoswitching was requested.

**System Action:** CICS continues with auxiliary trace active on the data set *dataset2*.

**User Response:** Process the full data set if required.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHTRSU

**DFHTR0111 applid Unable to acquire storage for GTF buffer - GTF trace inoperative.**

**Explanation:** An attempt to start CICS tracing to the MVS Generalized Trace Facility (GTF) failed because there was insufficient storage available from MVS for the 256-byte buffer required.

This message can be issued by DFHTRDM during CICS initialization if GTFTR=ON is specified on the SIT or start-up overrides, or by DFHTRSU if the request to start GTF was made after CICS was up and running.

**System Action:** CICS continues with GTF tracing inactive.

**User Response:** The failure to acquire even 256 bytes of storage indicates that the CICS region is probably in a stall condition. This can only be relieved by removing some of the users of MVS storage or by restarting CICS, possibly with a larger region size.

**Destination:** Console

**Modules:** DFHTRDM, DFHTRSU

**XMEOUT Parameter:** applid

**DFHTR0112 applid Bad data passed for tracing to module *modname*.**

**Explanation:** Some data passed to the trace (TR) domain for addition to the internal trace table, auxiliary trace data set or GTF trace caused a program check when an attempt was made to access it.

This could either be as a result of a request made by CICS system code or a request made by a user program through the API or XPI.

If transaction isolation is active, this message can be issued if a transaction passes another transaction’s storage to CICS. A program check occurs when CICS attempts to trace this storage because the storage is fetch protected.

**System Action:** A system dump with dump code TR0112 is taken.

If the message was issued by DFHTRPT the dump contains an exception trace entry (point ID TR0102) that includes the erroneous parameter list passed to DFHTRPT.

If the message was issued by DFHTRFT the dump contains an exception trace entry (point ID TR0402) that includes the erroneous parameter list passed to DFHTRFT.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Examine the interpreted exception trace entry to determine the domain that issued the call and the ID of the entry.
Then look at the specified addresses and lengths in the data set fields to see if they contain reasonable values. The fault is in the module that set up these fields for the trace call.

If transaction isolation is active, examine the calling domain’s parameter list, data2, for storage that belongs to another transaction. Correct the offending application program. It should not be passing another transaction’s storage. Alternatively, alter the definition of the application so that it can validly access another transaction’s storage. See the CICS Resource Definition Guide for more information on how to alter the definition.

Destination: Console
Modules: DFHTRPT, DFHTRFT
XMEOUT Parameters: applid, modname

DFHTR0113 applid Auxiliary trace is being started on data set dataset.
Explanation: A request to start auxiliary trace has been successfully processed. The trace records are being written to data set dataset.
System Action: CICS continues with auxiliary trace active.
User Response: None.
Destination: Console
Module: DFHTRSR
XMEOUT Parameters: applid, dataset

DFHTR0114 AN ABEND HAS OCCURRED DURING INITIALIZATION OF TRACE IN MODULE modname.
Explanation: Module modname’s recovery routine received control during pre-initialization of the trace (TR) domain. This indicates that a program check has occurred in module modname.
There are three possible causes of this condition:
1. The module has been overwritten in main storage.
2. The module is at an incompatible level with the rest of the CICS modules.
3. There is an error in the module.
System Action: A system dump with dump code KERNDUMP is taken.
User Response: Inform the system programmer.
There may be an error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.
CICS may not have been terminated.
If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.
Use the dump to determine the cause of the condition.
Note: This message cannot be changed with the message editing utility.
Destination: Console

DFHTR0115 AN ABEND HAS OCCURRED IN THE AUXILIARY TRACE MODULE DFHTRA0.
Explanation: Module DFHTRA0’s recovery routine has received control.
This indicates a program check or MVS abend has occurred in DFHTRA0.
There are three possible causes of this condition:
• DFHTRA0 has been overwritten in main storage.
• DFHTRA0 is at an incompatible level with the rest of the CICS modules.
• There is an error in DFHTRA0.
System Action: A system dump with dump code KERNDUMP is taken.
User Response: There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.
CICS may not have been terminated.
If the message occurs once and module DFHTRA0 is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If the message recurs or if you cannot run without the full use of module DFHTRA0, you should bring CICS down in a controlled shutdown.
Use the dump to determine the cause of the condition.

DFHTR0116 AN ABEND HAS OCCURRED IN THE TRACE SUBROUTINES MODULE DFHTRSU.
Explanation: The recovery routine belonging to the trace domain module DFHTRSU has received control.
This indicates a program check or MVS abend has occurred in that module.
There are three possible causes of this condition:
• DFHTRSU has been overwritten in main storage.
• DFHTRSU is at an incompatible level with the rest of the CICS modules.
• There is an error in DFHTRSU.
System Action: A system dump with dump code KERNDUMP is taken.
User Response: There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.
CICS may not have been terminated.
If the message occurs once and module DFHTRSU is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If the message recurs or if you cannot run without the full use of module DFHTRSU, you should bring CICS down in a controlled shutdown.
Use the dump to determine the cause of the condition.
DFHTR0117

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHTRSU

**DFHTR0117 applid Auxiliary trace on data set dataset has been stopped.**

**Explanation:** An operator or application program request, to stop CICS tracing to the auxiliary trace data set dataset, has been successfully processed.

**System Action:** CICS continues with auxiliary trace inactive.

**User Response:** The auxiliary trace data set dataset can now be processed by the print routine DFHTU530.

**Destination:** Console

**Module:** DFHTRSR

**XMEOUT Parameters:** applid, dataset

**DFHTR0118 applid Auxiliary trace is being switched from dataset1 to dataset2.**

**Explanation:** An operator or application program request to switch extents on the auxiliary trace data set while auxiliary trace is active is being processed.

**System Action:** CICS stops tracing on the first named data set dataset1, and resumes tracing on the second named data set dataset2.

**User Response:** The first named auxiliary trace data set dataset1 can now be processed by the print routine DFHTU530.

**Destination:** Console

**Module:** DFHTRSR

**XMEOUT Parameters:** applid, dataset1, dataset2

**DFHTR1000 applid CICS abend requested by global trap exit DFHTRAP in module modname.**

**Explanation:** The field engineering global trap exit program (DFHTRAP) requested termination of CIC.

**System Action:** CICS disables the trap exit so that it will not be reentered, and terminates CIC.

**User Response:** Determine why DFHTRAP has requested system termination and act accordingly. You should use the global trap exit only in consultation with an IBM support representative.

**Destination:** Console

**Modules:** DFHTRPT, DFHTFRT

**XMEOUT Parameters:** applid, modname

**DFHTR1001 applid Program check occurred within global trap exit - DFHTRAP now marked unusable by module modname.**

**Explanation:** After making a trace entry, the CICS trace domain (TR) called the field engineering global trap exit program (DFHTRAP). A program check occurred during execution of DFHTRAP.

**System Action:** CICS marks the currently active version of DFHTRAP unusable, and will ignore it on future calls to TR domain. CICS then takes a dump with system dump code TR1001, and continues execution.

**User Response:** Use the dump to find the cause of the program check. To replace the currently active but unusable DFHTRAP by a new version in the CICS program library, issue the following commands in the sequence shown:

- CSFE DEBUG,TRAP=OFF (to deactivate the current trap)
- CEMT SET PROGRAM(DFHTRAP) NEWCOPY (to update the trap disk address known to CICS)
- CSFE DEBUG,TRAP=ON (to activate the new version of the trap)

You should use the global trap exit only in consultation with an IBM support representative.

**Destination:** Console

**Modules:** DFHTRPT, DFHTFRT

**XMEOUT Parameters:** applid, modname

**DFHTR1002 applid Program DFHTRAP is not available - global trap not activated**

**Explanation:** CICS could not activate the field engineering global trap exit program, DFHTRAP, during processing of the TRAP=ON SIT keyword or override in CICS initialization. This is almost certainly because DFHTRAP is not present in the program library.

**System Action:** CICS takes a system dump with dump code TR1002 and continues with the global trap not activated.

**User Response:** Ensure that DFHTRAP is defined to RDO and made available in the program library.

You should use the global trap exit only in consultation with an IBM support representative.

**Destination:** Console

**Module:** DFHTRDM

**XMEOUT Parameter:** applid

**DFHTR1003 applid CICS system dump requested by global trap exit DFHTRAP in module modname.**

**Explanation:** The user-coded global trap exit program (DFHTRAP) has requested a system dump in its return action settings.

**System Action:** CICS takes a system dump with dump code TR1003 and continues with the global trap still active.

**User Response:** Analyse the requested dump.

You should use the global trap exit only in consultation with an IBM support representative.

**Destination:** Console

**Modules:** DFHTRPT, DFHTFRT

**XMEOUT Parameters:** applid, modname

**DFHTR2000 INCOMPLETE ENTRY IGNORED.**

**Explanation:** CICS trace entries longer than 256 bytes have to be split into multiple Generalized Trace Facility (GTF) entries because of GTF’s length restriction. The CICS entry becomes a header entry followed by one or more continuation entries. This message in the GTF printout indicates that a CICS entry on GTF longer than 256 bytes has not been printed because a new header entry from the same MVS TCB was encountered before all of the continuation entries from a previous split entry were received.
Chapter 1. DFH messages

DFHTR2001 INSUFFICIENT STORAGE FOR RECONSTRUCTION BUFFER.

**Explanation:** A CICS entry longer than 256 bytes has been split into a header record and one or more continuation records on the generalized trace facility (GTF). It cannot be formatted because MVS could not allocate sufficient working storage for a buffer to allow reconstruction of the segmented entry.

**System Action:** The entry is printed in hexadecimal and the print job continues.

**User Response:** Run the GTF print job with a larger region size.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHTRPRG

DFHTR2002 INVALID ENTRY PASSED FOR FORMATTING.

**Explanation:** A GTF entry with the CICS format identifier (X’EF’) has been passed to the CICS GTF print routine but the data it contains is not part of a valid CICS trace entry.

**System Action:** The invalid entry is printed in hexadecimal and the print job continues.

**User Response:** Examine the entry for clues to its origin.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHTRPRG

DFHTR2003 UNEXPECTED CONTINUATION ENTRY ENCOUNTERED.

**Explanation:** CICS trace entries longer than 256 bytes have to be split into multiple GTF entries because of GTF’s length restriction. The CICS entry becomes a header entry followed by one or more continuation entries. This message in the GTF printout indicates that a GTF entry has been passed to the CICS GTF print routine that is not the start of a CICS segmented entry and the entry type is not one for which a continuation is currently expected.

**System Action:** The invalid entry is printed in hexadecimal and the print job continues.

**User Response:** This situation could arise if the header record for a segmented entry is overwritten because of GTF’s normal cyclic re-use of space in its data set. In this case the invalid entries would be very close to the start of the printout.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHTRPRG

DFHTR2004 THE MAXIMUM NUMBER OF BUFFERS (nn) HAVE BEEN ALLOCATED. NONE ARE FREE FOR REUSE.

**Explanation:** A CICS trace entry longer than 256 bytes has been split into a header record and one or more continuation records on the generalized trace facility (GTF). However, it cannot be formatted because the maximum number of buffers allowed for reconstruction of segmented entries for a specific type has been reached. This maximum is currently set to nn. The number of buffers for a specific type relates directly to the number of regions or systems writing trace entries to the GTF trace data set. During writing, the segmented entries for some of the different regions or systems could become interleaved in the data set. To ensure that the entries are formatted completely and correctly, it is necessary to have a buffer available for each region or system whose trace entries have become interleaved in this way. For further information on trace types and segmented entries see the section on trace formatting in the CICS Diagnosis Reference.

**System Action:** The entry is printed in hexadecimal and the print job continues.

**User Response:** None, but if the situation occurs regularly, contact your IBM Support Center to discuss whether the maximum value set is too low.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHTRPRG

DFHTR2005 THE LOAD FAILED FOR LOAD MODULE modname. PLACE MODULE IN THE LINK LIST AND TRY AGAIN.

**Explanation:** The generalized trace facility (GTF) trace formatter tried to load the correct release of trace formatter for the trace entry being processed.

**System Action:** The job continues printing trace entries in hexadecimal only.

**User Response:** Place the named trace formatter load module into the link list and rerun the job. If the named trace formatter is not available, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHTRPRG
**DFHTR3001 ERROR IN OPENING DFHAXPRT FILE.**

**Explanation:** The auxiliary trace print program DFHTU530 could not open the auxiliary trace data set to be processed.

**System Action:** The print job terminates with a return code of 8.

**User Response:** Ensure that the DD statement for DFHAXPRT is present and correct in the DFHTU530 job.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHTRPRA

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**DFHTR3002 ERROR IN OPENING DFHAUXT FILE.**

**Explanation:** The auxiliary trace print program DFHTU530 could not open the auxiliary trace data set to be processed.

**System Action:** The print job terminates with a return code of 8.

**User Response:** Ensure that the DD statement for DFHAUXT is present and correct in the DFHTU530 job.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHTRPRA

---

**DFHTR3003 ERROR IN OPENING DFHAXPRM FILE.**

**Explanation:** The auxiliary trace print program DFHTU530 could not open the parameter input data set DFHAXPRM.

**System Action:** The print job terminates with a return code of 8.

**User Response:** Ensure that the DD statement for DFHAXPRM is present and correct in the DFHTU530 job, or specify your input parameters on the PARM keyword of the EXEC statement.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHTRPRA

---

**DFHTR3010 ERROR IN TRACE DATA - ENTRIES MAY HAVE BEEN LOST.**

**Explanation:** The trace block being formatted contains invalid length and/or pointer fields. This can happen if the trace table is accidentally overwritten.

**System Action:** The trace formatting code scans the block to try and find valid entries. Any that are found are printed. The rest of the data is ignored.

**User Response:** Try and determine what caused the overwriting of the internal trace table.

The trace entries immediately before and after this message in the print out should be viewed with suspicion. They may contain incorrect data, or there may be one or more entries missing altogether at this point.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHTRFPB

---

**DFHTSxxxx messages**

**DFHTS0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.**

**Explanation:** An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, O1C or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHTSAM, DFHTSBR, DFHTSDM, DFHTSPT, DFHTSQR, DFHTSRM, DFHTSSH, DFHTSSR, DFHTSST, DFHTSWQ.

**XMEOUT Parameters:** applid, aaa/bbbb, X'offset', modname

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**DFHTS0002 applid A severe error (code X'code') has occurred in module modname.**

**Explanation:** An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System Action:** An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated.
by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHTSAM, DFHTSR, DFHTSS, DFHTSRM, DFHTSSH, DFHTSST, DFHTSWQ.

**XMEOUT Parameters:** applid, X'code', modname

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**DFHTS0100I** applid Temporary Storage initialization has started.

**Explanation:** This is an informational message indicating the start of temporary storage domain initialization.

**System Action:** Initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGGLVL=0.

**Destination:** Console

**Module:** DFHTSDM

**XMEOUT Parameter:** applid

---

**DFHTS0101I** applid Temporary Storage initialization has ended.

**Explanation:** Temporary storage domain initialization has completed successfully.

**System Action:** Initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGGLVL=0.

**Destination:** Console

**Module:** DFHTSDM

**XMEOUT Parameter:** applid

---

**DFHTS0102I** applid About to format the temporary storage data set (numcis control intervals).

**Explanation:** Temporary storage has been cold-started with a new data set. This message is issued when formatting of the data set commences, and indicates the number numcis of control intervals which will be formatted.

**System Action:** CICS continues. Message DFHTS0101 is issued when temporary storage initialization has been completed. Note that formatting can take a significant time if the data set is large.

**User Response:** None. You can suppress this message with the message level system initialization parameter, MSGGLVL=0.

**Destination:** Console

---

**DFHTS0103I** applid Invalid attempt to switch between a TST and RDO for Temporary Storage. The attempt is ignored.

**Explanation:** Temporary storage has detected an implicit attempt to switch between using a TST and RDO for TS queues, but CICS has not been COLD started.

**System Action:** CICS continues. The attempt to switch is ignored. CICS will use a TST (if specified) or RDO model for TS queues, as for the previous CICS run.

**User Response:** You may wish to restart CICS specifying an INITIAL or COLD start in order to complete the switch.

**Destination:** Console

**Module:** DFHTSAD

**XMEOUT Parameter:** applid

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**DFHTS1301I** applid (READ | WRITE) Error detected by temporary storage. RPL feedback area is X'yyyyy'.

**Explanation:** An I/O error has been detected by temporary storage. Either:

- A hardware error occurred while a task was accessing the temporary storage data set, or
- VSAM detected a logic error in the request. The most likely cause of this is that the data set was defined incorrectly.

**System Action:** An I/O ERROR return code is returned to the application program.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Ensure that the definition of the temporary storage data set is correct. For logic errors see the DFSMS/MVS Macro Instructions for Data Sets manual for assistance in interpreting RPL feedback codes.

See the CICS Problem Determination Guide for more guidance in dealing with temporary storage problems.

**Destination:** Console

**Module:** DFHTSAM

**XMEOUT Parameters:** applid, {1=READ, 2=WRITE}, X'yyyyy'

---

**DFHTS1310I** applid Temporary storage data set does not match bit map

**Explanation:** The temporary storage domain has detected an inconsistency between its control blocks. The inconsistency was detected either during compression of an I/O buffer or by the TS control block checking which is enabled via TS trace level 3.

Possible causes of the inconsistency are:

- An incorrect temporary storage data set (DFHTEMP) was used.
- The control interval size (CISIZE) of the temporary storage data set was changed between CICS runs.
- A storage overlay has occurred.
- An internal error has occurred within the TS domain.

**System Action:** CICS is abnormally terminated with a dump.
Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** To determine the cause of the error, check that:
- The correct data set was used.
- The CISIZE of DFHTEMP was not altered between CICS runs (if CISIZE was altered, temporary storage should have been cold started).

Whatever the cause of the error, temporary storage must now be cold started.

See the CICS Problem Determination Guide for more guidance in dealing with temporary storage problems. If an overlay has occurred, you will need further assistance from IBM.

See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console
**Module:** DFHTSAM
**XMEOUT Parameter:** applid

---

**DFHTS1311 applid Temporary storage data set is full and cannot be extended**

**Explanation:** The temporary storage data set is full. CICS has failed in an attempt to extend it.

**System Action:** Processing continues.
**User Response:** Consider whether you need to increase the space allocation for the temporary storage data set.

**Destination:** Console
**Module:** DFHTSAM
**XMEOUT Parameter:** applid

---

**DFHTS1315 applid The temporary storage data set has exceeded the maximum number of control intervals supported.**

**Explanation:** During a temporary storage write request, an attempt has been made to add a new control interval to the temporary storage data set. The temporary storage data set already contains the maximum number of supported control intervals and cannot be extended.

**System Action:** Processing continues.
**User Response:** Consider whether you need to increase the control interval size for the temporary storage data set. See the CICS System Definition Guide for guidance on defining the temporary storage data set.

**Destination:** Console
**Module:** DFHTSAM
**XMEOUT Parameter:** applid

---

**DFHTS1340 applid No DD statement provided for temporary storage data set.**

**Explanation:** CICS is unable to open the auxiliary temporary storage data set because no DD statement has been provided.

**System Action:** A dump is provided and CICS is terminated.
**User Response:** Correct the error and restart CICS.

**Destination:** Console
**Module:** DFHTSAM
**XMEOUT Parameter:** applid

---

**DFHTS1341 applid VSAM error processing SHOWCAT for temporary storage data set.**

**Explanation:** VSAM has detected an error during SHOWCAT processing for the auxiliary temporary storage data set.

**System Action:** A dump is provided and CICS is terminated.
**User Response:** Correct the error and restart CICS.

**Destination:** Console
**Module:** DFHTSDM
**XMEOUT Parameter:** applid

---

**DFHTS1342 applid Invalid VSAM definition for temporary storage data set.**

**Explanation:** CICS is unable to open the auxiliary temporary storage data set because it is not defined as VSAM ESDS.

**System Action:** A dump is provided and CICS is terminated.
**User Response:** Correct the error and restart CICS.

**Destination:** Console
**Module:** DFHTSDM
**XMEOUT Parameter:** applid

---

**DFHTS1343 applid Invalid control record for temporary storage data set**

**Explanation:** The auxiliary temporary storage data set was not initialized for temporary storage.

**System Action:** The temporary storage initialization task is abnormally terminated.
**User Response:** Correct the error and restart CICS.

**Destination:** Console
**Module:** DFHTSDM
**XMEOUT Parameter:** applid

---

**DFHTS1344 applid VSAM error processing SHOWCB for temporary storage data set, RC=\'retcode’**

**Explanation:** VSAM has detected an error during SHOWCB processing for the auxiliary temporary storage data set.

**System Action:** The temporary storage initialization task is abnormally terminated.
**User Response:** Correct the error and restart CICS.

**Destination:** Console
**Module:** DFHTSDM
**XMEOUT Parameter:** applid

---

**DFHTS1362 applid Temporary storage data set not formatted**

**Explanation:** The temporary storage data set was not formatted. It is empty. If initial formatting is necessary, it is performed when temporary storage is cold started.

**System Action:** The temporary storage initialization task is abnormally terminated.
**User Response:** Correct the error and restart CICS.

**Destination:** Console
**Module:** DFHTSDM
**XMEOUT Parameter:** applid

---

**DFHTS1363 applid Invalid control record for temporary storage data set**

**Explanation:** The auxiliary temporary storage data set was not initialized for temporary storage.

**System Action:** The temporary storage initialization task is abnormally terminated.
**User Response:** Correct the error and restart CICS.

**Destination:** Console
**Module:** DFHTSDM
**XMEOUT Parameter:** applid

---

**DFHTS1371 applid VSAM error processing SHOWCB for temporary storage data set, RC=\'retcode’**

**Explanation:** VSAM has detected an error during SHOWCB processing for the auxiliary temporary storage data set.

**System Action:** The temporary storage initialization task is abnormally terminated.
**User Response:** Correct the error and restart CICS.

**Destination:** Console
**Module:** DFHTSDM
**XMEOUT Parameter:** applid
Module: DFHTSDM
XMEOUT Parameters: applid, X'retcode'

DFHTS1372 applid VSAM error processing OPEN for temporary storage data set, R15=X'retcode', RC=X'errorcode'
Explanation: VSAM has detected an error during OPEN processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.
System Action: The temporary storage initialization task is abnormally terminated.
Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: Check the return code and error code in the appropriate VSAM publication.
Destination: Console
Module: DFHTSDM
XMEOUT Parameters: applid, X'retcode', X'errorcode'

DFHTS1373 applid VSAM error processing CLOSE for temporary storage data set, R15=X'retcode', RC=X'errorcode'
Explanation: VSAM has detected an error during CLOSE processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.
System Action: The temporary storage initialization task is abnormally terminated.
Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: Check the return code and error code in the appropriate VSAM publication.
Destination: Console
Module: DFHTSDM
XMEOUT Parameters: applid, X'retcode', X'errorcode'

DFHTS1374 applid VSAM error processing PUT for temporary storage data set, R15=X'retcode', RC=X'errorcode'
Explanation: VSAM has detected an error during PUT processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.
System Action: The temporary storage initialization task is abnormally terminated.
Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: Check the return code and error code in the appropriate VSAM publication.
Destination: Console
Module: DFHTSDM
XMEOUT Parameters: applid, X'retcode', X'errorcode'

DFHTS1375 applid VSAM error processing GET for temporary storage data set, R15=X'retcode', RC=X'errorcode'
Explanation: VSAM has detected an error during GET processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.
System Action: The temporary storage initialization task is abnormally terminated.
Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: Check the return code and error code in the appropriate VSAM publication.
Destination: Console
Module: DFHTSDM
XMEOUT Parameters: applid, X'retcode', X'errorcode'

DFHTS1376 applid VSAM error processing MODCB for temporary storage data set, R15=X'retcode'
Explanation: VSAM has detected an error during MODCB processing for the auxiliary temporary storage data set. The insert identifies the return code.
System Action: The temporary storage initialization task is abnormally terminated.
Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: Check the return code and error code in the appropriate VSAM publication.
Destination: Console
Module: DFHTSDM
XMEOUT Parameters: applid, X'retcode'

DFHTS1390 date time applid TSQUEUE name (X'hexval') not recovered. Time last referenced: hh:mm:ss mm/dd/yy, TSAGE: tsage
Explanation: During an emergency start, the recoverable temporary storage queue (TSQUEUE) name was not recovered. This is because the time elapsed since it was last referenced exceeded the aging limit of temporary storage data as specified in the value of TSAGE tsage in the DFHTST macro.
System Action: The queue is not recovered and processing continues.
User Response: Ensure that the value of TSAGE specified in the DFHTST macro is adequate.
Destination: CSMT
Module: DFHTSRM
XMEOUT Parameters: date, time, applid, name, X'hexval', hh:mm:ss, mm/dd/yy, tsage
DFHTS1576 applid Temporary storage format error
Explanation: A nonzero return code was received from the VSAM macro GENCB when CICS was attempting to build a VSAM request parameter list (RPL).
System Action: CICS terminates abnormally with a system dump. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: Console
Module: DFHTSDM
XMEOUT Parameter: applid

DFHTS1599 applid Region/Partition size insufficient to initialize CICS.
Explanation: The temporary storage domain has been unable to GETMAIN sufficient storage for its own control blocks during initialization.
System Action: CICS terminates with a system dump.
User Response: Increase the region/partition size and retry. You can get information about the size and number of occurrences of relevant control blocks by using the CICS Data Areas in conjunction with the system dump.
Destination: Console
Module: DFHTSDM
XMEOUT Parameter: applid

DFHUPxxxx messages

DFHUP0201 applid ANOTHER PRODUCT HAS ALREADY REGISTERED FOR THIS DOMAIN. IFAUSAGE RC 4 HAS BEEN ISSUED. MODULE module
Explanation: A return code of 4 has been issued in response to an IFAUSAGE macro call. Another product has already registered for this domain.
System Action: The current request is accepted but there is duplicate recording of data for both products.
User Response: Examine the type 89 records to determine which product is causing the duplicate registration to the domain. See the MVS/ESA Support for Measured Usage License Charges manual for an explanation of the return code.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHTSDM
XMEOUT Parameter: applid

DFHUP0202 applid THE UNAUTHORIZED REQUEST LIMIT HAS BEEN EXCEEDED. IFAUSAGE RC 8 HAS BEEN ISSUED. MODULE module
Explanation: A return code of 8 has been issued in response to an IFAUSAGE macro call. This unauthorized request would cause the number of such requests to exceed the unauthorized request limit.
System Action: Processing continues.
User Response: See the MVS/ESA Support for Measured Usage License Charges manual for an explanation of the return code.
You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHTSDM
XMEOUT Parameter: applid

DFHUP0203 applid USAGE DATA COLLECTION FUNCTION IS NOT AVAILABLE ON THIS SYSTEM. IFAUSAGE RC 16 HAS BEEN ISSUED. MODULE module
Explanation: A return code of 16 has been issued in response to an IFAUSAGE macro call. The usage data collection function is not available on this system.
System Action: Processing continues.
User Response: If SMF usage processing is not available on this system (for example, if apar 0W02855 is not installed), you can ignore this message. See the MVS/ESA Support for Measured Usage License Charges manual for an explanation of the return code.
You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHTSDM
XMEOUT Parameter: applid

DFHUP0204 applid AN INVALID REQUEST HAS BEEN MADE. IFAUSAGE RETURN CODE X'code': MODULE module
Explanation: The return code X'code' has been issued in response to an IFAUSAGE macro call. An invalid request or an internal parameter error has occurred.
System Action: Processing continues.
User Response: If SMF usage processing is not available on this system (for example, if apar 0W02855 is not installed) you can ignore this message. See the MVS/ESA Support for Measured Usage License Charges manual for an explanation of the return code.
You may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Note: This message cannot be changed with the message editing utility.
DFHUSxxxx messages

DFHUS0001 applid An abend (code aab/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aab/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHUSAD, DFHUSD, DFHUSFL, DFHUSIS, DFHUSST, DFHUSXM

DFHUS0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where it was detected.

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHUSAD, DFHUSD, DFHUSFL, DFHUSIS, DFHUSST, DFHUSXM

XMEOUT Parameters: applid, X'code', modname

DFHUS0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in
DFHUS0006

 milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. However you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHUSAD, DFHUSDM, DFHUSFL, DFHUSIS, DFHUSST, DFHUSXM

XMEOUT Parameters: applid, X'offset', modname

DFHUS0006 applid Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

Explanation: An MVS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code mvscode is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code X'code'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager, DFHDMDM). A message is issued to the caller.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the CICS System Definition Guide or the CICS Performance Guide for more information on CICS storage.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHUSDM, DFHUSAD

XMEOUT Parameters: applid, X'code', modname, mvscode

DFHUS0050 applid The default userid userid1 cannot be used by this CICS job with region userid2.

Explanation: The default userid specified in the system initialization parameter DFLTUSER cannot be used by this CICS job.

The region userid for this CICS job is not authorized to use the userid specified in the DFLTUSER system initialization parameter.

System Action: CICS initialization terminates.

User Response: Ensure the default userid and the userid for the CICS region are correct.

If the two userids are correct, obtain the necessary authorization for the default userid to be used by the CICS region userid. This may require the assistance of a security administrator.

Previous messages may have been produced by the job giving additional information.

Destination: Console

Module: DFHUSDM

XMEOUT Parameters: applid, userid1, userid2

DFHUS0120 applid An error occurred when performing SNSCOPE checking for a signon request.

Explanation: The MVS ENQ issued as part of SNSCOPE checking has failed. The return code indicates that the CICS job has reached the limit of concurrent resource requests.

System Action: A system dump is suppressed, unless you have specifically enabled dumps for this dumpcode in the dump table. The request to signon is rejected.

User Response: See the OS/390 MVS Programming Authorized Assembler Services Guide for guidance on increasing the MVS ENQ limit. The MVS ENQ is issued by CICS in an unauthorised state.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHUSAD, DFHUSFL

XMEOUT Parameter: applid

DFHUS0150 applid An attempt to establish security has failed for userid userid in group groupid, (no terminal, l netname i console |portname applid applid). Unable to initialize the transaction tranid. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

Explanation: An attempt was made to establish security for userid userid in group groupid with access to resources allowed for the terminal or console portname and the application applid. The attempt was rejected by the external security manager (ESM).

The transaction tranid cannot be initialized.

System Action: Security has not been established for the userid. The attempt to initialize the transaction has failed.

User Response: The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the
response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHUSXM

XMEOUT Parameters: applid, userid, groupid, {99=no terminal, , 1=netname , 2=console }, portname, applid, tranid, X'safresp', X'safreas', X'esmresp', X'esmreas'

DFHUS0200 date time applid User userid in group groupid( at netname ) at console )portname has been timed out.

Explanation: User userid in group groupid (at terminal portname if appropriate) has been removed from this CICS system because the userid has been unused for a period longer than that specified in the USRDELAY system initialization parameter.

System Action: Processing continues.

User Response: See the CICS System Definition Guide for more information about USRDELAY.

Destination: CSCS

Module: DFHUSDM

XMEOUT Parameters: date, time, applid, userid, groupid, {1= at netname , 2= at console }, portname

DFHWBxxxx CICS Web Interface messages

Messages in the range 7001-7009 are issued by the CICS-supplied ICAPI (Internet Connection Application Programming Interface) DLL program, which executes under control of the ICSS/390 (Internet Connection Secure Server for OS/390) Web server program.

The messages appear in the log file of the ICSS/390 job.

DFHWB0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS code manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Module: DFHWBWB

XMEOUT Parameters: applid, aaa/bbbb, X'offset', modname
DFHWB0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point ID, which gives an indication of the cause of the error:

- 4643—DFHWBST was called with an invalid format
- 4644—DFHWBST was called with an invalid function
- 4647—The Web State manager was unable to update the Web state token directory when creating a new state block
- 4654—The Web State manager was unable to browse the Web state token directory during garbage collection
- 4652—The Web State manager was unable to perform a LOCK of the Web state data
- 4653—The Web State manager was unable to perform an UNLOCK of the Web state data
- 4683—DFHWBTC was called with an invalid format
- 4684—DFHWBTC was called with an invalid function
- 4685—An error was returned by the LE/370 pre-initialized environment (CEEPPI)
- 4686—Call to CICS Web 3270 emulator failed

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Modules: DFHWBST, DFHWBTC
XMEOUT Parameters: applid, X'offset', modname

DFHWB0002 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction that was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Because some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function that exceeds the runaway task time interval that you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module modname will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Modules: DFHWBST, DFHWBTC
XMEOUT Parameters: applid, X'offset', modname

DFHWB0006 applid Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

Explanation: An MVS GETMAIN was issued by module modname but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code mvscode is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user's applid coded in the SIT. If CICS produces this message in these circumstances, it uses the default applid value DBDCCICS.

System Action: CICS will terminate with a system dump. An exception entry is made in the trace table (code X'code' in the message).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.

Destination: Console
Module: DFHWBST
XMEOUT Parameters: applid, X'code', modname, mvscode

DFHWB0100 date time applid tranid The CICS Web Interface program cannot link to program DFHWBBLI.


Explanation: The alias program used EXEC CICS LINK but was unable to link to program DFHWBBLI.

System Action: The link is abandoned. An HTTP response code of 500 (internal server error) is returned to the Web Browser. The alias abends with abend code AWBL.

User Response: Use the CEDA transaction to ensure that program DFHWBBLI has been correctly defined and installed.

Destination: CWBO
Module: DFHWBA
The CICS Web Interface alias program DFHWBBLI has returned an error. The request is abandoned. The error response returned by program DFHWBBLI is returned to the Web Browser in an HTTP response:

403 The userid associated with the request is not authorized to invoke the requested converter program, or the requested server program.

404 A link to the converter program or to the server program failed because CICS could not locate the requested program.

500 A link to the converter program or to the server program failed with an unexpected error.

503 A link to the converter program or to the server program failed for one of the following reasons:

- The server program is defined as remote, but the link to this program failed with a SYSID error, so the remote connection is either not defined correctly, or not active.
- The link to the converter or the server program failed with the ROLLEDBACK response.

The alias abends with abend code AWBM.

**User Response:** Check program DFHWBBLI and the programs which it calls.

**Destination:** CWBO

**Module:** DFHWBA

**XMEOUT Parameters:** date, time, applid, tranid, hostaddr, clientaddr, {1=, 2= TCPIPSERVICE: }, tcpipservice

DFHWB0103 The CICS Web Interface alias program has received an error response (code X'code') on a call made to CICS during alias initialization.

**Explanation:** The alias program was unable to locate the START data for this request, or the START data was invalid. The error response code X'code' is the exception trace point id that uniquely identifies which error has occurred. A code of '4565'X means that the START data was missing, and '4566'X means that the START data was invalid.

**System Action:** The alias abends with abend code AWBF and a trace entry is made in the trace table.

**User Response:** The alias program DFHWBA is only to be used for alias transactions started by the CICS Web Interface.

**Destination:** CWBO

**Module:** DFHWBA

**XMEOUT Parameters:** date, time, applid, tranid, {1=, 2= TCPIPSERVICE: }, tcpipservice

DFHWB0106 The CICS Web Interface alias program DFHWBBLI has detected an error. A system dump is taken. The alias abends with abend code AWBM. Message DFHME0116 is normally produced containing the symptom string for this problem.

**Explanation:** The alias had detected an error.

**System Action:** A system dump is taken. The alias abends with abend code AWBH. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Examine the diagnostics to determine the reason for the error.

**Destination:** CWBO

**Module:** DFHWBA

**XMEOUT Parameters:** date, time, applid, tranid, {1=, 2= TCPIPSERVICE: }, tcpipservice

DFHWB0108 The CICS Web Interface alias program has detected an abend. Host IP address: hostaddr. Client IP address: clientaddr, {1=, 2= TCPIPSERVICE: }, tcpipservice

**Explanation:** The alias has detected an abend.

**System Action:** The alias abends with abend code AWBI.

**User Response:** You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CWBO

**Module:** DFHWBA

**XMEOUT Parameters:** date, time, applid, tranid, eibresp, resp2val, {1=, 2= TCPIPSERVICE: }, tcpipservice

**DFHWB0109** Web domain initialization has started.

**Explanation:** This is an informational message indicating the start of Web domain initialization.

**System Action:** CICS initialization continues.

**User Response:** None. You can suppress this message with the system initialization parameter, MSGLV=0.

**Destination:** Console

**Module:** DFHWBDM
DFHWB0110I XMEOUT Parameters: applid

DFHWB0110I applid Web domain initialization has ended.

Explanation: Web domain initialization has completed successfully.
System Action: CICS initialization continues.
User Response: None. You can suppress this message with the system initialization parameter, MSGLEVEL=0.
Destination: Console
Module: DFHWBDM
XMEOUT Parameter: applid

DFHWB0111 applid WB Domain initialization failed. Reason Code: X'rc'.

Explanation: The CICS Web domain initialization failed with reason code rc.
System Action: CICS initialization continues. Subsequent calls to the components of the CICS Web environment may fail.
User Response: Use the reason code rc to determine why initialization failed. The possible reasons are:

1. Storage for the Web anchor block could not be obtained.
2. Storage for the State Manager anchor block could not be obtained.
3. The creation of the State Token Directory failed.
4. The subpool required for state management could not be added.
5. The subpool required for HTTP buffers could not be added.
6. The addition of the Web State Manager lock failed.
7. The subpool required for 3270 buffers could not be added.
8. The initialization of the webrequest class failed.

Destination: Console
Module: DFHWBDM
XMEOUT Parameters: applid, X'rc'

DFHWB0117 date time applid tranid The CICS Web Interface program DFHWBBLI has received a parameter list from the converter program program_name during (Decode | Encode) processing. |

Explanation: Program DFHWBBLI received an error response from the converter program program_name during either Decode or Encode processing, and the parameter list being passed was corrupt.
System Action: An error message is sent to the client and an exception trace entry is made in the trace table.
User Response: Ensure that the converter program being used is correct.
Destination: CWBO
Module: DFHWBBLI
XMEOUT Parameters: date, time, applid, tranid, program_name, {4=Decode, 5=Encode}, {1= , 2= TCPIPSERVICE: }, tcpipservice

DFHWB0118 date time applid tranid The CICS Web Interface program DFHWBBLI has detected an error. |

Explanation: Program DFHWBBLI has detected an error.
System Action: A system dump is taken. The transaction abends with abort code AWBR. Message DFHWME0116 is normally produced containing the symptom string for this problem.
User Response: Examine the diagnostics to determine the reason for the error.
Destination: CWBO
Module: DFHWBBLI
XMEOUT Parameters: date, time, applid, tranid, {1= , 2= TCPIPSERVICE: }, tcpipservice

DFHWB0119 date time applid tranid The CICS Web Interface program DFHWBBLI has been started incorrectly. |

Explanation: Program DFHWBBLI has detected an error while validating initialization information. This probably means that the program has been started incorrectly.
System Action: The transaction abends with abort code AWBO.
User Response: Check that the program was not started by a transient data trigger level or by a CECI user.
Destination: CWBO
Module: DFHWBBLI
XMEOUT Parameters: date, time, applid, tranid, {1= , 2= TCPIPSERVICE: }, tcpipservice

DFHWB0120 date time applid tranid The CICS Web Interface program DFHWBBLI cannot link to program program_name, EIBRESP: eibresp EIBRESP2: resp2val, {1= , 2= TCPIPSERVICE: }, tcpipservice

Explanation: Program DFHWBBLI used an EXEC CICS LINK but was unable to link to the given program and an EIB response was returned.
System Action: The link is abandoned.
User Response: Ensure that the program definition is correct.
Destination: CWBO
Module: DFHWBBLI
XMEOUT Parameters: date, time, applid, tranid, program_name, eibresp, resp2val, {1= , 2= TCPIPSERVICE: }, tcpipservice

DFHWB0121 date time applid tranid The CICS Web Interface program DFHWBBLI encountered an error during Decode processing in the converter program. Reason code: respcode, reason code: reasoncode, {1= , 2= TCPIPSERVICE: }, tcpipservice

Explanation: The Decode function of the converter has returned an error.
System Action: An error message is sent to the client.
User Response: The response code insert gives the RESPONSE code returned by the converter program. The reason code insert gives the REASON code returned by the converter program.

The values defined by CICS for these fields are defined in copybook DFHWBUCD. The CICS defined values for the RESPONSE code are:
DFHWB0122 date time applid tranid The CICS Web Interface program DFHWBBLI has encountered an error during Encode processing in the converter program.
Response code: respcode, reason code: reasoncode, {1=, 2=TCPIPSERVICE: }, tcpipservice

Explanation: The Encode function of the converter program has returned an error.

System Action: An error message is sent to the client.
User Response: The response code insert gives the reason for the error.
Destination: CWBO
Module: DFHWBBLI
XMEOUT Parameters: date, time, applid, tranid, program, respcode, reasoncode, {1=, 2=TCPIPSERVICE: }, tcpipservice

DFHWB0123 date time applid tranid The CICS Web Interface program DFHWBA1 has detected an error.
/res TCPIPSERVICE: tcpipservice

Explanation: Program DFHWBA1 has detected an error.

System Action: A system dump is taken. The transaction abends with abend code AWBR. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: Examine the diagnostics to determine the reason for the error.
Destination: CWBO
Module: DFHWBA1
XMEOUT Parameters: date, time, applid, tranid, {1=, 2=TCPIPSERVICE: }, tcpipservice

DFHWB0124 date time applid tranid The CICS Web Interface program DFHWBA1 has been started incorrectly.
/res TCPIPSERVICE: tcpipservice

Explanation: Program DFHWBA1 has detected an error while validating initialization information. This probably means that the program has been started incorrectly.

System Action: The transaction abends with abend code AWBQ.
User Response: Check that the program was not started by a transient data trigger level or by a CECI user.
Destination: CWBO
Module: DFHWBA1
XMEOUT Parameters: date, time, applid, tranid, {1=, 2=TCPIPSERVICE: }, tcpipservice

DFHWB0125 date time applid tranid The CICS Web Interface program DFHWBBLI has detected an abend issued by the program program.
/res TCPIPSERVICE: tcpipservice

Explanation: Program DFHWBBLI has detected an abend by the program that was servicing the request.

System Action: The alias returns control to the caller.
User Response: Examine the diagnostics to determine the reason for the error.
Destination: CWBO
Module: DFHWBBLI
XMEOUT Parameters: date, time, applid, tranid, program, {1=, 2=TCPIPSERVICE: }, tcpipservice

DFHWB0126 date time applid tranid The CICS Web Interface program DFHWBBLI has detected an abend issued by Encode in converter program.
/res TCPIPSERVICE: tcpipservice

Explanation: Program DFHWBBLI has detected an abend by the program that was servicing the request during Encode processing.

System Action: The alias returns control to the caller.
User Response: Examine the diagnostics to determine the reason for the error.
Destination: CWBO
Module: DFHWBBLI
XMEOUT Parameters: date, time, applid, tranid, program, {1=, 2=TCPIPSERVICE: }, tcpipservice

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DFHWB0127  date time applid tranid The CICS Web Interface program DFHWBBLI has detected an abend issued by Decode in converter program. {
   | TCPIPSERVICE: tcpipservice
   | Explanation: Program DFHWBBLI has detected an abend by the converter that was servicing the request during Decode processing.
   | System Action: The alias returns control to the caller.
   | User Response: Examine the diagnostics to determine the reason for the error.
   | Destination: CWBO
   | Module: DFHWBBLI
   | XMEOUT Parameters: date, time, applid, tranid, program, {1= , 2= TCPIPSRVICE: }, tcpipservice

DFHWB0128  date time applid tranid An error has been detected by program program. {
   | TCPIPSERVICE: tcpipservice
   | Explanation: Program DFHWBBLI has detected an error.
   | System Action: The alias returns control to the caller.
   | User Response: Examine the diagnostics to determine the reason for the error.
   | Destination: CWBO
   | Module: DFHWBBLI
   | XMEOUT Parameters: date, time, applid, tranid, program, {1= , 2= TCPIPSRVICE: }, tcpipservice

DFHWB0130  date time applid tranid No state token passed to program DFHWBTLT. {
   | TCPIPSERVICE: tcpipservice
   | Explanation: Program DFHWBTLT was not passed the expected state token.
   | System Action: The transaction abends with code AWC2, and an exception trace entry 410C is written.
   | User Response: You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
   | Destination: CWBO
   | Module: DFHWBTLT
   | XMEOUT Parameters: date, time, applid, tranid, {1= , 2= TCPIPSRVICE: }, tcpipservice

DFHWB0131  date time applid tranid An error code X'code' occurred in DFHWBLT while accessing the Web state data for this transaction. {
   | TCPIPSERVICE: tcpipservice
   | Explanation: The Web Bridge Exit program, DFHWBTLT, has detected an error when attempting to access the Web state data held for this transaction.
   | System Action: An exception trace entry is made in the trace table using code X'code'. The transaction abends with abend code AWC1 if the Bridge Exit was trying to establish a partnership with the CICS Web Interface alias transaction.
   | User Response: Use the error code code to determine the reason for the failure: 4106 Unable to establish a partnership with the associated CICS Web Interface alias transaction.

DFHWB0132  date time applid tranid Program DFHWBTLT terminated due to storage problems. {
   | TCPIPSERVICE: tcpipservice
   | Explanation: A getmain for storage issued by DFHWBTLT failed. Without the storage, processing cannot continue.
   | System Action: The transaction abends with code AWC5, and an exception trace entry 410D is written.
   | User Response: If this error occurs repeatedly, you may need to examine the storage setup of your CICS system. Refer to the CICS Customization Guide for further information on controlling CICS storage.
   | Destination: CWBO
   | Module: DFHWBTLT
   | XMEOUT Parameters: date, time, applid, tranid, X'code', {1= , 2= TCPIPSRVICE: }, tcpipservice

DFHWB0133  date time applid tranid Error X'code' occurred during CICS Web 3270 transaction processing. {
   | TCPIPSERVICE: tcpipservice
   | Explanation: Program DFHWBTLTTA detected an error when attempting to attach the Web bridge transaction or the Web 3270 Bridge exit program DFHWBLT encountered an internal error.
   | System Action: The transaction returns an internal server error (HTTP response 500) to the HTTP client.
   | User Response: The error code code identifies the CICS trace entry that corresponds to the failure. You may determine the
transaction identifier of the Web bridge transaction from this entry and its significant characteristics.

Collect the CICS trace output. You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CWBO

**Modules:** DFHWBTTA, DFHWBLT

**XMEOUT Parameters:** date, time, applid, tranid, X'code', {1= , 2= TCPIPSERVICE: }, tcpipservice

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**DFHWB0134**

**Date Time Applid Transid Error X'code' occurred**

resolving the AID from HTTP forms data in the CICS Web terminal translation application.

**Explanation:** Program DFHWBTTA is unable to resolve an attention identifier from the HTTP forms data returned from a web browser. DFHWBTTA translates the HTTP forms data into the correct 3270 format required by the CICS terminal-oriented transaction that is the target of this request. The attention identifier or AID is a mandatory part of this format. DFHWBTTA cannot locate a name=value pair in the HTTP forms data that adheres to the naming convention defined by the CICS Web Interface to represent an AID, and so cannot return an AID value to the terminal-oriented transaction.

**System Action:** DFHWBTTA returns an internal server error (HTTP response 500) to the HTTP client, and terminates the exchange with the terminal-oriented transaction.

**User Response:** The error code code identifies the CICS trace entry that corresponds to the failure. The HTTP forms data is produced as trace data. Collect the CICS trace output. Examine the HTTP forms data to determine what was returned from the web browser. Corruption of the HTTP forms data may be the cause of the problem. You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CWBO

**Modules:** DFHWBTTA

**XMEOUT Parameters:** date, time, applid, tranid, X'code', {1= , 2= TCPIPSERVICE: }, tcpipservice

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**DFHWB0135**

**Date Time Applid Transid Error X'code' occurred**

resolving the next transaction identifier from HTTP forms data in the CICS Web terminal translation application.

**Explanation:** Program DFHWBTTA is unable to resolve the next transaction identifier from the HTTP forms data returned from a web browser. DFHWBTTA translates the HTTP forms data and extracts the identifier of the next transaction to be executed. DFHWBTTA cannot locate a name=value pair in the HTTP forms data that adheres to the naming convention defined by CICS to represent the next transaction identifier and so it cannot determine which terminal-oriented transaction to start.

**System Action:** DFHWBTTA returns an internal server error (HTTP response 500) to the HTTP client.

**User Response:** The error code code identifies the CICS trace entry that corresponds to the failure. The HTTP forms data is produced as trace data. Collect the CICS trace output. Examine the HTTP forms data to determine what was returned from the web browser. Corruption of the HTTP forms data may be the cause of the problem. You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CWBO

**Modules:** DFHWBTTA

**XMEOUT Parameters:** date, time, applid, tranid, X'code', {1= , 2= TCPIPSERVICE: }, tcpipservice

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**DFHWB0136**

**Date Time Applid Transid An error code X'code' has occurred as a result of the Web State Garbage Collection process.**

explanation: Program DFHWBLT detected an error when attempting to access the Web state data held for this transaction. The transaction wait time has exceeded the garbage collection limit and the state block has been deleted by the garbage collection process.

**System Action:** If the error occurs in DFHWBLT, a TERMERR condition is returned to the application and processing continues. If the error occurs in DFHWBTTA, an error response is sent to the browser and processing continues.

**User Response:**

Use the error code code to determine which module received the error:

410B The error occurred in DFHWBTTA.

420B The error occurred in DFHWBLT.

The cause of the error is that the garbage collection interval for the Web state data has been exceeded, and the relevant state data has been deleted. Check that the garbage collection interval for the state data is set to a suitable value. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CWBO

**Modules:** DFHWBLT, DFHWBTTA

**XMEOUT Parameters:** date, time, applid, tranid, X'code', {1= , 2= TCPIPSERVICE: }, tcpipservice

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**DFHWB0137**

**Date Time Applid Transid An error code X'code' occurred in DFHWBTTA while accessing the Web state data for this transaction.**

**Explanation:** The Web Terminal Translation Application program, DFHWBTTA, has detected an error when attempting to access the Web state data held for this transaction.

**System Action:** An exception trace entry is made in the trace table using code X'code'.

**User Response:**

Use the error code code to determine the reason for the failure:

4203 Unable to establish a partnership with the associated CICS Web Interface alias transaction.

4204 Unable to initialize a partnership with the associated CICS Web Interface alias transaction.
The most likely cause of the error is that the timeout interval for the Web state data has been exceeded, and the relevant state data has been deleted. Check that the timeout interval for the state data is set to a suitable value. You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CWBO

**Module:** DFHWBTTA

**XMEOUT Parameters:** date, time, applid, tranid, X'safresp', X'esmresp', X'esmreas', hostaddr, clientaddr, X'mid', X'.memo', X'memo', X'id', X'tranid', X'errorid', X'func', X'function', X'time', X'date', X'applid', X'tranid', {1= , 2= TCPIPSERVICE: }, tcpipservice

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DFHWB0150 date time applid tranid The CICS HTML template manager could not locate template template_name in the HTML template data set. ( / TCPIPSERVICE: tcpipservice

**Explanation:** The CICS HTML template manager DFHWBTL could not find template name template_name in the HTML data set.

**System Action:** Because 3270 / HTML conversion cannot be performed without the template, CICS returns a TERMERR condition to the application. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Make sure that the template exists in the template library. See the CICS External Interfaces Guide for guidance on how to create HTML templates. Report the details of the symptom string given in message DFHME0116.

**Destination:** CWBO

**Module:** DFHWBTTA

**XMEOUT Parameters:** date, time, applid, tranid, X'safresp', X'esmresp', X'esmreas', hostaddr, clientaddr, X'mid', X'memo', X'memo', X'id', X'tranid', X'errorid', X'func', X'function', X'time', X'date', X'applid', X'tranid', {1= , 2= TCPIPSERVICE: }, tcpipservice

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DFHWB0151 date time applid tranid The CICS Web Interface 3270 emulation code was unable to process the data it was passed. ( / TCPIPSERVICE: tcpipservice

**Explanation:** The CICS Web Interface routine that converts 3270 data streams to HTML, and vice versa, has detected an error. This is probably because it has been passed an invalid 3270 data stream on an EXEC CICS SEND command, or because the browser has returned some data that it is incapable of handling in response to an EXEC CICS RECEIVE command.

**System Action:** The transaction is abended with code AEIP (INVREQ). There will be subsequent messages from the web state management code as it tidies up for the abending task. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Use CEDX or trace to look at the data that was in error and then correct the sending application. Report the details of the symptom string given in message DFHME0116.

**Destination:** CWBO

**Module:** DFHWBTC

**XMEOUT Parameters:** date, time, applid, tranid, {1= , 2= TCPIPSERVICE: }, tcpipservice

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DFHWB0360 date time applid tranid An attempt to establish security for userid userid has failed. Transaction tranid cannot be started. SAF codes are (X'safresp';X'safreas'). ESM codes are (X'esmresp';X'esmreas'). Host IP address: hostaddr. Client IP address: clientaddr. TCPIPSERVICE: tcpipservice

**Explanation:** An attempt was made to establish security for userid userid but it was rejected by the external security manager (ESM).

In order to start transaction tranid CICS Web attach processing requires security to be established for userid userid, as selected for this transaction by the Analyzer URM specified for TCPIPSERVICE tcpipservice

**System Action:** Security has not been established for the userid. The attempt to start the transaction has failed.

**User Response:** The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide, and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

**Destination:** CWBO

**Module:** DFHWBXM

**XMEOUT Parameters:** date, time, applid, userid, tranid, X'safresp', X'safreas', X'esmresp', X'esmreas', hostaddr, clientaddr, tcpipservice
DFHWB0361 date time applid An attempt to attach a CICS Web alias transaction for userid userid has failed because the user is not authorized to execute transaction tranid. Host IP address: hostaddr. Client IP address: clientaddr. TCPIPSERVICE: tcpipservice.

Explanation: An attempt was made to start transaction tranid by userid userid but it was rejected. CICS Web attach processing could not start transaction tranid processing because userid userid is not authorized to execute transaction tranid, which was selected for this HTTP Request by the Analyzer URM specified for TCPIPSERVICE tcpipservice.

System Action: The attach for transaction tranid fails, then processing continues.

User Response: Either determine why the Analyzer URM selected transaction tranid, or modify the Analyzer URM to select an authorized transaction identifier.

Destination: CWBO
Module: DFHWBXM
XMEOUT Parameters: date, time, applid, userid, tranid, hostaddr, clientaddr, tcpipservice

DFHWB0362 date time applid CICS Web alias transaction tranid could not be started due to an unexpected error. Host IP address: hostaddr. Client IP address: clientaddr. TCPIPSERVICE: tcpipservice.

Explanation: An attempt was made to start transaction tranid but the attach failed due to an unexpected error. CICS Web attach processing could not start transaction tranid due to an unexpected error.

System Action: The attach for transaction tranid fails, then processing continues.

User Response: you may need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CWBO
Module: DFHWBXM
XMEOUT Parameters: date, time, applid, tranid, hostaddr, clientaddr, tcpipservice

DFHWB0363 date time applid tranid A client certificate that maps to a valid userid is required. Host IP address: hostaddr. Client IP address: clientaddr. TCPIPSERVICE: tcpipservice.

Explanation: The client at IP address clientaddr has tried to connect to CICS on a TCPIPSERVICE that has the option AUTHENTICATE(CERTIFICATE), but the client has not provided a client certificate that maps to a valid userid in the external security manager. This may be for one of the following reasons:
- The client has not provided any certificate
- The client's certificate is not installed in the external security manager's database
- The client's certificate is not marked as TRUSTED in the external security manager's database

System Action: The connection is rejected with an HTTP 403 (forbidden) response.

User Response: Ensure that the client has a valid certificate. Install the certificate in the external security manager with the TRUSTED attribute and mapping to a valid userid. If the security manager is the IBM OS/390 Security Server (RACF), this can be done with the RACDCERT command, or by using a TCPIPSERVICE defined with AUTHENTICATE(AUTOREGISTER).

Destination: CWBO
Module: DFHWBXM
XMEOUT Parameters: date, time, applid, tranid, hostaddr, clientaddr, tcpipservice

DFHWB0500 date time applid tranid CICS Web Interface enable processing is complete. Host IP address: hostaddr.

Explanation: The enable process has completed successfully.

System Action: Processing continues.

User Response: None.

Destination: Console and Transient Data Queue CWBO
Module: DFHWBM
XMEOUT Parameters: date, time, applid, tranid, hostaddr

DFHWB0551 date time applid tranid The CICS Web Interface server controller detected an abend ACN1 processing a request from client clientaddr. Host IP address: hostaddr.

Explanation: The HTTP caller detected an error after invoking program DFHCCNV to perform data conversion on incoming data.

System Action: If there is no DFHCNV table defined, the CICS Web Interface cannot perform data conversion on incoming data. An exception disable of the CICS Web Interface is initiated. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that there is a valid DFHCNV table link-edited into one of the libraries in the DFHRPL library concatenation.

Destination: CWBO
Module: DFHWBM
XMEOUT Parameters: date, time, applid, tranid, hostaddr


Explanation: As part of its normal processing of a request, CICS Web attach processing invokes the user replaceable analyzer to tailor the required actions. This program returns RESPONSE and REASON values. If a CICS supplied sample analyzer is being used, possible RESPONSE code values are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>OK</td>
</tr>
<tr>
<td>4</td>
<td>Exception</td>
</tr>
<tr>
<td>8</td>
<td>Invalid</td>
</tr>
<tr>
<td>12</td>
<td>Disaster</td>
</tr>
</tbody>
</table>

Possible REASON code values are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>URL of incoming HTTP request is too short</td>
</tr>
<tr>
<td>2</td>
<td>No &quot;/&quot; character in the URI of the HTTP request</td>
</tr>
<tr>
<td>3</td>
<td>There is more data to be received for this request</td>
</tr>
</tbody>
</table>
DFHWB0725  date time applid tranid CICS Web attach processing
detected an error linking to the analyzer user replaceable module programname. Host IP address:
hostaddr, Client IP address: clientaddr, {1= , 2= TCPIPSERVICE: }, tcpipservice

Explanation: An error linking to the Analyzer user replaceable module forced CICS Web attach processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN.

System Action: An error response is sent to the client and the request is terminated. The tcpipservice remains open but unusable.

User Response: Ensure that the program specified has been correctly installed and defined to CICS. If the user replaceable module (URM) has been set dynamically using CEMT or the SPI command, then ensure that the module is defined to CICS and enabled, or available in the library if autoinstall is active.

Destination: CWBO
Module: DFHWB0725
XMEOUT Parameters: date, time, applid, tranid, programname, hostaddr, clientaddr, {1=, 2= TCPIPSERVICE: }, tcpipservice

DFHWB0726  date time applid tranid CICS Web attach processing
cannot link to the analyzer user replaceable program. No analyzer specified. Host IP address:
hostaddr, Client IP address: clientaddr, {1=, 2= TCPIPSERVICE: }, tcpipservice

Explanation: CICS Web attach processing cannot invoke the analyzer user replaceable module because none was specified for the TCPIPSERVICE associated with the request being processed.

System Action: An error response is sent to the client and the request is terminated. Message DFHE0116 is normally produced containing the symptom string for this problem.

User Response: Use CEMT SET TCPIPSERVICE to specify an analyzer name on the URM parameter. CEDA can be used to alter the stored definitions. The URM name for CICS Web TCPIPSERVICEs (those TCPIPSERVICEs which have CWXN specified as the transaction ID) MUST specify a valid analyzer program name for the URM keyword.

Destination: CWBO
Module: DFHWB0726
XMEOUT Parameters: date, time, applid, tranid, hostaddr, clientaddr, {1=, 2= TCPIPSERVICE: }, tcpipservice

DFHWB0727  date time applid tranid CICS Web interface attach
processing could not attach the requested alias transaction tranid. Userid: userid. Host IP address:
hostaddr, Client IP address: clientaddr, {1=, 2= TCPIPSERVICE: }, tcpipservice

Explanation: Web attach processing could not attach a new task with the requested alias transaction ID tranid. An error response is sent to the client and processing of the request is terminated with abend code AWB2. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN.

Destination: CWBO
Module: DFHWB0727
XMEOUT Parameters: date, time, applid, tranid, hostaddr, clientaddr, {1=, 2= TCPIPSERVICE: }, tcpipservice
XMEOUT Parameters:

<table>
<thead>
<tr>
<th>Module:</th>
<th>DFHWBXN</th>
</tr>
</thead>
</table>

DFHWB0728  
**date time applid tranid**  
CICS Web attach processing  
detected a storage error within the Web receive  
module DFHWBSR. Host IP address: *hostaddr*  
Client IP address: *clientaddr*, {1= , 2= TCPIPSERVICE: } *tcpipservice*  

**Explanation:** A storage error has occurred in the module DFHWBSR. Host IP address is not available when this error occurred. The error may have been caused by a user terminating their Web Browser before CICS has been able to process the request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN."

**System Action:** An error response is sent to the client and the request is terminated.

**User Response:** Check for any associated sockets domain error messages, which may give more details on the error which has occurred. The error may have been caused by a user terminating their Web Browser before CICS has been able to process the request. If the problem persists, there may be a problem with the TCP/IP network. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CWBO  
**Module:** DFHWBXN  
**XMEOUT Parameters:** date, time, applid, tranid, hostaddr, clientaddr, {1= , 2= TCPIPSERVICE: } *tcpipservice*

DFHWB0728  
**date time applid tranid**  
CICS Web attach processing  
detected an HTTP header longer than 32767 bytes.  
Client IP address: *hostaddr*  
Host IP address: *hostaddr*. Host IP address: *hostaddr*  

**Explanation:** An HTTP request was being received by DFHWBSR when it detected that the header data of the request exceeded the currently supported maximum of 32767 bytes. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN."

**System Action:** Trace entry 0418 is issued containing the web request block. The length of the HTTP header data can be inferred from the user_data_offset field.

**User Response:** Examine the input HTTP request and reduce the length of the header information to be within the allowed limit. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CWBO  
**Module:** DFHWBXN  
**XMEOUT Parameters:** date, time, applid, tranid, hostaddr, clientaddr, {1= , 2= TCPIPSERVICE: } *tcpipservice*

DFHWB0728  
**date time applid tranid**  
CICS Web attach processing  
encountered a sockets I/O error while receiving a client request. Host IP address: *hostaddr*  
Client IP address: *clientaddr*, {1= , 2= TCPIPSERVICE: } *tcpipservice*  

**Explanation:** A sockets I/O error has forced CICS Web processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN."

**System Action:** The Web error program DFHWBEP is driven, but no error response can be sent to the client. The request is terminated.

**User Response:** Check for any associated sockets domain error messages, which may give more details on the error which has occurred. The error may have been caused by a user terminating their Web Browser before CICS has been able to process the request. If the problem persists, there may be a problem with the TCP/IP network. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CWBO  
**Module:** DFHWBXN  
**XMEOUT Parameters:** date, time, applid, tranid, hostaddr, clientaddr, {1= , 2= TCPIPSERVICE: } *tcpipservice*

DFHWB1007  
**applid**  
Initializing CICS Web environment.  

**Explanation:** Module DFHWBIP has been invoked to initialize the CICS Web 3270 environment.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** Console  
**Module:** DFHWBIP  
**XMEOUT Parameter:** applid
**DFHWB1008**

`applid CICS Web environment initialization is complete.`

**Explanation:** The CICS Web 3270 environment has been initialized, and it is now ready to process Web-related work.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHWBIP

**XMEOUT Parameter:** `applid`

---

**DFHWB1009**

`applid CICS Web environment initialization failed.`

**Reason Code:** `X'rc'`

**Explanation:** The CICS Web 3270 environment initialization failed with reason code `rc`.

**System Action:** CICS initialization continues. Subsequent calls to the components of the CICS Web environment may fail.

**User Response:** Use the reason code `rc` to determine why initialization failed. The possible reasons are:

1. Storage for the Web anchor block could not be obtained.
2. Load for module DFHWBST failed.
3. Load for module DFHWBTC failed.
4. Storage for the State Manager anchor block could not be obtained.
5. The creation of the State Token Directory failed.
6. The subpool required for state management could not be added.
7. The subpool required for HTTP buffers could not be added.
8. The addition of the WBST lock failed.

Reason codes 1 to 9 originate in DFHWBIP. Reason code A originates from DFHSU1.

**Destination:** Console

**Modules:** DFHWBIP, DFHSU1

**XMEOUT Parameters:** `applid, X'rc'`

---

**DFHWB1021**

`date time applid CICS Web State Manager could not find state data for state token stoken in order to perform the {initialize partnership | make partnership | break partnership | trigger partner | wait for partner | query partner | terminate partnership} request for task number taskid, CICS unit of work id X'cuowid';` [TCPIPSERVICE: `tcpipservice`

**Explanation:** The CICS Web State Manager could not find the state data for the state token `stoken` because the supplied state token `stoken` does not exist. The running task is task number `taskid` and the associated CICS unit of work id is `cuowid`.

**System Action:** The Web State Manager cannot therefore perform the requested partnership function for the running task. An exception trace entry is made in the trace table.

**User Response:** Ensure that the supplied state token `stoken` is correct. On a busy CICS region, the most likely cause of this error is that the state data has been discarded by the Web garbage collection process before the Web State Manager could access it for the running task. Check that the system initialization `WEBDELAY` parameters are appropriate values. See the CICS System Definition Guide for guidance on setting the values of the Web garbage collection interval and the Web terminal timeout interval.

**Destination:** CWBO

**Module:** DFHWBIST

**XMEOUT Parameters:** `date, time, applid, stoken, {1=destroy, 2=retrieve, 3=store}, {1= , 2= TCPIPSERVICE: }, tcpipservice`

---

**DFHWB1100**

`date time applid CICS Web Interface received data from the user application that is longer than expected.`

**Explanation:** The environment variables program has received data from a user application. However, the data received was longer than expected.

**System Action:** Exception trace point 4623 is written. The environment variables program abnormally terminates with abend code AWB7.

**User Response:** Examine the data sent to CICS from the application program.

**Destination:** Console Routecodes 2 and 12 and Transient Data Queue CWBO

**Module:** DFHWBENV

**XMEOUT Parameters:** `date, time, applid`

# APAR PQ21365

# New message DFHWB1200
Chapter 1. DFH messages

DFHWB1200
# DFHWB1200  date time applid tranid The CICS Web Interface
# analyzer program set parameter
# Wbra_user_data_length to more than the maximum. Program name: progrname, RESPONSE:
# response, reason, Host IP address: hostaddr, Client IP address: clientaddr, Data offset:
# X'dataoffset', X'datenlength', Buffer length: X'bufferlength'.
# Explanation: As part of its normal processing of a request, Web attach processing invokes the replaceable analyzer to tailor the required actions. This program is passed the length of the user data part of the HTTP request in parameter Wbra_user_data_length, which it can modify. However, the modified value is greater than the maximum allowable value which represents the available space in the data buffer.
# System Action: An error response is sent to the client and processing of the request is terminated.
# User Response: Modify the analyzer program so that it does not set the parameter Wbra_user_data_length to be greater than the maximum. The sum of the data offset and the data length should not exceed the buffer length.
# Destination: CWBO
# Module: DFHWBFXN
# XMEOUT Parameters: date, time, applid, tranid, programe, response, reason, hostaddr, clientaddr, X'dataoffset', X'datenlength', X'bufferlength'.

DFHWB1525  date time applid tranid The CICS Web Interface connection manager received an unexpected response from CICS.
Explanation: The connection manager received an unexpected response to a CICS command. This is a logic error.
System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: You may need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.
Destination: CWBO and Terminal End User
Module: DFHWBC01
XMEOUT Parameters: date, time, applid, tranid

DFHWB1551  date time applid The CICS Web Interface transaction is no longer used to manage CICS Web resources.
Explanation: An attempt has been made to run the CICS-supplied transaction CWBC. This transaction is no longer used to manage CICS Web resources.
System Action: None. Processing continues.
Destination: CWBO and Terminal End User
Module: DFHWBC01

DFHWB7001 HTTPD_extract for envvar failed. Processing of this request terminated rc=retcode.
Explanation: The CICS GWAPI program received an error response retcode when it executed the HTTPD_extract function to retrieve the specified environment variable envvar.
System Action: The CICS GWAPI program terminates and returns an HTTP server error response (code 500) to the Web browser.
User Response: Investigate whether the ICSS/390 server has been correctly configured to use the CICS GWAPI DLL. Refer to the CICS External Interfaces Guide for further information.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHWBAPI

DFHWB7002 HTTPD_read for HTTP user data failed. Processing of this request terminated rc=retcode.
Explanation: The CICS GWAPI program received an error response retcode when it executed the HTTPD_read function to retrieve the user data sent with an HTTP request.
System Action: The CICS GWAPI program terminates and returns an HTTP server error response (code 500) to the Web browser.
User Response: Investigate whether the ICSS/390 server has been correctly configured to use the CICS GWAPI DLL. Refer to the CICS External Interfaces Guide for further information.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHWBAPI

DFHWB7003 Invalid URL passed to DFHWBAPI: url. Processing of this request terminated rc=retcode.
Explanation: The CICS GWAPI program has attempted to analyze the path name section of the Uniform Resource Locator url that it received from the Web browser, but has determined that its syntax is not in the standard format expected to decide which CICS region, transaction, and program should process the request.
The reason for the failure is given by one of the following values for the return code retcode.
1 The path name contains fewer than eight characters.
2 The path name does not begin with a leading slash (‘/’) character.
3 The CICS applid is invalid.
4 The converter name is invalid.
5 The transaction name is invalid.
6 The server program name is invalid.
System Action: The CICS GWAPI program terminates and returns an HTTP server error response (code 500) to the Web browser.
User Response: Investigate whether the ICSS/390 server has been correctly configured to use the CICS GWAPI DLL. Refer to the CICS External Interfaces Guide for further information.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
**DFHWB7006 Link to program** /*program_name*/ at applid /*applid*/ failed for URL /*url*/. Processing of this request terminated resp2= /*resp2*/.

**Explanation:** The CICS GWAPI program has attempted to use the CICS External Call Interface (EXCI) to link to the Business Logic Interface program /*program_name*/ in the CICS region with applid /*applid*/. However, the link was unsuccessful. The EIBRESP and EIBRESP2 values from the EXEC CICS LINK command are resp and resp2.

**System Action:** The CICS GWAPI program terminates and returns an HTTP error response to the Web browser. If resp and resp2 indicate that there is a temporary problem establishing an Inter-Region Communication connection, the HTTP error response is 503 (system not available), otherwise it is 500 (server error).

**User Response:** Investigate whether the target CICS region has been correctly configured to use the CICS GWAPI DLL. Refer to the CICS External Interfaces Guide for further information.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHWBAPI

---

**DFHWB7007 Error detected by program** /*program_name*/.

**Processing of this request terminated** retcode= /*retcode*/.

**Explanation:** The CICS GWAPI program has attempted to use the CICS External Call Interface (EXCI) to link to the Business Logic Interface program /*program_name*/ in a CICS region, but an error response was returned by the program. The return code retcode is the Business Logic Interface response that was returned in /*wbb1_response*/.

**System Action:** The CICS GWAPI program terminates and returns retcode as the HTTP server response to the Web browser.

**User Response:** Investigate the reason for the error response.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHWBAPI

---

**DFHWB7008 HTTPD_set for** /*variable*/ failed for URL /*url*/.

**Processing of this request terminated** retcode= /*retcode*/.

**Explanation:** The CICS GWAPI program received an error response retcode when it executed the HTTPD_set function to set a value for the specified variable /*variable*/ while processing URL /*url*/.

**System Action:** The CICS GWAPI program terminates and returns an HTTP server error response (code 500) to the Web browser.

**User Response:** Investigate whether the ICSS/390 server has been correctly configured to use the CICS GWAPI DLL. Refer to the CICS External Interfaces Guide for further information.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHWBAPI

---

**DFHWB7009 HTTPD_write failed for URL** /*url*/.

**Processing of this request terminated** retcode= /*retcode*/.

**Explanation:** The CICS GWAPI program received an error response retcode when it executed the HTTPD_write function to write the user data to be sent with an HTTP response for URL /*url*/.

**System Action:** The CICS GWAPI program terminates and returns an HTTP server error response (code 500) to the Web browser.

**User Response:** Investigate whether the ICSS/390 server has been correctly configured to use the CICS GWAPI DLL. Refer to the CICS External Interfaces Guide for further information.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHWBAPI

---

**DFHXAxxxx messages**

**DFHXA6521I** applid CICS shutdown initiated by CEBT event

**Explanation:** This is an informational message issued from the CICS TCB.

**System Action:** CICS terminates normally.

**User Response:** None.

**Destination:** Console

**Module:** DFHXRCP

**XMEOUT Parameter:** applid

---

**DFHXA6526I** applid MESSAGE RECEIVED FOR UNSUPPORTED QUEUE 'X'/*queue*/'.

**Explanation:** This message is issued from the CAVM TCB. A tracking message has been received for a queue with hexadecimal name 'X'/*queue*/'. However this queue is not recognized by CICS.

**System Action:** CICS processing continues, but tracking messages for queue 'X'/*queue*/ are ignored.

**User Response:** Check that the active CICS system and the alternate CICS system are at the same functional level with respect to XRF.
DFHXA6528I  applid Unable to link to program proiname

Explanation:  This message is issued from the CICS TCB. CICS is unable to link to program proiname.

System Action:  CICS terminates abnormally with a system dump and abend code 0210.

User Response:  Examine the dump to determine why CICS was unable to link to program proiname.

Ensure that the named program is not missing from the data sets concatenated in the DFHRPL DD statement. If proiname is missing, obtain a copy of the program and include it in the library. In addition, ensure that enough storage is available for the dynamic storage areas.

Destination:  Console
Module:  DFHXRE

XMEOUT Parameters:  applid, proiname

DFHXA6530  applid START=STANDBY specified. CICS start-up is terminated because XRF=NO is specified

Explanation:  START=STANDBY and XRF=NO cannot be specified together.

System Action:  CICS terminates abnormally with a dump.

User Response:  Correct the conflicting values of the operands START and XRF.

Destination:  Console
Module:  DFHSIC1

XMEOUT Parameter:  applid

DFHXA6540I  XRF HAS FAILED. ERROR NUMBER nn ON XRF MESSAGE DATA SET IN CONTROL INTERVAL WITH RBA HEX’xx’.

Explanation:  The XRF message manager has encountered a problem with the contents of the given control interval in the message data set. The message includes an error number nn which can take one of the following values:

- 01  The Ci does not contain an XRF message manager control record.
- 02  The XRF message control record contains a cycle number less than that of the current read cycle.
- 03  The XRF message manager did not find a message record boundary where it expected one.
- 04  There is an XRF message sequence number error.
- 05  The CIDF is invalid (for example, the free area length is negative).
- 06  The length in the RDF is less than the length of a message record header, or is inconsistent with the data length in the message record header.
- 07  The end of the record lies outside the data area defined by the data length field of the CIDF.

System Action:  Surveillance by the alternate system ceases.

User Response:  Check that the active and alternate systems are using the same pair of data sets for XRF surveillance. If they are, this is almost certainly a CICS error affecting either the alternate system, the active system, or both.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note:  This message cannot be changed with the message editing utility.

Destination:  Console
Module:  DFHWMDR

DFHXA6541I  XRF HAS FAILED. THE XRF MESSAGE READER IN THE ALTERNATE SYSTEM HAS FALLEN TOO FAR BEHIND.

Explanation:  The alternate system has been unable to keep up with the messages generated by the active CICS system. Its read position in the wrap-round message data set has been ‘lapped’ by the active system.

System Action:  Surveillance by the alternate system ceases.

User Response:  Try to determine and correct the reason for the delay to the alternate system. It may be that the message data set is too small to allow adequate buffering, or the message data set has been reserved by the active CEC – not necessarily by the active CICS.

Note:  This message cannot be changed with the message editing utility.

Destination:  Console
Module:  DFHWMDR

DFHXA6540I  applid TERMINATION COMMAND FAILED: command.

Explanation:  The command issued by the alternate CICS during takeover to terminate the active CICS failed. MVS rejected the system operator command command issued under program control as being invalid.

System Action:  Message DFHXA6581 or DFHXA6582 is also displayed. The alternate CICS continues with its processing to detect termination of the active CICS job.

User Response:  Ensure that the active CICS job terminates. See messages DFHXA6581 and DFHXA6582. For problem determination, hard copy of the console log may be required.

Note:  This message cannot be changed with the message editing utility.

Destination:  Console
Module:  DFHWTI

DFHXA6561D  applid WHEN jesno jobname ENDS REPLY ‘JOB’ OR WHEN CEC sid HAS FAILED REPLY ‘CEC’.

Explanation:  During a takeover attempt, the issuing CICS system was unable to determine whether job jobname, running on a different CEC, has terminated. This is for one of the following reasons:

- CICS was unable to issue a system operator command under program control to cancel the named job. In this case, message DFHXA6560, DFHXA6569 or DFHXA6570 has been produced.
DFHXA6563I

- CICS has either successfully issued a cancel command, or job
  jobname is a failing DBCTL subsystem, but the job still
  appears to be running after the time period specified by the
  initialization parameter JESDI.

If jobname is the active CICS. Takeover cannot continue until
jobname has ended. If jobname is a DBCTL subsystem, an
alternate DBCTL cannot be started until jobname has ended.

**System Action:** The system waits for a reply. In the meanwhile,
the issuing CICS system continues processing to detect termination
of the job.

If termination is detected while the reply is still outstanding, this
message is deleted and message DFHXA6564 is displayed. In this
case, a reply is no longer required.

If the reply is ‘JOB’, then processing continues as if CICS had
detected the termination itself.

This also happens if the reply is ‘CEC’, but in addition an internal
record is created indicating that the CEC is inoperative at this time.
Other alternate CICS which have issued this message for jobs
executing on the CEC specified, and which are still waiting for a
reply, will detect the internal record of the failed CEC. Having done
so they delete their outstanding replies and issue message
DFHXA6563.

**User Response:** The operator should either:-

- Ensure that job jobname with JES number jesno terminates,
  and then reply ‘JOB’, or

- Ensure that the CEC with MVS system identifier sid is
  inoperative at this time, for example by selecting SYSTEM
  RESET on that CEC, and then reply ‘CEC’.

No action is necessary if at any time CICS deletes this message,
as described above.

**Note:** This message cannot be changed with the message editing
utility.

**Destination:** Console

**Module:** DFHWTI

DFHXA6566I applid modname NOT LINK-EDITED REENTERABLE.

**Explanation:** Module modname, the CLT or RST currently in use,
was found not to have been link-edited with the reenterable module
attribute.

The initialization option CLT=xx or RST=xx specifies the suffix of
the CLT or RST currently in use by this alternate CICS.

**System Action:** Further messages are issued which describe the
action taken by CICS.

**User Response:** The appropriate response is indicated by
subsequent messages.

**Note:** This message cannot be changed with the message editing
utility.

**Destination:** Console

**Module:** DFHWTI

DFHXA6567I applid APPLID applid2 NOT FOUND in modname.

**Explanation:** Module modname, the CLT or RST currently in use
by this alternate CICS, was found not to contain the APPLID
applid2.

**System Action:** Further messages are issued which describe the
action taken by CICS.

**User Response:** The appropriate response is indicated by
subsequent messages.

**Note:** This message cannot be changed with the message editing
utility.

**Destination:** Console

**Module:** DFHWTI

DFHXA6568I applid JOBNAME jobname NOT FOUND in
modname.

**Explanation:** Module modname is either a CLT or an RST.

If the module is a CLT, it was found not to contain the job name
jobname associated with the APPLID of this alternate CICS.

If the module is an RST, it was found not to contain the job name
jobname associated with the DBCTL subsystem identified in the
message.

jobname is the job name which the alternate CICS would have
used to cancel the active CICS job or DBCTL job during a takeover

**System Action:** Further messages are issued which describe the
action taken by CICS.

**User Response:** The appropriate response is indicated by
subsequent messages.

**Note:** This message cannot be changed with the message editing
utility.

**Destination:** Console

**Module:** DFHWTI

DFHXA6569I applid TERMINATION OF jesno jobname DETECTED.

**Explanation:** During takeover, the alternate CICS has detected
that the active CICS job with specified job name and JES job
number has ended.

**System Action:** The alternate CICS continues with its takeover
processing.

**User Response:** None.

**Note:** This message cannot be changed with the message editing
utility.
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DFHXA6569I applid MVS SYSTEM IDENTIFIER sid NOT FOUND IN DFHCLT.xx.

Explanation: The CLT currently in use was found not to contain the specified MVS system identifier sid, which identifies the CEC on which the active CICS was executing.

The initialization option CLT=xx specifies the suffix of the CLT currently in use by this alternate CICS.

System Action: Further messages are issued by the alternate CICS to describe the action taken.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6570I applid JES SUBSYSTEM NAME jesname NOT FOUND IN DFHCLT.xx FOR MVS SYSTEM sid.

Explanation: The CLT currently in use does not contain the JES subsystem name jesname associated with the MVS system sid of the CEC on which the active CICS was executing.

The initialization option CLT=xx specifies the suffix of the CLT currently in use by this alternate CICS.

System Action: Further messages are issued by the alternate CICS to describe the action taken.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6571I applid CICS IS NOT DEFINED AS AN MVS SUBSYSTEM.

Explanation: The alternate CICS attempted to access an internal record of CEC failures to determine whether the CEC on which the active CICS job was executing had failed. To access this information CICS has to be defined as an MVS subsystem. Because it is not, the attempt failed.

System Action: Processing continues.

User Response: None. For further information about defining CICS as an MVS subsystem, see the CICS Transaction Server for OS/390 Installation Guide.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6572I applid UNABLE TO LOAD modname.

Explanation: The module modname, defined by the CLT or RST for use by the alternate CICS that issued this message, cannot be loaded.

System Action: Further messages are issued by the alternate CICS to describe the action taken.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6573I applid LOAD MODULE modname IS NOT VALID.

Explanation: Module modname, the CLT or RST defined for use by this CICS system, is not valid.

System Action: Further messages are issued by the alternate CICS to describe the action taken.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6574I applid ERROR FOUND WITH DFHCLT.xx.

Explanation: The alternate CICS that issued this message is unable to load a CLT, or has performed a check on the CLT contents and has found an error. If the specified CLT is used during a future takeover, the takeover might not be successful. A new or corrected CLT can be made available and loaded at takeover.

System Action: Processing continues.

User Response: Verify that the alternate CICS job is authorized to perform a takeover of the active CICS. Take appropriate action if not.

Locate the previous message issued by this alternate CICS, which provides details of the CLT error.

Perform the appropriate source edit, assembly and link-edit tasks necessary to make a correct CLT available for this alternate CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6575I applid SUBSYSTEM NAME subsysid NOT FOUND IN rstname FOR THIS APPLID.

Explanation: This is an informational message indicating that RST rstname, which was selected via the SIT, does not include an entry for DBCTL subsystem subsysid in any RSE containing the specific APPLID applid of this CICS.

System Action: No action results directly when this message is issued. Other messages may be issued following this verification failure.

User Response: Check the RST suffix specified in the SIT, the RST, and the DBCTL subsystem to which CICS is connected.

Check any other messages that may also have been issued.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI
DFHXA6576I  applid CLT PROCESSING NOT POSSIBLE OWING TO ERROR IN DFHCLTxx.

Explanation: During takeover, the alternate CICS that issued this message performed a check on the CLT contents and found an error.

A previous message specifies the error.

System Action: Commands in the CLT are not issued by this alternate CICS. Other takeover processing continues.

User Response: Verify that the alternate CICS job is authorized to perform a takeover of the active CICS and take appropriate action if it is not.

If the takeover is to be successful, the system operator should monitor and coordinate execution of the active CICS and alternate CICS jobs in the XRF complex.

Perform the source edit, assembly and link-edit tasks necessary to correct the CLT.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6577I  applid NOT AUTHORIZED TO CANCEL  jesno jobname ON CEC sid.

Explanation: The issuing alternate CICS is attempting a takeover of the specified active CICS job. It has been unable to find the data that is needed to fully authorize takeover in the CLT or RST. This may be because the alternate cannot load the table, or because job jobname cannot be found:

- In the CLT, for an active CICS, or
- In the RST, for a DBCTL subsystem, or
- Because the CLT or RST is invalid.

Further messages specify the error with the CLT or RST, or define why the CLT or RST is invalid.

System Action: The issuing CICS system cannot issue a CANCEL, but attempts to alert the active CICS system to the takeover request via the XRF control data set. In most cases this causes the active system to initiate termination. The alternate continues processing to detect termination of the job.

When termination is detected, message DFHXA6564 is displayed.

User Response: Verify that the alternate CICS job is authorized to perform a takeover of the active CICS. Take appropriate action if the alternate CICS job is not authorized.

Your CLT and/or RST may require maintenance action.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6578I  applid NOT AUTHORIZED TO CANCEL  jesno jobname.

Explanation: The issuing alternate CICS is attempting a cancel of the specified active CICS job. It has been unable to find the data that is needed to fully authorize the cancellation in the CLT or RST. This may be because the alternate cannot load the table, or because job jobname cannot be found:

- In the CLT, for an active CICS, or
- In the RST, for a DBCTL subsystem, or

- Because the CLT or RST is invalid.

Further messages specify the error with the CLT or RST, or define why the CLT or RST is invalid.

System Action: The issuing CICS system cannot issue a CANCEL, but attempts to alert the active CICS system to the takeover request via the XRF control data set. In most cases this causes the active system to initiate termination. The alternate continues processing to detect termination of the job.

When termination is detected, message DFHXA6564 is displayed.

User Response: Verify that the alternate CICS job is authorized to perform a takeover of the active CICS. Take appropriate action if the alternate CICS job is not authorized.

Your CLT and/or RST may require maintenance action.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6580I  PROGRAM LOGIC ERROR DETECTED.

Explanation: An internal error has been detected that prevents the CICS XRF CAVM supervisor state processing from continuing.

Depending on the CAVM supervisor state service being processed at the time, CICS may or may not abnormally terminate.

The CAVM TCB for processing the service has abnormally terminated.

Job output should include a dump of MVS LSQA associated with the SYSABEND DD statement.

Diagnosics: Register 2 is the base register for DFHWTI global storage. This storage begins with the eye catcher WTISTOR. The format of this storage is defined in DSECT WSTORAGE in source member DFHWTI.

DFHWTI request arguments copied to global storage begin at field WGLODATA.

Source member DFHWTADS defines the format of global storage arguments.

Field WGLOLOCA contains the address of the first register save area for a routine in DFHWTI.

In the SVRB for the CICS SVC call that invoked DFHWTI, the first fullword in the FEUARM field contains the address of DFHWTI global storage.

Register 4 is the base register for local storage for each routine in DFHWTI. Its format is defined in a DSECT whose name is of the form WLOCxxx where xxx is the short name of the routine (see below for a list of routine names).

These DSECTs are in source member DFHWTI. The first halfword is the internal return code for the routine. The values used for internal return codes are the same as the DFHWTI request reason codes as defined in source member DFHWTADS field name WTARRC.

In addition, internal return codes of the format X’40nn’ are used. X’40F0’ is ‘Internal Logic Error’ variable name, RCLOGERR.

Other internal return codes of this format are defined in the local storage DSECTs.

The DFHWTI request type for the CAVM supervisor state service is copied into local storage associated with the DFHWTI initialization and termination routine, field name WWTIREQ, DSECT WLOCWTI in source member DFHWTI.
Register 6 is the base register for each routine in DFHWTI. When set, it points at a location immediately following an eye catcher of the routine's long name (see list of routine names).

Register 13 is the base register for a register save area local to a routine in DFHWTI. These save areas are standard MVS format except the first fullword contains the routine's short name (see list of names). They are chained in the standard way with backward and forward pointers set on entry to a routine and zeroed on return.

Register save areas physically precede the storage local to a routine.

If a routine has to access the CLT, its address is in local storage for the routine. The field name for the CLT address is of the form WxxxxCLTA, where xxx is the short name of the routine.

System Action: In general, the CAVM request issued by this CICS job will fail. For the effect this has on processing by this CICS job, refer to messages issued after this one.

CAVM XRF supervisor state processing issues an MVS abend with system abend code 0214 and an MVS SYSABEND dump is produced.

User Response: Keep the job output and console log for problem determination.

Using the SYSABEND dump of the MVS LSQA, and if available, the MVS symptom dump output, find the DFHWTI routine that detected the error from the value of register 6 or register save area chain fields.

Find the internal return code currently set in local storage for the routine.

Using the reason code value, remaining content of local storage and global storage, try to determine the cause of the action by the routine.

An assembly listing of the CLT assembled with the PRINT NOGEN option may be required.

Routine names

Long names are used for:
- The routine entry point name, and
- The routine entry eye catcher.

Short names are used for:
- The routine register save area eye catcher,
- Characters 2 to 4 of routine local storage field names,
- Characters 5 to 7 of routine local storage DSECT names, and
- Characters 1 to 3 of routine labels.

Routines are as follows:

<table>
<thead>
<tr>
<th>Long Name</th>
<th>Short Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>WTI</td>
<td>TIPENTRY</td>
</tr>
<tr>
<td>OAT</td>
<td>OATERM</td>
</tr>
<tr>
<td>OAW</td>
<td>OAWAIT</td>
</tr>
<tr>
<td>VCL</td>
<td>VERCLT</td>
</tr>
<tr>
<td>CLE</td>
<td>CLPENTRY</td>
</tr>
<tr>
<td>CLP</td>
<td>CLPROC</td>
</tr>
<tr>
<td>OCL</td>
<td>OPCLT</td>
</tr>
<tr>
<td>CHT</td>
<td>CHECKT</td>
</tr>
<tr>
<td>OPC</td>
<td>OPCDATA</td>
</tr>
<tr>
<td>IJE</td>
<td>INQJES</td>
</tr>
<tr>
<td>TSS</td>
<td>TSSENTRY</td>
</tr>
</tbody>
</table>

Module: DFHWTI

System Action: Takeover is suspended until the issuing CICS system detects the termination of the named job. When termination is detected the message DFHXA6564 is displayed.

User Response: Ensure that the active CICS job terminates.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6581I applid UNABLE TO DETERMINE STATUS OF JOB <jobname>.

Explanation: The issuing CICS system was unable to determine whether job <jobname>, running on the same CEC, has terminated. This is for one of the following reasons:
1. CICS was unable to issue a system operator command under program control to cancel the named job. In this case, message DFHXA6560 has been produced.
2. CICS has successfully issued a cancel command, but the job still appears to be running after the time period specified by the initialization parameter JESDI.
3. Job <jobname> is a failing DBCTL subsystem, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

If <jobname> is the active CICS, takeover cannot continue until <jobname> has ended.

If <jobname> is a DBCTL subsystem, an alternate DBCTL cannot be started until <jobname> has ended.

User Response: Ensure that the active CICS job terminates.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

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• **Job jobname** is a failing DBCTL subsystem, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

  If **jobname** is the active CICS, takeover cannot continue until **jobname** has ended.

  If **jobname** is a DBCTL subsystem, an alternate DBCTL cannot be started until **jobname** has ended.

  **System Action:** Takeover is suspended until the issuing CICS system detects the termination of the named job.

  When termination is detected the message DFHXA6583 is displayed.

  **User Response:** Ensure that the active CICS job terminates.

  **Note:** This message cannot be changed with the message editing utility.

  **Destination:** Console

  **Module:** DFHWSSI

DFHXA6583I applid TERMINATION OF JOB jesno jobname ON MVS SYSTEM mvsname(sid) HAS BEEN DETECTED.

  **Explanation:** During takeover, the alternate CICS has detected that the active CICS job **jobname** with JES job number **jesno** running on MVS image **mvsname** has ended.

  **System Action:** The CICS alternate continues takeover processing.

  **User Response:** None.

  **Note:** This message cannot be changed with the message editing utility.

  **Destination:** Console

  **Module:** DFHWSSI

DFHXxxxx messages

DFHX6600I applid CAVM DATA SET initializiation failed.

  **Explanation:** The CICS job which displayed this message attempted to sign on to the CAVM but the signon request failed because the CAVM data sets could not be initialized properly. This is due to one of the following:

  • The data set formatting subtask had not completed its processing in 2 minutes. This might occur if reserves issued by jobs (not necessarily CICS) running in other CECs cause a CAVM data set's DASD volume or a VSAM catalogue to remain inaccessible for a protracted period.

  • SIGNON found that one of the CAVM data sets had already been formatted by a different CICS job but that the other was either empty or could not be opened because of conflict with another user of the data set. SIGNON waited for the other CICS job to finish the data set formatting, but 5 minutes later, this still had not been done. This might occur if a CICS job failed during data set formatting. A specific error reported in a previous message prevented successful completion of data set initialization.

  **System Action:** See following message issued by this CICS job.

  **User Response:** Correct the JCL or redefine the CAVM data sets if necessary and resubmit the CICS job. See the CICS System Definition Guide for information on CAVM data sets.

  **Note:** This message cannot be changed with the message editing utility.

  **Destination:** Console

  **Module:** DFHWSSI

DFHX6601I applid DD STATEMENT MISSING FOR CAVM DATA SET dsname.

  **Explanation:** The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

  **System Action:** See following message issued by this CICS job.

  **User Response:** See message DFHX6600.

  **Note:** This message cannot be changed with the message editing utility.

  **Destination:** Console

  **Module:** DFHWSSI

DFHX6602I applid CAVM DATA SET dsname MUST RESIDE ON DASD.

  **Explanation:** The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

  **System Action:** See following message issued by this CICS job.

  **User Response:** See message DFHX6600.

  **Note:** This message cannot be changed with the message editing utility.

  **Destination:** Console

  **Module:** DFHWSSI

DFHX6603I applid CAVM DATA SET dsname IS INVALID.

  **Explanation:** The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

  **System Action:** See following message issued by this CICS job.

  **User Response:** See message DFHX6600.

  **Note:** This message cannot be changed with the message editing utility.

  **Destination:** Console

  **Module:** DFHWSSI

DFHX6604I applid CAVM DATA SET dsname MUST BE A VSAM ESDS.

  **Explanation:** The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

  **System Action:** See following message issued by this CICS job.

  **User Response:** See message DFHX6600.

  **Note:** This message cannot be changed with the message editing utility.

  **Destination:** Console

  **Module:** DFHWSSI
DFHXC6605I applid CI SIZE OF PAIRED CAVM DATA SETS MUST BE EQUAL.

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3

DFHXC6606I applid CI SIZE OF CAVM DATA SET dsname MUST BE AT LEAST 4K.

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3

DFHXC6607I applid SIGNON IS WAITING TO RESERVE OR ACCESS CAVM DATA SET dsname

Explanation: The CICS job which displayed this message issued a sign on to the CAVM. The CAVM is attempting to reserve or access the CAVM data set indicated in the message text, but for some considerable time, either the required resource has remained unavailable or an outstanding I/O request has not completed. The reason for issuing this particular message cannot be failure of a conditional reserve request unless new empty CAVM data sets are being used for the first time. The reserve attempt should not fail anyway unless another CICS job using the same CAVM data set and executing a sign on, sign-off or takeover request has been held up, possibly by I/O delays, after issuing a successful reserve. I/O delay might be caused by reserved issues by jobs (not necessarily CICS) running in other CECs that have made the CAVM data set’s DASD volume temporarily inaccessible.

System Action: After a short delay, the CICS job that displayed this message either reissues the conditional reserve macro or checks for completion of the outstanding I/O. If the required resource is now available or the I/O request has completed, normal processing continues. Otherwise, this message is reissued.

User Response: None, unless the condition persists. If so, another CEC might have failed after reserving the DASD volume containing a CAVM data set. In this case, follow your installation’s operations procedure for removing an outstanding reserve for a shared DASD. (For example, issue system reset on the failed CEC.)

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3

DFHXC6608I applid I/O ERROR ACCESSING CAVM DATA SET dsname DURING SIGNON.

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to access the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3

DFHXC6609I applid CAVM DATA SET dsname IS OF THE WRONG TYPE OR ITS FORMAT IS INCOMPATIBLE WITH THIS CODE LEVEL.

Explanation: The CICS job that displayed this message issued a SIGNON to the CAVM. However, the CAVM found that the information in the data set’s control record either did not agree with its intended use or had been placed there by an incompatible level of CAVM code. This will occur if:

- The data set with ddname DFHXRCCTL is not empty and has already been used for something other than a CAVM control data set or by an incompatible level of CAVM code.
- The data set with ddname DFHXRMSG is not empty and has already been used for something other than a CAVM message data set or by an incompatible level of CAVM code.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3

DFHXC6610I applid CAVM DATA SET dsname DOES NOT BELONG TO THE GENERIC APPLID SPECIFIED AT SIGNON.

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. However, the CAVM found that the generic APPLID specified in the sign on request did not match that saved in the CAVM data set’s control record when the data set was first formatted.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3
DFHXC6611I applid CAVM DATA SETS DO NOT FORM A VALID PAIR.

Explanation: The CICS job that displayed this message issued a SIGNON to the CAVM. However, the CAVM found that the time stamps that were placed in the control records of the two data sets when they were first formatted do not match. This will occur unless the two CAVM data sets were used for the first time as a pair by a single CICS job.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3

DFHXC6612I applid MULTIPLE VOLUMES ARE NOT SUPPORTED FOR CAVM DATA SET dsname

Explanation: The CICS job that displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to OPEN the CAVM data sets but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3

DFHXC6613I applid MULTIPLE UNITS ARE NOT SUPPORTED FOR CAVM DATA SET dsname

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to format the CAVM data sets but the ddnames DFHXRMSG and DFHXRCTL refer to the same data set.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3

DFHXC6614I applid CONCATENATION IS NOT SUPPORTED FOR CAVM DATA SET dsname

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to format the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3

DFHXC6615I applid ALLOCATION CHANGE DURING SIGNON IS NOT SUPPORTED FOR CAVM DATA SET dsname

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to OPEN the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3

DFHXC6616I applid CAVM CONTROL AND MESSAGE DATA SETS MUST BE DISTINCT.

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to format the CAVM data sets, but the ddnames DFHXRMSG and DFHXRCTL refer to the same data set.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3

DFHXC6617I applid OBTAIN ERROR WHILE FORMATTING CAVM DATA SET dsname

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to gain exclusive access to a CAVM data set to format it. The CAVM issued a reserve macro specifying the DASD device allocated for the data set and then issued an OBTAIN macro for the volume’s Format-4 DSCB to cause a hardware reserve command to be executed if necessary. Possible causes of the OBTAIN failure are:

- Specified volume not mounted
- I/O error
- VTOC is invalid.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN3

DFHXC6618I applid SPACE ALLOCATED TO CAVM DATA SET dsname IS INADEQUATE.

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to format the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.
Chapter 1. DFH messages

**DFHXC6620I** applid SIGNON IS WAITING TO RESERVE OR ACCESS A CAVM DATA SET.

**Explanation:** The CICS job that displayed this message issued a sign on to the CAVM. CAVM is attempting to reserve the CAVM control data set or access either the control or the message data set, but for some considerable time either the required resource has remained unavailable or an outstanding I/O request has not completed. The reserve attempt should not fail unless another CICS job using the same CAVM data set and executing a sign on, sign-off or takeover request has been held up, possibly by I/O delays, after issuing a successful reserve. I/O delay might be caused by reserves issued by jobs (not necessarily CICS) running in other CECs that have made the CAVM data set's DASD volume temporarily inaccessible.

**System Action:** See message DFHXC6607.

**User Response:** See message DFHXC6607.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHWSSN2

**DFHXC6621I** applid CAVM SIGNON CANNOT PROCEED BECAUSE JES IS EITHER NOT RUNNING OR NOT RESPONDING TO JOB STATUS ENQUIRIES.

**Explanation:** The CICS job that displayed this message issued a sign on to the CAVM. To process the request, CAVM needs to know the status of a job identified by an entry in the control data set, but cannot obtain this information for the reason given in the message text.

**System Action:** After a one minute delay, the CICS job that displayed this message reissues the failing job status enquiry. If the request is completed successfully this time, normal processing continues. Otherwise, this message is reissued.

**User Response:** If JES is not running, restart it if possible. Otherwise, if the condition persists, try to correct the problem that is preventing job status enquiries from being answered. In some cases, just stopping JES and restarting it again may achieve the desired effect. In a JES2 environment, a possible cause of this trouble is that another CEC has failed after reserving the DASD volume containing the check-point data set. See message DFHXC6607. In a JES3 environment, job status enquiries cannot be answered if the global processor has failed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHWSSN2

**DFHXC6622I** applid ERROR IN INQUIRE HEALTH EXIT DURING SIGNON.

**Explanation:** The CICS job that displayed this message issued a SIGNON to the CAVM, but the return code passed back to CAVM by the INQUIRE HEALTH exit (DFHXRC) when it was called during sign on processing was nonzero. This message always indicates an internal error in CAVM or CICS.

**System Action:** CAVM SIGNON continues but XRF function is probably degraded.

**User Response:** Inform your installation's system programmer.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHWSSN2

**DFHXC6623I** applid CAVM SIGNON IMPOSSIBLE AT PRESENT BECAUSE ANOTHER JOB HAS SIGNED ON WITH THE SAME SPECIFIC APPLID.

**Explanation:** The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

**System Action:** See following message issued by this CICS job.

**User Response:** None unless the wrong specific applid has been requested for the new job or the conflicting job was started by mistake. If so, resubmit the failing CICS job with appropriate corrections or after canceling the conflicting job.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHWSSN2

**DFHXC6624I** applid CAVM SIGNON IMPOSSIBLE BECAUSE SMF IS NOT ACTIVE FOR THE REQUESTING JOB.

**Explanation:** The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

**System Action:** See following message issued by this CICS job.

**User Response:** Re-IPL the MVS system, ensuring that the system parameters chosen include SMF.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHWSSN2

**DFHXC6625I** applid CAVM SIGNON IMPOSSIBLE BECAUSE CAVM DATA SETS ARE UNUSABLE.

**Explanation:** The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

**System Action:** See following message issued by this CICS job.

**User Response:** See message DFHXC6600

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console

**Module:** DFHWSSN2
DFHXC6626D applid POSSIBLE CAVM SIGNON CONFLICT. IS JOB jobname,jesno RUNNING ON SYSTEM sid?  
REPLY 'YES' OR 'NO'.

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM but the CAVM needs the operator's help in order to decide whether it is safe to accept the request. The CAVM has found that the control data set refers to a job satisfying all the following conditions:

- JES believes that this job is still executing.
- If JES is right, the current sign on request must be rejected because the presence of this job would conflict with it.
- This job is not running in the same CEC as the CICS job which is attempting to sign on.
- This job's surveillance signals appear to be absent.

Such a situation might have arisen as a result of a failure of the CEC in which the conflicting job was running and if so, the CAVM should not reject the sign on request unless it finds another reason for doing so. If the job which displayed this message is a CICS active, the conflicting job is another active or an alternate which has started a takeover. If the job which displayed this message is a CICS alternate, the conflicting job is another alternate. The jobname, JES job identifier and CEC SMF identifier of the conflicting job are specified in the message text.

System Action: The CICS job waits for a reply.

User Response: If the job which displayed this message is a CICS active job, reply NO only if:

1. You are certain that the job referred to in the message text is not executing. It might be necessary to perform a System Reset of the CEC where it was running to guarantee this.

   AND

2. The job which issued this message ought to continue with its CAVM sign on request and become the CICS active job.

Otherwise reply YES.

If the job which displayed this message is a CICS alternate job, reply NO only if:

1. You are certain that the job referred to in the message text is not executing. It might be necessary to perform a System Reset of the CEC where it was running to guarantee this.

   AND

2. The job which issued this message ought to continue with its CAVM sign on request and become the CICS alternate job.

Otherwise reply YES.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN2

DFHXC6628I applid CAVM SIGNON IMPOSSIBLE AT PRESENT BECAUSE CONFLICTING JOB(S) HAVE NOT YET SIGNED OFF OR TERMINATED.

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: None unless the wrong START option has been requested for the new job or the conflicting job(s) were started by mistake. If so, resubmit the failing CICS job with appropriate corrections or after canceling the conflicting job(s).

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN2

DFHXC6629I applid CAVM SIGNON IMPOSSIBLE BECAUSE REQUESTING JOB AND SIGNED-ON JOB(S) DO NOT SHARE A COMMON JES JOB QUEUE.

Explanation: The CICS job which issued this message issued a sign on to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: If any of the signed on jobs are running under the control of the wrong JES, cancel them. Resubmit the failing job and any that had to be canceled, ensuring that all are running under the control of either a single JES or multiple JESs that share a common job queue.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSN2

DFHXC6630I applid TAKEOVER REJECTED BECAUSE LAST ACTIVE SIGNED OFF NORMALLY.

Explanation: The CICS job that issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSTKV

DFHXC6626D applid CAVM SIGNON IMPOSSIBLE BECAUSE THIS JOB IS CURRENTLY SIGNED ON OR WAS ONCE AN ACTIVE SYSTEM.

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.
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The takeover cannot be performed unless the difference between the CECs’ TOD clocks is known because normal CICS processing must not be resumed until the current TOD clock reading is later than the TOD clock reading when the old CICS active job terminated as observed in the CEC where it had been running.

System Action: See following message issued by this CICS job.
User Response: None
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWSTKV

DFHX6635I applid TAKEOVER PROCESSING TERMINATED BECAUSE ANOTHER BACKUP HAS STARTED A PRE-EMPTIVE TAKEOVER.

Explanation: The CICS job which issued this message issued a takeover request to the CAVM and the request was accepted, but the error condition described in the message text was encountered before the completion of TAKEOVER.
System Action: See following message issued by this CICS job.
User Response: None
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWSTKV

DFHX6636I applid TAKEOVER PROCESSING TERMINATED BECAUSE STATUS OF ACTIVE JOB CANNOT BE DETERMINED.

Explanation: The CICS job which issued this message issued a takeover request to the CAVM and the request was accepted, but takeover processing could not be completed because of an error encountered in using the CAVM services provided by the CICS SVC.
System Action: See following message issued by this CICS job.
User Response: For problem determination, consult the CICS Problem Determination Guide. The console log and job output may be required.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWSTKV

DFHX6637I applid TAKEOVER IS WAITING TO RESERVE OR ACCESS THE CAVM CONTROL DATA SET.

Explanation: The CICS job that issued this message issued a TAKEOVER request to the CAVM. CAVM is attempting to reserve or access the CAVM control data set in order to process the request, but for some considerable time, either the required resource has remained unavailable or an outstanding I/O request has not completed. The reserve attempt should not fail unless another CICS job using the same CAVM data set and executing a SIGNON, SIGNOFF or TAKEOVER request has been held up, possibly by I/O delays, after issuing a successful reserve.
System Action: See message DFHX6607.
User Response: See message DFHX6607.
Note: This message cannot be changed with the message editing utility.
DFHXC6638I applid NOTIFY RC= retcode - text

Explanation: The CICS job that displayed this message has found that the return code passed back to CAVM by the NOTIFY exit (DFHXRB) was non-zero. The message includes the actual return code value retcode (or greater than 99) and some text identifying the type of event which was being processed when the error occurred. This message always indicates either an internal error in CAVM or CICS or that code or data has become corrupted.

System Action: Processing continues but XRF function is probably degraded.

User Response: See also message DFHXC6607.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSTKV

DFHXC6640I applid ALL STATUS WRITERS ARE IN I/O WAIT.

Explanation: The CICS job which displayed this message has found that the writes of its latest status issued to the control data set and the message data set are both taking a long time to complete. This might occur if reserves issued by jobs (not necessarily CICS) running in other CECs have made the DASD volumes of both CAVM data sets temporarily inaccessible.

System Action: The CICS job re-issues this warning message at intervals until one of the status reads completes. Meanwhile, it continues to perform any processing which is not dependent on status write completion. If the job which displayed this message is a CICS active and the condition persists for long enough, it is possible that an unwanted takeover will be initiated when the alternate (assuming that it is able to read the CAVM data sets because it is running in a different CEC) notices that the active system’s surveillance signals have ceased.

User Response: If this message is issued by an CICS active job which does not seem to be experiencing other problems, it might be advisable to issue a suitable command to the corresponding alternate job to prevent it from initiating an unnecessary takeover. See also message DFHXC6607.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSW

DFHXC6641I applid STATUS WRITE I/O ERROR ON dsname

Explanation: The CICS job which displayed this message has encountered an I/O error in writing its latest status to either the control data set or the message data set.

System Action: If the CICS job is able to write its status successfully to either the control data set or the message data set, processing continues. Further writes to the failing data set might be attempted later on because it is possible that the error condition was transient. If both data sets become unusable simultaneously, the CAVM TCB ABENDs.

User Response: Inform your installation’s system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSW

DFHXC6642I applid ALL STATUS READERS ARE IN I/O WAIT.

Explanation: The CICS job which displayed this message has found that the reads it has issued to the control data set and the message data set to obtain the latest available status of its partner system are both taking a long time to complete. This might occur if reserves issued by jobs (not necessarily CICS) running in other CECs have made the DASD volumes of both CAVM data sets temporarily inaccessible.

System Action: The CICS job reissues this warning message at intervals until one of the status reads completes. Meanwhile, it continues to perform any processing which is not dependent on status read completion. If the job which displayed this message is a CICS alternate, it is possible that a takeover will not be initiated if the active fails, since the alternate cannot detect that the active’s surveillance signals have ceased.

User Response: See message DFHXC6607.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSR

DFHXC6643I applid STATUS READ I/O ERROR ON dsname

Explanation: The CICS job which displayed this message has encountered an I/O error in reading the latest available status of its partner system from either the control data set or the message data set. dsname is the name of the data set.

System Action: Processing continues but XRF function will be degraded because the affected system might not be able to detect changes in its partner’s status. Further reads from the failing data set might be attempted later on because it is possible that the error condition was transient. If this error is encountered in an alternate system while it is processing a takeover request, the takeover will fail.

User Response: Inform your installation’s system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSR

DFHXC6644I applid NOTIFY RC= retcode - text

Explanation: The CICS job which displayed this message has found that the return code passed back to CAVM by the NOTIFY exit (DFHXRB) was non-zero. The message includes the actual return code value retcode (or a value greater than 99) and some text identifying the type of event that was being processed when the error occurred. This message always indicates either an internal error in CAVM or CICS or that code or data has become corrupted.

System Action: Processing continues but XRF function is probably degraded.

User Response: Inform your installation’s system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHWSSR
DFHXC6645I applid ERROR IN INQUIRE HEALTH EXIT.

Explanation: The CICS job which displayed this message has found that the return code passed back to CAVM by the INQUIRE HEALTH exit (DFHXRC) was nonzero. This message indicates either an internal error in CAVM or in CICS, or that code or data has become corrupted.

System Action: Processing continues but XRF function is probably degraded.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTI

DFHXC6646I applid ERROR CALLING CICS SVC - xxxxxxxxxxxx

Explanation: The CICS job which displayed this message has encountered an error calling the CICS supervisor code (SVC) to determine the status of another MVS image in the same XCF sysplex as the calling CICS MVS image.

System Action: Processing continues but XRF function is probably degraded.

User Response: Ensure that the correct level of CICS SVC has been specified. Also ensure that MVS has issued an acceptable return code as this error can be caused by a change in MVS response codes. If the error is caused by neither of these, it could be the result of an internal error in CAVM. If this is the case, you need further guidance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSR

DFHXC6645I applid ERROR INQUIRE HEALTH EXIT.

Explanation: The CICS job which displayed this message has found that the return code passed back to CAVM by the INQUIRE HEALTH exit (DFHXRC) was nonzero. This message indicates either an internal error in CAVM or in CICS, or that code or data has become corrupted.

System Action: Processing continues but XRF function is probably degraded.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTI

DFHXC6650I applid CAVM HAS FAILED, CODE = code

Explanation:

System Action: An ABEND U0218 is issued with a reason code equal to the code in message DFHXC6650. This results in abnormal termination of the CICS XRF job. See also any following messages issued by this CICS XRF job.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHWSRTR, DFHWSSN1, DFHWSSN2, DFHWSSN3, DFHWSSOF, DFHWSSR, DFHWSSW, DFHWSTKV

DFHXGxxxx (XRF general) messages

DFHXG6215 applid progname operation failure, response code cccc cccc keyrange: rrrr(. | key: )key

Explanation: Table builder services (DFHTBSS) failed in an operation on the global catalog (DFHCCCC).

The failing operation is shown in the message, and is a DELETE, WRITE_NEXT, START_WRITE or END_WRITE request.

- cccc cccc are the response and reason codes from the catalog domain.
- rrrr is the internal RQ token passed to the catalog domain.
- key appears in the message only for a WRITE or DELETE operation, and usually includes the name of the resource for which CICS failed to record information on the global catalog.

This is normally an internal CICS error, however, it can occur during shut down if one task initiates a normal shut down, and another initiates an immediate shut down shortly afterwards. This is because the immediate shut down closes resources that are being used by the normal shut down task.

This can also occur if the global catalog is not big enough and a large group is being installed.

System Action: CICS terminates.

User Response: Check the size of the global catalog. Redefine a larger one if necessary.
Alternatively this message could be caused by an immediate shutdown of CICS because tasks not yet quiesced may abend trying to access a service removed by the shutdown process.

Destination: Console
Module: DFHTBSS
XMEOUT Parameters: applid, programe, operation, cccc, cccc, rrr, (1=., 2= key: ), key

DFHXG6400I applid Signing on to the CAVM as active with generic APPLID genericid

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to sign on to the CICS availability manager (CAVM) as active. The message insert provides the generic applid.

System Action: CICS initialization is delayed until the signon request has been processed.

In general the delay is insignificant. In those cases where the delay is significant messages are produced by the CAVM to note the reasons.

User Response: None.

DFHXG6401I applid Sign on to the CAVM as active accepted

Explanation: This is an informational message issued from the CICS TCB. It indicates that the signon request (refer to message DFHXG6400) has been accepted by the CAVM.

System Action: CICS initialization is resumed.

User Response: None.

DFHXG6402I applid Sign on to the CAVM as active rejected

Explanation: This is an informational message issued from the CICS TCB. It indicates that the signon request has been rejected by the CAVM. (Refer to message DFHXG6400.) Messages are produced by the CAVM to note the reasons for rejecting the request.

System Action: CICS is terminated abnormally.

User Response: Refer to message DFHXG6439 for further information and guidance. Correct the errors.

DFHXG6403I applid Sign on of specificid to the CAVM as alternate detected.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the named alternate CICS has signed on to the CAVM.

System Action: Transaction CXCU is attached to send keypoint data to alternate CICS.

User Response: None.

DFHXG6404I applid SIGNING OFF NORMALLY FROM THE CAVM.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to sign off normally from the CAVM.

System Action: CICS termination is delayed until the sign off request has been processed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHXRSP
XMEOUT Parameters: applid, specificid

DFHXG6405I applid SIGN OFF NORMAL FROM THE CAVM ACCEPTED.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM. (Refer to message DFHXG6404).

System Action: CICS termination is continued.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHXRSP
XMEOUT Parameters: applid, specificid

DFHXG6406I applid SIGN OFF NORMAL FROM THE CAVM REJECTED.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to sign off abnormally from the CAVM.

System Action: CICS termination is delayed until the sign off request has been processed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Module: DFHXRSP
XMEOUT Parameters: applid

DFHXG6407I applid Sign off normal from the CAVM detected.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that alternate CICS has signed off from the CAVM.

System Action: CICS processing continues.

User Response: None.

Destination: Console
Module: DFHXRSP
XMEOUT Parameter: applid
DFHXG6408I applid SIGNING OFF ABNORMALLY FROM THE CAVM.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM.

System Action: CICS termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6409I applid SIGN OFF ABNORMAL FROM THE CAVM ACCEPTED.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM. (Refer to message DFHXG6408).

System Action: CICS termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6410I applid SIGN OFF ABNORMAL FROM THE CAVM REJECTED.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign off request has been rejected by the CAVM. (Refer to message DFHXG6408.)

Messages are produced by the CAVM to note the reasons for rejecting the request.

System Action: CICS termination continues.

User Response: Refer to the messages produced by the CAVM for further information.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6411I applid Sign off abnormal from the CAVM detected.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the alternate CICS has signed off from the CAVM.

System Action: The system continues with normal processing. However, you should be aware that takeover may not occur should the active CICS fail.

User Response: Determine the reason for the abnormal sign-off.

Destination: Console

Module: DFHXRF

XMEOUT Parameter: applid

DFHXG6415I applid CICS is being taken over. Execution will be terminated.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has accepted a takeover request from alternate CICS.

System Action: CICS is terminated abnormally with abend code 206.

User Response: None.

Destination: Console

Module: DFHXRF

XMEOUT Parameter: applid

DFHXG6416I applid APPARENT FAILURE OF ALTERNATE CICS DETECTED.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the alternate CICS appears to have failed.

System Action: The system continues with normal processing. However, you should be aware that takeover may not occur should the active CICS fail.

User Response: Determine the reason for the apparent failure of the alternate CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6417I applid Recovery of alternate CICS detected.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that alternate CICS has recovered from the apparent failure reported by message DFHXG6416.

System Action: The system continues with normal processing.

User Response: None.

Destination: Console

Module: DFHXRF

XMEOUT Parameter: applid

DFHXG6422I applid Sign off normal from the CAVM assumed.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has assumed that the alternate CICS has signed off from the CAVM.

This is likely to occur when the active CICS is running on CEC 1 and:

1. the CICS alternate is started on CEC 2, or
2. the CEC 2 initial program load is repeated, or
3. CICS alternate is restarted on CEC 2.

System Action: CICS processing is continued.

User Response: None.

Destination: Console

Module: DFHXRF

XMEOUT Parameter: applid

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DFHXG6423I applid CAVM failure detected. CICS cannot continue as active.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has failed.

Messages are produced by the CAVM to note the reasons for failure.

System Action: CICS terminates abnormally with abend code 212.

User Response: Correct the error.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: applid

DFHXG6427I applid Terminal control restart task has failed. CICS execution will be terminated.

Explanation: This is an informational message issued from the CICS TCB. It indicates that the terminal control restart task has failed. It is no longer possible for CICS to continue either as active or as alternate.

Messages are produced by the terminal control restart task to note the reasons for failure.

System Action: CICS terminates abnormally with abend code 209.

User Response: Correct the error.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: applid

DFHXG6429I applid Transaction CXCU cannot be attached.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS is unable to attach transaction CXCU. Therefore, CICS is unable to initiate the transmission of tracking messages. Takeover is adversely affected if CXCU cannot be attached. This can occur if:

1. CXCU is not defined to CICS, or
2. CICS is short on storage

System Action: CICS attempts to attach CXCU at regular intervals.

User Response: Either install CXCU using RDO, or alleviate the storage shortage.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: applid

DFHXG6439I applid CICS startup is terminated for reasons given above.

Explanation: This is an informational message indicating that CICS startup is terminated.

System Action: CICS is terminated abnormally with a dump.

User Response: Refer to previous messages that have been sent to the system console for further guidance.

Destination: Console

Module: DFHSIC1

DFHXG6440I I/O ERROR ON XRF MESSAGE DATA SET. RPL ADDRESS = HEX'xx'.

Explanation: VSAM reported a physical I/O error on the XRF message data set. The address 'xx' is that of the VSAM RPL which reported the error.

System Action: Surveillance by the XRF system ceases.

User Response: It is necessary to restart both the active and alternate CICS systems with a fresh pair of surveillance data sets. For diagnostic purposes, the message gives the address of the RPL being used at the time the error was reported. The RPL has an associated VSAM message area.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMMT

DFHXG6441I LOGICAL ERROR ON XRF MESSAGE DATA SET. VSAM FEEDBACK DATA = HEX'xx'.

Explanation: VSAM reported a logical error on the XRF message data set.

System Action: Surveillance by the XRF system ceases.

User Response: This is an error in the CICS system. For diagnostic purposes the message contains the VSAM feedback data for the error.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMMT

DFHXG6442I INTERNAL ERROR IN XRF MESSAGE MANAGER.

Explanation: Request chains maintained by the CICS message manager are in an inconsistent state.

System Action: Surveillance by the XRF system ceases.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMQS

DFHXG6443I INTERNAL ERROR IN XRF SURVEILLANCE COMPONENT.

Explanation: An invalid internal call has been made to a routine in XRF surveillance component.

System Action: Surveillance by the XRF system ceases.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWCCS
DFHXG6444I VSAM REQUEST REJECTED FOR XRF MESSAGE DATA SET.
Explanation: A VSAM PUT or GET request directed to the XRF message data set has been rejected.
System Action: Surveillance by the XRF system ceases.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWMMT

DFHXG6445I XRF MESSAGE DATA SET FORMATTING STARTED.
Explanation: The XRF message data set is new and must be formatted before it can be used to pass messages from the active to the alternate.
System Action: Normal service continues.
User Response: Depending on the size of the message data set, there will be some delay before the active can send messages to the alternate. It may be advisable to defer starting an alternate system until the corresponding message DFHXG6446 has been received.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWMMT

DFHXG6446I XRF MESSAGE DATA SET FORMATTING COMPLETED.
Explanation: The XRF message data set has now been formatted. It can be used to pass messages from the active to the alternate.
System Action: Normal service continues.
User Response: None. See message DFHXG6445.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWMMT

DFHXG6447I NON CRUCIAL XRF MESSAGE(S) DISCARDED.
Explanation: The XRF message data set is full. Some messages are being discarded in preference to invalidating the alternate system by overwriting messages that it has not yet read.
System Action: Normal service continues.
User Response: This situation is likely to arise in circumstances similar to those described for message DFHXA6541. The alternate has not yet become invalid but is likely to become so and corrective action is warranted. Refer to message DFHXA6541 for further guidance.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWWMWR

DFHXG6450I SVC GETMAIN FAILED IN XRF SURVEILLANCE.
Explanation: An SVC GETMAIN issued by the CICS surveillance component has failed. The GETMAIN may have been issued under either the CICS TCB or the XRF TCB.
System Action: An MVS abend 0190 is issued.
User Response: Since the GETMAIN requests storage above the 16MB line, it is extremely unlikely that the request cannot be satisfied.
A system error may have occurred. If this is the case, you will require further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWCCS

DFHXG6451I SVC GETMAIN FAILED IN XRF SURVEILLANCE.
Explanation: An SVC GETMAIN issued by the CICS surveillance component has failed. The GETMAIN may have been issued under either the CICS TCB or the XRF TCB.
System Action: An MVS abend 0191 is issued.
User Response: Since the GETMAIN requests storage above the 16MB line it is extremely unlikely that the request cannot be satisfied.
A system error may have occurred. If this is the case, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWLGET

DFHXG6452I INTERNAL ERROR IN XRF SURVEILLANCE.
Explanation: A consistency check made by the XRF LIFO storage manager has failed. The failure may have occurred while running under either the CICS TCB or the XRF TCB.
System Action: An MVS abend 0192 is issued.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWLFRE

DFHXG6453I INTERNAL ERROR IN XRF SURVEILLANCE.
Explanation: A consistency check made by the XRF process manager has failed. A process has made an invalid internal lock request.
System Action: An MVS abend 0193 is issued.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Note: This message cannot be changed with the message editing utility.
Destination: Console
DFHXG6454I

Module:  DFHWDWAT

DFHXG6454I PROGRAM CHECK IN XRF SURVEILLANCE. PSW = HEX'xx' 'xx'. ADDRESS OF EPIC COPY = HEX'xx'.

Explanation:  A program check occurred from which the XRF process was unable to recover.

System Action:  An MVS abend 0194 is issued and a dump is produced.

User Response:  This is an error in the CICS system. The message gives the PSW at which the check occurred. Further information is preserved in the dump.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note:  This message cannot be changed with the message editing utility.

Destination:  Console

Module:  DFHWDSRP

DFHXG6475 applid iii Backup simlogon(s) abandoned

Explanation:  An XRF alternate is taking over, and is processing the last few session tracking requests.

CICS has issued a SIMLOGON for a standby session, but VTAM has not yet returned the logon request to CICS's VTAM logon exit.

Message DFHXG6480 has been issued twice, and CICS has now assumed that the logons will not appear.

Normal processing continues, though the state of the sessions currently pending backup SIMLOGON is unpredictable at the end of CICS initialization.

The reconnection process attempts to BIND these sessions normally.

System Action:  Normal takeover processing continues.

User Response:  The CSTL log and CICS trace should be collected.

Destination:  Console

Module:  DFHZXST

XMEOUT Parameters:  applid, iii

DFHXG6476I applid XRF catch-up abandoned - all XRF alternates signed off

Explanation:  A run of the XRF catch-up transaction has been abandoned because there are no XRF alternates. A failing alternate may have issued some messages.

System Action:  Normal processing continues.

User Response:  None.

Destination:  Console

Module:  DFHZXCU

XMEOUT Parameter:  applid

DFHXG6477I applid Generic and Specific Ids have same value

Explanation:  A CICS system has issued the command to re-assign the VTAM USERVAR representing the XRF complex so that from now on logon requests to the XRF complex are directed to this CICS. However, this system is an XRF primary, and the value of the specific ID is the same as the generic ID for the XRF complex.

System Action:  Normal processing continues.

User Response:  None. However special care must be taken when using the application ID. You must make it clear whether reference is being made to the CICS system or to the XRF complex.

Destination:  Console

Module:  DFHZXSTS

XMEOUT Parameter:  applid

DFHXG6479 applid Modify USERVAR issued unsuccessfully.

Return code nn

Explanation:  A CICS system has unsuccessfully issued a command to re-assign the VTAM USERVAR representing the XRF complex.

System Action:  Normal processing continues.

User Response:  The system operator can issue the command on CICS's behalf. The format is as follows:

F procname,USERVAR,ID=generic-id,VALUE=specific-id

Where:

- ‘procname’ is the procedure name for VTAM,
- ‘generic-ID’ is the VTAM application ID for the whole complex, and
- ‘specific-ID’ is the VTAM application ID for the new CICS

If it is not possible to change the USERVAR, end-user logons which name the generic-ID value continue to be directed to the old specific-applid, with unpredictable results.

(However, logons quoting the specific-ID of the new system are routed to that system.)

Destination:  Console

Module:  DFHZXSTS

XMEOUT Parameters:  applid, nn

DFHXG6480I applid Waiting for backup simlogon processing to drain

Explanation:  An XRF alternate is taking over, and is processing the last few session tracking requests.

CICS has issued SIMLOGON for a standby session, but VTAM has not yet returned the logon request to the CICS VTAM logon exit.

This message is issued every 5 seconds for 20 seconds while the takeover is being held up.

This indicates either a VTAM error or a CICS logic error.

System Action:  This message is issued twice and then message DFHXG6475 is issued.

User Response:  If this message is repeated look for other evidence of failure in CICS or VTAM.

Destination:  Console

Module:  DFHZXQO

XMEOUT Parameter:  applid
Chapter 1. DFH messages

DFHXG6481I applid Autoconnect delayed for hh hours, mm minutes, ss seconds.

Explanation: CICS has delayed running the reconnection transaction CXRE for an interval of hh hours, mm minutes, ss seconds, to either:

- acquire AUTOCONNECT terminals after a CICS startup, or
- reacquire terminal sessions after an XRF takeover.

The delay value, hh hours, mm minutes, ss seconds, is taken from the AUTCONN system initialization parameter.

The explanation that follows either: If any of the VTAM terminals or sessions listed in message DFHXG6486 are crucial, then check whether they are successfully connected as a result of this pass.

System Action: Processing continues

User Response: None.

Destination: Console

Module: DFHZXRE

XMEOUT Parameter: applid

DFHXG6484I applid Autoconnect processing now complete.

Explanation: The reconnection transaction CXRE has just scanned all the VTAM terminals and sessions, and all those that were to be (re)connected are now connected.

System Action: Processing continues

User Response: None.

Destination: Console

Module: DFHZXRE

XMEOUT Parameter: applid

DFHXG6485 applid Unable to schedule Autoconnection / Reconnection process.

Explanation: CICS initialization attempted to schedule the reconnection process, but was unable to do this as CICS rejected the DFHPC TYPE=LINK call.

See following message DFHXG6487 or DFHXG6488 for the reason.

System Action: The reconnection process is not run.

User Response: CEMT must be used to restore individual terminals to the desired state.

Destination: Console

Module: DFHZIPA

XMEOUT Parameter: applid

DFHXG6486I applid termid may not be acquired after takeover

Explanation: The reconnection transaction, CXRE, is making its last run, but has discovered that terminal or session termid is still not bound in the same status that it was during the failed run of CICS.

System Action: Normal processing continues.

User Response: Note the message.

Destination: Console

Module: DFHZXRE0

XMEOUT Parameters: applid, termid

DFHXG6487I applid This will be the last pass.

Explanation: The reconnection transaction CXRE is about to scan the VTAM terminals and sessions that were to be (re)connected for the last time. All those found are listed in message DFHXG6486.

System Action: Processing continues

User Response: If any of the VTAM terminals or sessions listed in message DFHXG6486 are crucial, then check whether they are successfully connected as a result of this pass.

Destination: Console

Module: DFHZXRE

XMEOUT Parameter: applid

DFHXG6487 applid Unexpected IC/PC error code X'code'. Module modname

Explanation: The reconnection transaction CXRE could not be scheduled or rescheduled., as the DFHIC TYPE=INITIATE or DFHPC TYPE=LINK was rejected with code X'code'. This is caused by a CICS logic error.

This message follows either:

- DFHXG6485 if CICS was unable to schedule CXRE, or
- DFHXG6489 if CICS was unable to reschedule CXRE.

System Action: The action taken by CICS depends upon whether the error occurred during scheduling or rescheduling of CXRE.

Refer to the system action for either DFHXG6485 or DFHXG6489 for further details about the action taken by CICS.

Message DFHME0116 is normally produced containing the symptom string for this problem.
DFHXG6488

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Modules: DFHSIJ1, DFHZOPA
XMEOUT Parameters: applid, X’code’, modname

DFHXG6488 applid Required transaction CXRE is not defined to CICS. Module modname

Explanation: The reconnection transaction, CXRE, could not be rescheduled. This was because either the transaction code required no longer has an installed transaction definition, or the program required does not have an installed program definition.

This message follows DFHXG6489 or DFHXG6485

System Action: The current run of the reconnection transaction is the last one. Message DFHXG6486 is issued for all terminals and sessions found.

User Response: If non-XRF terminals are to be reconnected, correct the problem.

Destination: Console
Modules: DFHSIJ1, DFHZOPA
XMEOUT Parameters: applid, modname

DFHXG6489 applid Unable to schedule Autoconnection / Reconnection transaction CXRE. Module modname.

Explanation: The reconnection transaction, CXRE, attempted to reschedule itself, but was unable to as CICS interval control rejected the DFHIC TYPE=INITIATE call.

This message is followed either by DFHXG6487 or DFHXG6488, which provides further information about the cause of the error.

System Action: The current run of the reconnection transaction is the last one. Message DFHXG6486 is issued for all terminals and sessions found.

User Response: See the following message. CEMT may be used to acquire individual terminals.

Destination: Console
Module: DFHSIJ1
XMEOUT Parameters: applid, modname

DFHXG6490I applid Reconnecting VTAM session - pass number xxx

Explanation: Control has recently been given to CICS after an XRF takeover. The reconnection transaction, CXRE, which attempts to start acquire processing for logical units that were in session in the failed active, has just started for the pass number xxx.

System Action: Normal processing continues.

User Response: Note any error messages arising as CICS attempts to reconnect terminals and sessions.

Destination: Console
Module: DFHZXRE0
XMEOUT Parameters: applid, xxx

DFHXG6491 applid Logic error during session tracking. REASON rcode terminal/session event

Explanation: XRF session tracking encountered an unexpected circumstance probably due to a design error. The reason code (rcode) is one of the following.

1 POST called but no pending action for terminal or session. Inserts: name of terminal or session.
2 DFHZXST called with bad request value.
3 XRF-capable session lacks a correlation id. Inserts: name of terminal or session, code for event being tracked.

The following are valid for DFHSUSX only.
• X’01’—Send sign on data
• X’02’—Send sign on data (catchup)
• X’03’—Receive sign on data

The following are valid for DFHZXST only.
• X’F1’—BIND
• X’F2’—Free LOGON data
• X’F3’—UNBIND

4 Could not get key to build tracking message. Inserts: name of terminal or session, code for event being tracked (see 3 above)
5 Could not get send tracking message. Inserts: name of terminal or session, code for event being tracked (see 3 above)
6 Could not find session named in tracking message. Inserts: name of terminal or session, code for event being tracked (see 3 above)
7 Illegal entry named in tracking message. Inserts: name of terminal or session, code for event being tracked (see 3 above)
8 Bad request code in tracking message. Inserts: name of terminal or session, bad request code (see 3 above for valid DFHZXST codes)
9 Correlator in tracking message is longer than 8. Insert: name of terminal or session
10 Unable to schedule standby BIND. Insert: name of terminal or session.

System Action: Normal processing continues.

User Response: Note the message. Resources and states may be incorrect should the backup take over. If many of these messages are issued, then it is likely that there is a more general problem.
DFHXG6492I  applid XRF catch-up logic error reason length
Explanation: The XRF catch-up program encountered an unexpected circumstance probably due to a CICS design error. The reason, indicated by the first insert, is one of the following:

1. Catalog record internal length value not correct.
2. Catalog record format error. There is no room for a key.
3. Catalog record format error. The key is longer than 16.
4. Catalog record too long for buffer (variable CUBUFFER). The second insert gives the required length.
5. Unexpected ABEND or response from EXEC CICS command.
6. Catalog record format error. There is no resource manager prefix.

System Action: In cases 1, 2, 3, and 6 above, normal processing continues.
In case 4, DFHZXCU abends with abend code AZXB. In case 5, DFHZXCU abends with abend code AZXA.

User Response: Note the message. Resources and states may be incorrect should the alternate take over. If many of these messages are issued, it is likely that there is a more general problem.

Destination: Console
Module: DFHZXCU
XMEOUT Parameters: applid, reason, length

---

DFHXG6493 date time applid XRF tracking record could not be sent xxxx xxxx xxxx xxxx (Module: modname)
Explanation: The XRF catch-up program obtained a bad return code from the XRF message manager and was unable to send a record that the alternate would require to obtain a correct copy of the active. The inserts (internal diagnostic information) are:

1. WMSRETC
   DFHWMS return code. (For values and meanings of the return codes, refer to the XRF CICS manager request interface block (WMSPS) listing in the CICS Data Areas.)
2. WMSREASN
   DFHWMS reason code. (For values and meanings of the reason codes, please refer to the XRF CICS manager request interface block (WMSPS) listing in the CICS Data Areas.)
3. XTR-KEY-VALUE is the key of the tracking record.
4. XTR-ID is the record ID, where
   - zero = tracking, and
   - non-zero = catch-up.
5. XTR-TYPE is the record type (see DFHZXTR), where
   - X = tracking control,
   - C = TCT contents,
   - S = ZCP session tracking, and
   - U = sign on data

The message is issued from module modname.

System Action: Normal processing continues.

User Response: Note the message. Resources and states may be incorrect should the alternate take over. If many of these messages are issued, then it is likely that there is a more general problem.

Destination: Console and Transient Data Queue CSMT
Modules: DFHZXCU, DFHZXST, DFHTCRP, DFHTBSSP, DFHSUSX
XMEOUT Parameters: date, time, applid, xxxx, xxxx, xxxx, xxxx, xxxx, xxxx, modname

---

DFHXG6494I date time applid XRF session state catch-up ended
Explanation: The XRF catch-up program has just finished an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the bound or unbound session states.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT
Module: DFHZXCU
XMEOUT Parameters: date, time, applid

---

DFHXG6495I date time applid XRF session state catch-up started
Explanation: The XRF catch-up program is about to start an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the bound or unbound session states.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT
Module: DFHZXCU
XMEOUT Parameters: date, time, applid

---

DFHXG6496I date time applid XRF TCT contents catch-up ended
Explanation: The XRF catch-up program has just finished an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the contents of the TCT.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT
Module: DFHZXCU
XMEOUT Parameters: date, time, applid

---

DFHXG6497I date time applid XRF TCT contents catch-up started
Explanation: The XRF catch-up program is about to start an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the contents of the TCT.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT
Module: DFHZXCU
XMEOUT Parameters: date, time, applid

---
**DFHXG6498I**

**Date** time applid XRF catch-up ended

**Explanation:** The XRF catch-up program has just finished an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date.

**System Action:** Normal processing continues.

**User Response:** None.

**Destination:** CSMT

**Module:** DFHZXCU

**XMEOUT Parameters:** date, time, applid

---

**DFHXG6498I** date time applid XRF catch-up started

**Explanation:** The XRF catch-up program is about to start an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date.

**User Response:** None.

**System Action:** Normal processing continues.

**Destination:** CSMT

**Module:** DFHZXCU

**XMEOUT Parameters:** date, time, applid

---

**DFHXG6500I** applid Signing on to the CAVM as alternate with generic APPLID genericid

**Explanation:** This is an informational message issued from the CICS TCB. It indicates that the system is about to sign on to the CICS availability manager (CAVM) as alternate. The message insert provides the generic applid.

**System Action:** CICS initialization is delayed until the sign on request has been processed. In general the delay is insignificant. In those cases where the delay is significant messages are produced by the CAVM to note the reasons.

**User Response:** None.

**Destination:** Console

**Module:** DFHXRa

**XMEOUT Parameters:** applid, genericid

---

**DFHXG6501I** applid Sign on to the CAVM as alternate accepted

**Explanation:** This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the named active CICS has signed on to the CAVM.

**System Action:** CICS initialization continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHXRa

**XMEOUT Parameter:** applid

---

**DFHXG6502I** applid Sign on to the CAVM as alternate rejected

**Explanation:** This is an informational message issued from the CICS TCB. It indicates that the sign on request has been rejected by the CAVM. Messages are produced by the CAVM to note the reasons for rejecting the request.

**System Action:** CICS initialization is terminated.

**User Response:** None.

**Destination:** Console

**Module:** DFHXRa

**XMEOUT Parameter:** applid
DFHXG6513I applid  

**Takeover request accepted by the CAVM**

**Explanation:** This is an informational message issued from the CICS TCB. It indicates that the takeover request (refer to message DFHXG6512) has been accepted by the CAVM.

**System Action:** CICS initialization continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHXRA

**XMEOUT Parameter:** applid

---

DFHXG6514I applid  

**Takeover request rejected by the CAVM**

**Explanation:** This is an informational message issued from the CICS TCB. It indicates that the takeover request (refer to message DFHXG6512) has been rejected by the CAVM. Messages are produced by the CAVM to note the reasons for rejecting the request.

**System Action:** CICS initialization continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHXRA

**XMEOUT Parameter:** applid

---

DFHXG6516I applid  

**Apparent failure of active CICS detected.**

**Explanation:** This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS appears to have failed.

**System Action:** The action taken depends on the current value of the takeover option. This is specified in the system initialization table. The CEBT SET TAKEOVER command is used to change the value. A takeover request will be passed to the CAVM if the current value of the takeover option is AUTOMATIC. Message DFHXG6518 will be sent to the console if the current value is MANUAL.

**User Response:** Determine the reason for the apparent failure of active CICS.

**Destination:** Console

**Module:** DFHXRSP

**XMEOUT Parameter:** applid

---

DFHXG6517I applid  

**Recovery of active CICS detected.**

**Explanation:** This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS has recovered from the apparent failure reported by message DFHXG6516.

**System Action:** CICS initialization continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHXRSP

**XMEOUT Parameter:** applid

---

DFHXG6519I applid  

**The reply to message DFHXG6518 is assumed to be IGNORE.**

**Explanation:** This is an informational message issued from the CICS TCB. It indicates that CICS no longer requires the user to respond to message DFHXG6518.

**System Action:** CICS initialization continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHXRSP

**XMEOUT Parameter:** applid

---

DFHXG6520I applid  

**CICS shutdown initiated by CAVM event.**

**Explanation:** This is an informational message issued from the CICS TCB. CICS initiated shutdown occurs in the following situations:

1. CICS is notified that active CICS has signed off normally from the CAVM. Message DFHXG6507 is sent to the console.
2. CICS is notified that active CICS has been restarted “in place”. Message DFHXG6511 is sent to the console.
3. CICS assumes that the active CICS has signed off normally from the CAVM. Message DFHXG6522 is sent to the console.

**System Action:** CICS terminates normally, but note that takeover does not occur if (active) CICS fails.
DFHXG6522I

User Response: Consider restarting (alternate) CICS.
Destination: Console
Module: DFHXRSP
XMEOUT Parameter: applid

DFHXG6522I applid Sign off normal from the CAVM assumed.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has assumed that the active CICS has signed off from the CAVM. This is likely to occur when the alternate CICS is running on CEC 1 and:
1. Active CICS is started on CEC 2.
2. CEC 2 is reinitialized.
3. Active CICS is restarted on CEC 2.

System Action: CICS processing is terminated.
User Response: None.
Destination: Console
Module: DFHXRSP
XMEOUT Parameter: applid

DFHXG6523I applid CAVM failure detected. CICS cannot continue as Alternate.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has failed. Messages are produced by the CAVM to note the reasons for failure.

System Action: CICS terminates abnormally. The abend code is 207.
User Response: Correct the error.
Destination: Console
Module: DFHXRSP
XMEOUT Parameter: applid

DFHXG6524I applid CAVM error detected. CICS cannot continue as Alternate.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has detected an error that prevents CICS from continuing as an alternate.

This would be the case, for example, where the alternate CICS has been unable to keep up with the messages generated by the active CICS.

Messages are produced by the CAVM to note the reasons for failure.

System Action: CICS terminates abnormally. The abend code is 213.
User Response: Correct the error.
Destination: Console
Module: DFHXRSP
XMEOUT Parameter: applid

DFHXG6539I applid The reply to message DFHXG6518 is assumed to be TAKEOVER.

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS no longer requires the user to respond to message DFHXG6518.

System Action: CICS initialization continues.
User Response: None.
Destination: Console
Module: DFHXRSP
XMEOUT Parameter: applid

DFHXG6680I applid TIME-OF-DAY CLOCK DIFFERENCE IS AT LEAST sss SECONDS.

Explanation: This is an informational message issued from the CICS TCB. Active CICS and alternate CICS systems are executing on different CECs, and the time-of-day clock on the alternate CEC is earlier than that on the active CEC. If takeover occurs then some CICS processing will have to be delayed until the time-of-day clock on the alternate CEC is later than that on the active CEC.

The CAVM has estimated the lower bound to the clock difference and this is at least 15 seconds; the message contains the estimated difference. Note that the lower bound may change as more surveillance signals are processed by the CAVM. This may be the case within the first 3 to 5 surveillance signals of the active CICS starting. An elapsed time of some 10 seconds. This message is repeated as necessary.

System Action: CICS processing continues.
User Response: Ensure that the time-of-day clocks are synchronized as closely as possible. Note that takeover times may be increased if the difference in values is significant.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHXRSP

DFHXG6681I applid TIME-OF-DAY CLOCK DIFFERENCE IS AT MOST sss SECONDS.

Explanation: This is an informational message issued from the CICS TCB. Active CICS and alternate CICS systems are executing on different CECs, and the time-of-day clock on the alternate CEC is earlier than that on the active CEC. If takeover occurs then some CICS processing will have to be delayed until the time-of-day clock on the alternate CEC is later than that on the active CEC.

The CAVM has estimated the upper bound to the clock difference and this is at least 15 seconds; the message contains the estimated difference. Note that the upper bound may change as more surveillance signals are processed by the CAVM; message DFHXG6681 will be repeated as necessary.

System Action: CICS processing continues.
User Response: Ensure that the time-of-day clocks are synchronized as closely as possible. Note that takeover times may be increased if the difference in values is significant.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHXRSP
Chapter 1. DFH messages

DFHXG6682I applid XRF clock synchronization started

Explanation: This is an informational message issued from the CICS TCB. The time-of-day clock on the alternate CEC is earlier than that on the active CEC; time dependent processing must be suspended. Such processing is delayed until the time-of-day clock value on the alternate is later than that on the active CEC when the active job terminated.

System Action: Some CICS initialization continues.

User Response: Ensure that the time-of-day clocks are synchronized as closely as is possible. Note that takeover times may be increased if the difference in values is significant.

Destination: Console
Module: DFHXRA
XMEOUT Parameter: applid

DFHXG6683I applid XRF clock synchronization ended

Explanation: This is an informational message issued from the CICS TCB. The time-of-day clock on the alternate CEC is now later than that on the active CEC; time dependent processing can be resumed.

System Action: CICS initialization continues.

User Response: None.

Destination: Console
Module: DFHXRA
XMEOUT Parameter: applid

DFHMxxx messages

DFHXM0001 applid An abend (code aaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, OC1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error occurred in a crucial XM domain module.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual. Next, look up the CICS alphanumeric code in this manual for further guidance.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Modules: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMDM, DFHXMER, DFHXMFD, DFHXMIG, DFHXMLO, DFHXMQD, DFHXMQC, DFHXMRP, DFHXMSR, DFHXMTA, DFHXMXD, DFHXMXE
XMEOUT Parameters: applid, aaa/bbbb, X'offset', modname

DFHXM0002 applid A severe error (code X'code') has occurred in module modname.

Explanation: An error has been detected in module modname. The code X'code' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error is critical.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Modules: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMDM, DFHXMER, DFHXMFD, DFHXMIG, DFHXMLO, DFHXMQD, DFHXMQC, DFHXMRP, DFHXMSR, DFHXMTA, DFHXMXD, DFHXMXE
XMEOUT Parameters: applid, X'code', modname

DFHXM0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction in the message (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing...
continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response**: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that execution of module *modname* is terminated and CICS continues.

If you have specified ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you should terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve the problem. See Part 4 of the **CICS Problem Determination Guide** for guidance on how to proceed.

**Destination**: Console

**Modules**: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMDDM, DFHXMER, DFHXMFD, DFHMIMQ, DFHXMLD, DFHXMQD, DFHXMQG, DFHXMMP, DFHXML, DFHXMTA, DFHXMXD, DFHXMLX

**XMEOUT Parameters**: `date, time, applid, terminal, userid, tranid`  `modname`

**DFHXM0103** 
**date time applid terminal userid tranid TRANSACTION definition entry for transname has been deleted.**

**Explanation**: This is an audit log message indicating that transaction definition entry *transname* has been deleted from the system using the DISCARD command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

**System Action**: The system continues normally.

**User Response**: None.

**Destination**: CSKL

**Module**: DFHXMDD

**XMEOUT Parameters**: `date, time, applid, terminal, userid, tranid, transname`

**DFHXM0105** 
**date time applid terminal userid tranid TRANSACTION definition entry for transname has been replaced.**

**Explanation**: This is an audit log message indicating that transaction definition entry *transname* has been replaced in the system using the INSTALL command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

**System Action**: The system continues normally.

**User Response**: None.

**Destination**: CSKL

**Module**: DFHXMDD

**XMEOUT Parameters**: `date, time, applid, terminal, userid, tranid, transname`

**DFHXM0110** 
**date time applid Transaction definition transid1 has been installed with the same REMOTENAME and REMOTESYSTEM as existing definition transid2.**

**Explanation**: Transaction definition *transid1* has been installed with the same REMOTENAME and REMOTESYSTEM as transaction definition *transid2*.

If this CICS system routes a transaction to the CICS system named as the REMOTESYSTEM of both the definitions and that transaction issues an EXEC CICS START request for the transaction-id named as the REMOTENAME of *transid1* and *transid2*, CICS can either attach *transid1* or *transid2* on the local system to satisfy the START request.

**System Action**: The install of transaction definition *transid1* continues normally.

If an EXEC CICS START request is issued on a remote system as described in the message explanation, CICS attaches *transid1* and not *transid2* on the local system.

CICS does not always resolve this ambiguity in the same way after a warm or emergency restart, however.
Chapter 1. DFH messages

DFHXM0111  date time applid The install of transaction definition  transid1 has removed ALIAS alias of transid2.

Explanation:  Transaction definition transid1 has been installed with an ALIAS of alias. However, ALIAS alias currently invokes transaction definition transid2.

System Action:  The install of transid1 continues as normal. The ALIAS alias now invokes transaction definition transid1 and not transid2 as previously.

User Response:  If removal of transaction definition transid2’s ALIAS was expected, no action is required. However, transaction definition transid2 should be modified on the CSD so that it no longer specifies the ALIAS.

If the ALIAS has been removed in error, reinstall transaction definition transid2 to reinstates its ALIAS. Transaction definition transid1 should be modified on the CSD so that it no longer specifies the ALIAS.

Destination:  CSMT  
Module:  DFHXMXD 
XMEOUT Parameters: date, time, applid, transid1, alias, transid2

DFHXM0112  date time applid Catalog failure while processing {INSTALL | SET | DISCARD} request for transaction definition transid.

Explanation:  An error has occurred while altering the catalog during the processing of an install, set, or discard request for transaction definition transid.

System Action:  The request continues as normal.

Depending upon the error that has occurred with the catalog, there may be severe problems if a warm or emergency restart of CICS is attempted. The catalog domain will have issued a message outlining the problem in this case.

Alternatively the problem may only be local to the catalog record containing the image of transaction definition transid and the following problems may occur only on a warm or emergency restart.

INSTALL  If it is a reinstall, the old version of the transaction definition is recovered. If it is an install, the transaction definition is not recovered.

SET  The change requested by the SET is not recovered. Instead the transaction definition is recovered to the state prior to the SET request being issued.

DISCARD  The transaction definition is recovered on the restart even though it is currently discarded.

User Response:  No immediate action is required. Consider performing a cold or initial start the next time CICS is restarted to remedy the problem. If a cold or initial start is not appropriate and the problem is only localized to transaction definition transid, remedy the effects outlined for each case previously.

For example,

INSTALL  Reinstall the tranclass definition after the restart.

SET  Reissue the SET command after CICS has been restarted.

DISCARD  Reissue the DISCARD command after CICS has been restarted.

If the catalog problem persists after the restart, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination:  Console and Transient Data Queue CSMT  
Modules:  DFHXMDD, DFHXMXD 
XMEOUT Parameters: date, time, applid, {1=INSTALL, 2=SET, 3=DISCARD}, transid

DFHXM0113  date time applid The install of transaction definition transid1 has removed TASKREQ taskreq of transid2.

Explanation:  Transaction definition transid1 has been installed with a TASKREQ of taskreq. However, TASKREQ taskreq currently invokes transaction definition transid2.

System Action:  The install of transid1 continues as normal.

The TASKREQ taskreq now invokes transaction definition transid1 and not transid2 as previously.

User Response:  If removal of transaction definition transid2’s TASKREQ was expected, no action is required. However, transaction definition transid2 should be modified on the CSD so that it no longer specifies the TASKREQ.

If the TASKREQ has been removed in error, reinstall transaction definition transid2 to reinstates its TASKREQ. Transaction definition transid1 should be modified on the CSD so that it no longer specifies the TASKREQ.

Destination:  CSMT  
Module:  DFHXMXD 
XMEOUT Parameters: date, time, applid, transid1, taskreq, transid2
DFHXM0114  
**date time applid** The install of transaction definition **transid1** has removed XTRANID **xtranid** of **transid2**.

**Explanation:** Transaction definition **transid1** has been installed with a XTRANID of **xtranid**. However, XTRANID **xtranid** currently invokes transaction definition **transid2**.

**System Action:** The install of **transid1** continues as normal.

**User Response:** If removal of transaction definition **transid2**'s XTRANID was expected, no action is required. However, transaction definition **transid2** should be modified on the CSD so that it no longer specifies the XTRANID.

If the XTRANID has been removed in error, reinstall transaction definition **transid2** to reinstate its XTRANID. Transaction definition **transid1** should be modified on the CSD so that it no longer specifies the XTRANID.

**Destination:** CSMT

**Module:** DFHXMXD

**XMEOUT Parameters:** date, time, applid, **transid1**, **xtranid**, **transid2**

DFHXM0115  
**date time applid** The install of transaction definition **transid1** has removed TPNAME **tpname** of **transid2**.

**Explanation:** Transaction definition **transid1** has been installed with a TPNAME of **tpname**. However, TPNAME **tpname** currently invokes transaction definition **transid2**.

**System Action:** The install of **transid1** continues as normal.

**User Response:** If removal of transaction definition **transid2**'s TPNAME was expected, no action is required. However, transaction definition **transid2** should be modified on the CSD so that it no longer specifies the TPNAME.

If the TPNAME has been removed in error, reinstall transaction definition **transid2** to reinstate its TPNAME. Transaction definition **transid1** should be modified on the CSD so that it no longer specifies the TPNAME.

**Destination:** CSMT

**Module:** DFHXMXD

**XMEOUT Parameters:** date, time, applid, **transid1**, **tpname**, **transid2**

DFHXM0116  
**date time applid** PROGRAM parameter missing from transaction definition **transid**. PROGRAM is required because REMOTESYSTEM is the same as the local system.

**Explanation:** Transaction definition **transid** has been installed without a PROGRAM parameter. Since it has been defined with a REMOTESYSTEM equal to the local system, a program is required if the transaction is executed on this system.

**System Action:** The install of **transid** continues as normal. Any attempt to run the transaction **transid** will fail because there is no program to link to.

**User Response:** This message is issued for information only. There is no problem if transaction **transid** is not executed on this system. If it is to be executed, the definition of **transid** needs to be modified and then reinstalled.

If the transaction is not executed, you may wish to investigate why the transaction definition has been installed. It could be that the transaction is defined in an RDO group that is shared between a number of different CICS systems. For example **transid** may be **TTT1** in the following pair of definitions used to implement transaction routing to this local system CICB.

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Remotesystem</th>
<th>Remotename</th>
<th>Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTT1</td>
<td>CICB</td>
<td>TTT2</td>
<td>-</td>
</tr>
<tr>
<td>TTT2</td>
<td>-</td>
<td>-</td>
<td>PROGA</td>
</tr>
</tbody>
</table>

In this example, a single definition would suffice if the transaction was made to have the same name on this system.

**Destination:** CSMT

**Module:** DFHXMXD

**XMEOUT Parameters:** date, time, applid, **transid**, **transid2**

DFHXM0201  
**date time applid terminal userid tranid** TRANCCLASS definition entry for **traniclassname** has been added.

**Explanation:** This is an audit log message indicating that tranclass definition entry **traniclassname** has been added to the system using the INSTALL command.

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System Action:** The system continues normally.

**User Response:** None.

**Destination:** CSKL

**Module:** DFHXMCL

**XMEOUT Parameters:** date, time, applid, terminal, **userid**, **tranid**, **traniclassname**

DFHXM0203  
**date time applid terminal userid tranid** TRANCCLASS definition entry for **traniclassname** has been deleted.

**Explanation:** This is an audit log message indicating that tranclass definition entry **traniclassname** has been deleted from the system using the DISCARD command.

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **tranid** is the transaction issuing the message.

**System Action:** The system continues normally.

**User Response:** None.

**Destination:** CSKL

**Module:** DFHXMCL

**XMEOUT Parameters:** date, time, applid, terminal, **userid**, **tranid**, **traniclassname**
Chapter 1. DFH messages

**DFHXM0205** date time applid terminal userid transid TRANCLASS
definition entry for tranclassname has been replaced.

**Explanation:** This is an audit log message indicating that tranclass definition entry tranclassname has been replaced in the system using the INSTALL command.

- **terminal** is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- **userid** is the user identifier of the user associated with the transaction issuing the message.
- **transid** is the transaction issuing the message.

**System Action:** The system continues normally.

**User Response:** None.

**Destination:** CSKL

**Module:** DFHXMCL

**XMEOUT Parameters:** date, time, applid, terminal, userid, transid, tranclassname

**DFHXM0211** date time applid Catalog failure while processing (INSTALL | SET | DISCARD) request for tranclass definition tranclassname.

**Explanation:** An error has occurred while altering the catalog during the processing of an install, set, or discard request for tranclass definition tranclassname.

**System Action:** The request continues normally.

Depending upon the error that has occurred with the catalog, there may be severe problems if a warm or emergency restart of CICS is attempted. The catalog domain will have issued a message outlining the problem in this case.

Alternatively the problem may only be local to the catalog record containing the image of tranclass definition tranclassname and the following problems may occur only on a warm or emergency restart.

**INSTALL** If it is a reinstall, the old version of the tranclass definition is recovered. If it is an install, the tranclass definition was not recovered.

**SET** The change requested by the SET is not recovered. Instead the tranclass definition is recovered to the state it was in before the SET request was issued.

**DISCARD** The tranclass definition is recovered on the restart even though it is currently discarded.

**User Response:** No immediate action is required. To fully resolve the problem, consider performing a cold or initial start the next time CICS is restarted. If a cold or initial start is not appropriate and the problem is only localized, to tranclass definition tranclassname, you can resolve each of the symptoms separately.

For example:

**INSTALL** Reinstall the tranclass definition after CICS has been restarted.

**SET** Reissue the SET command after CICS has been restarted.

**DISCARD** Reissue the DISCARD command after CICS has been restarted.

If the catalog problem persists after the restart, you may need further assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHXMCL

**XMEOUT Parameters:** date, time, applid, (1=INSTALL, 2=SET, 3=DISCARD), tranclassname

**DFHXM0212** applid Transaction transid has been attached with unknown tranclass tranclassname.

**Explanation:** Transaction transid has just been attached. It is defined as belonging to tranclass tranclassname but tranclassname does not exist.

This message is only issued the first time transaction transid is attached with the unknown tranclass.

**System Action:** The attach of transaction transid proceeds as normal but without being subject to any tranclass scheduling constraints.

**User Response:** If transaction transid should belong to tranclass tranclassname, install that tranclass. If not, modify the transaction definition for transid as appropriate, and reinstall.

The CEDA CHECK command can be used to ensure that each of the tranclasses referenced by transaction definitions are defined within the same startup GRPLIST.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Module:** DFHXMOC

**XMEOUT Parameters:** applid, transid, tranclassname

**DFHXM0213** applid Insufficient storage for system attach of transaction transid.

**Explanation:** There is insufficient storage for a new task to be created for the attach of transaction transid.

Since the majority of the storage required for the new task is obtained from DSA storage, CICS is probably short on storage in one of the DSAs.

**System Action:** The attach request is queued. It is retried later when more storage should have become available. If the retried attach fails, it is queued and retried repeatedly until it succeeds.

**User Response:** If CICS is short on storage, message DFHSM0133 is also issued. Refer to that message for advice on how to resolve the condition.

If message DFHSM0133 has not been issued, the problem has been caused by insufficient MVS storage. In this case consider lowering the EDSALIM of the system to increase the amount of available MVS storage.

**Note:** Do not attempt to reroute this message to a transient data queue.

**Destination:** Console

**Module:** DFHXMAT

**XMEOUT Parameters:** applid, transid
DFHXM0301 date time applid An attempt to link to the user-replaceable transaction restart program (DFHREST) has failed for task number tasknum. Transaction restart is not performed for transaction tranid.

Explanation: A restartable transaction abended and the transaction manager attempted to link to the user-replaceable transaction restart program (DFHREST) but the link has failed. Likely reasons are:
- DFHREST is not defined (and not autoinstalled)
- DFHREST is not present in any library specified in the DFHRPL concatenation.
- DFHREST has been linked with AMODE(24).

System Action: The transaction is not restarted.

User Response: If the problem is not rectified, a message is issued each time the link to DFHREST fails. To avoid this, ensure that DFHREST is properly defined and present in a library specified in the DFHRPL concatenation.

See the CICS Customization Guide for more information about user-replaceable programs.

Destination: Console and Transient Data Queue CSMT

Module: DFHXMTA.

XMEOUT Parameters: date, time, applid, tasknum, tranid

DFHXM0302 applid An abend abcode occurred in the user-replaceable transaction restart program (DFHREST) under task number tasknum. Transaction restart is not performed for transaction tranid.

Explanation: A restartable transaction abended and the transaction manager linked to the user-replaceable transaction restart program (DFHREST). DFHREST abended.

System Action: The transaction is not restarted.

User Response: If the problem is not rectified, a message is issued each time DFHREST abends. To avoid this, fix the problem in DFHREST and ensure that it is properly defined and present in a library specified in the DFHRPL concatenation.

See the CICS Customization Guide for more information about user-replaceable programs.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: applid, abcode, tasknum, tranid

DFHXM0303 applid A severe error (code X'code') has occurred while initializing task number tasknum with transaction identifier tranid. Terminal termid has not been released. The task is suspended indefinitely.

Explanation: An internal error has prevented the initialization of task number tasknum with identifier tranid.

The task cannot run and cannot be abended. The principal facility of the task is a terminal. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: applid, X'code', tasknum, tranid, termid

DFHXM0304 applid A severe error (code X'code') has occurred while initializing task number tasknum with transaction identifier tranid. Transient data queue tdqueue has not been released. The task is suspended indefinitely.

Explanation: An internal error has prevented the initialization of task number tasknum with identifier tranid.

The task cannot run and cannot be abended. The principal facility of the task is a transient data queue. The TD queue will not trigger another task until CICS is terminated. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated. Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The terminal principal facility of the task is unusable by CICS until CICS is canceled.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to release the terminal associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
DFHXM0305 applid A severe error (code X'code') has occurred while initializing task number tasknum with transaction identifier tranid. The interval control element has not been released. The task is suspended indefinitely.

Explanation: An internal error has prevented the initialization of task number tasknum with identifier tranid. The task cannot run and cannot be abended. The principal facility of the task is an interval control element. Any start data associated with the ICE will not be retrieved. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task. The suspended task will hold its MXT slot until CICS is terminated. Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You must cancel CICS if you need to destroy the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force purge the task. Note the error code X'code'. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHXMTA
XMEOUT Parameters: applid, X'code', tasknum, tranid

DFHXM0306 applid A severe error (code X'code') has occurred while initializing task number tasknum with transaction identifier tranid. The task is suspended indefinitely.

Explanation: An internal error has prevented the initialization of task number tasknum with identifier tranid. The task cannot run and cannot be abended. The task has no principal facility bound to it. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task. The suspended task will hold its MXT slot until CICS is terminated. Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You must cancel CICS if you need to destroy the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force purge the task. Note the error code X'code'. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHXMTA
XMEOUT Parameters: applid, X'code', tasknum, tranid

DFHXM0307 applid A severe error (code X'code') has occurred while terminating task number tasknum with transaction identifier tranid. The terminal termid has not been released. The task is suspended indefinitely.

Explanation: An internal error has prevented the termination of task number tasknum with identifier tranid. It is not possible to send the task or message to its terminal principal facility. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task. The suspended task will hold its MXT slot until CICS is terminated. Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which detected the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You must cancel CICS if you need to free up the terminal associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force purge the task. Note the error code X'code'. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHXMTA
XMEOUT Parameters: applid, X'code', tasknum, tranid, termid
**DFHXM0308**  
*applid* A severe error (code *X'code'* has occurred while terminating task number *tasknum* with transaction identifier *tranid*. The transient data queue *tdqueue* has not been released. The task is suspended indefinitely.

**Explanation:** An internal error has prevented the termination of task number *tasknum* with identifier *tranid*. It is not possible to abandon the task. The principal facility of the task is a transient data queue. The TD queue will not trigger another task until CICS is terminated. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

**System Action:** The task is suspended indefinitely. First failure diagnostics should be produced by the component which detected the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

**User Response:** You must cancel CICS if you need to destroy the ICE associated with the task. Any start data remains in temporary storage until it is deleted unless it is nonrecoverable, in which case it disappears on the next cold, initial or emergency restart of CICS. You cannot quiesce CICS since this task does not terminate. You cannot purge or force purge the task.

Note the error code *X'code'* . You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHXMTA

**XMEOUT Parameters:** *applid, X'code', tasknum, tranid, tdqueue*

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**DFHXM0310**  
*applid* A severe error (code *X'code'* has occurred while terminating task number *tasknum* with transaction identifier *tranid*. If the task had a principal facility, it has been released. The task is suspended indefinitely.

**Explanation:** An internal error has prevented the termination of task number *tasknum* with identifier *tranid*. It is not possible to abandon the task. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

**System Action:** The task is suspended indefinitely. First failure diagnostics should be produced by the component which detected the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

**User Response:** You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code *X'code'* . You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHXMTA

**XMEOUT Parameters:** *applid, X'code', tasknum, tranid*
If the value \textit{mxtvalue} is too small, check to see which programs, apart from CICS, are running in this region. To relieve the storage constraint, either increase the DSALIM or EDSALIM of the system to give CICS more storage for its own use. For further details about storage allocation at initialization, see the \textit{CICS Transaction Server for OS/390 Installation Guide}.

**Destination:** Console

**Module:** DFHXMSR

**XMEOUT Parameters:** \textit{applid, mxtvalue}

---

**DFHXM0502** \textit{applid} A catalog failure has occurred while saving the MXT setting.

**Explanation:** An error has occurred while saving the requested MXT setting on the catalog.

**System Action:** The requested MXT change request continues as normal.

Depending upon the error that has occurred with the catalog, there may be severe problems if a warm or emergency restart of CICS is attempted. The catalog domain will have issued a message outlining the problem in this case.

Alternatively the problem may only be local to the catalog record containing the MXT value and only it may not be recovered on a warm or emergency restart.

**User Response:** No immediate action is required. Consider performing a cold or initial start, with the required MXT value specified in the SIT the next time CICS is restarted. If a cold start is not appropriate, add MXT as a SIT override specifying the required MXT value.

**Destination:** Console

**Module:** DFHXMSR

**XMEOUT Parameter:** \textit{applid}

---

**DFHXM0503** \textit{applid} CICS cannot support minimum MXT value of \textit{minmxt}. CICS is terminated.

**Explanation:** A severe lack of storage has resulted in CICS not being able to acquire enough task storage to satisfy even the minimum MXT value of \textit{minmxt}.

CICS cannot perform any useful work without \textit{minmxt} number of user tasks.

**System Action:** CICS is terminated.

**User Response:** Investigate why there is insufficient storage for CICS to support such a low number of user tasks.

To relieve the storage constraint, either increase the DSALIM or EDSALIM of the system to give CICS more storage for its own use. For further details about storage allocation at initialization, see the \textit{CICS Transaction Server for OS/390 Installation Guide}.

**Destination:** Console

**Module:** DFHXMSR

**XMEOUT Parameters:** \textit{applid, minmxt}

---

**DFHXOxxxx messages**
DFHXO6700 OPTION STARTING xxx HAS ILLEGAL SYNTAX.
Explanation: The option xxx has illegal syntax.
System Action: The overseer program is abnormally terminated after completion of parameter analysis.
User Response: Correct the error and resubmit the overseer program.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWOSA

DFHXO6702 JOB STEP IS NOT APF-AUTHORIZED.
Explanation: Part of CICS initialization must be done in an APF-authorized state. The kernel has detected that DFHSIP is not APF-authorized.
System Action: The overseer program is abnormally terminated.
User Response: Ensure that the job step is APF-authorized. All libraries concatenated in the STEPLIB concatenation should be APF-authorized, and DFHSIP should be link-edited with an authorization code of 1.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWOSA

DFHXO6703 UNABLE TO SET UP AUTHORIZED FACILITY.
Explanation: Insufficient storage is available to initialize the authorized facility required by the overseer.
System Action: The overseer program is abnormally terminated.
User Response: Ensure that the REGION parameter is sufficiently large.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWOSA

DFHXO6704 UNABLE TO OPEN DFHLIB.
Explanation: A DD statement for (ddname) DFHLIB was missing from the batch job stream.
System Action: The overseer program is abnormally terminated.
User Response: Correct the JCL.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWOSA

DFHXO6705 xxx OPTION IS MISSING.
Explanation: The option xxx may not be omitted.
System Action: The overseer program is abnormally terminated after completion of parameter analysis.
User Response: Correct the error and resubmit the overseer program.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWOSA

DFHXO6706 CYTIM OPTION MUST BE IN RANGE 20 TO 32767.
Explanation: The CYTIM option must fall within the range 20 through 32767.
System Action: The overseer program is abnormally terminated after completion of parameter analysis.
User Response: Correct the error and resubmit the overseer program.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWOSA

DFHXO6707 VALUE OF xxx OPTION IS LONGER THAN 5 DIGITS.
Explanation: The value of the given numeric option must occupy no more than five digits.
System Action: The overseer program is abnormally terminated after completion of parameter analysis.
User Response: Correct the error and resubmit the overseer program.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWOSA

DFHXO6708 VALUE OF xxx OPTION IS NON-NUMERIC.
Explanation: The value of the option xxx must be numeric.
System Action: The overseer program is abnormally terminated after completion of parameter analysis.
User Response: Correct the error and resubmit the overseer program.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWOSA

DFHXO6709 VALUE OF xxx OPTION IS LONGER THAN 8 CHARACTERS.
Explanation: The value of option xxx must occupy no more than eight characters.
System Action: The overseer program is abnormally terminated after completion of parameter analysis.
User Response: Correct the error and resubmit the overseer program.
Note: This message cannot be changed with the message editing utility.
Destination: Console
Module: DFHWOSA
**DFHXO6712** xxx IS AN INVALID OPTION KEYWORD.

- **Explanation:** The specified keyword xxx is an invalid option.
- **System Action:** Option xxx is ignored.
- **User Response:** Correct the error.
- **Note:** This message cannot be changed with the message editing utility.
- **Destination:** Console
- **Module:** DFHWOSA

**DFHXO6720** THE CICS XRF OVERSEER HAS RECEIVED AN INVALID RESPONSE TO A SUBSYSTEM INTERFACE REQUEST.

- **Explanation:** Overseer services has received an inconsistent response to an MVS subsystem interface request for job status. The response indicates insufficient storage although more than the indicated necessary amount is provided.
- **System Action:** A dump is taken and the overseer job abnormally terminates with MVS user abend code 224.
- **User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
- **Note:** This message cannot be changed with the message editing utility.
- **Destination:** Console
- **Module:** DFHWOSB

**DFHXO6721** THE CICS XRF OVERSEER HAS BEEN UNABLE TO GET STORAGE FOR A SUBSYSTEM INTERFACE REQUEST.

- **Explanation:** The XRF overseer application program has issued a DFHWOSM FUNC=JJC, JJS or QJJS macro. The MVS subsystem interface request issued by the overseer services program while processing this request has failed. The response indicates that the reply area is too small. The MVS GETMAIN request to obtain a larger area is not satisfied.
- **System Action:** The subsystem options block (SSOB), indicating ‘status array too small’ (SSOBRETN=SSCSMALL), is returned to the caller in the 256 byte SSOB return area specified in the DFHWOSM macro.
- **User Response:** Since the areas involved are small, the condition should not normally occur. If it persists, or disrupts the effectiveness of your overseer application, you may need to cancel the overseer job with a dump to investigate the reason for the shortage of storage.
- **Note:** This message cannot be changed with the message editing utility.
- **Destination:** Console
- **Module:** DFHWOSB

## DFHXQxxxx messages

**DFHXQ0101I** Shared TS queue server initialization is in progress.

- **Explanation:** The queue server program has started execution.
- **System Action:** Initialization continues.
- **User Response:** None.
- **Note:** This message cannot be changed with the message editing utility.
- **Destination:** Console and SYSPRINT
- **Module:** DFHXQMN

**DFHXQ0102I** Shared TS queue server for pool **poolname** is now active.

- **Explanation:** The queue server for the named pool has completed initialization and is now ready to accept connections.
- **System Action:** The server waits for connection requests or operator commands.
- **User Response:** None.
- **Note:** This message cannot be changed with the message editing utility.
- **Destination:** Console and SYSPRINT
- **Module:** DFHXQMN

**DFHXQ0103** The pool name parameter is missing.

- **Explanation:** The shared TS queue server program needs to know the name of the queue pool in order to complete initialization but no pool name was specified in the SYSIN or PARM field parameters.
- **System Action:** The queue server is terminated.
- **User Response:** Ensure that the parameter POOLNAME=name is specified either in the SYSIN parameters or in the PARM field of the JCL for the queue server.
- **Note:** This message cannot be changed with the message editing utility.
- **Destination:** Console and SYSPRINT
- **Module:** DFHXQMN

**DFHXQ0104I** Shared TS queue server initialization failed because program DFHXQMN is not APF authorized.

- **Explanation:** The queue server main program DFHXQMN cannot complete initialization because it is not running with APF authorization.
- **System Action:** The queue server is terminated.
- **User Response:** Ensure that the queue server program DFHXQMN is loaded from an APF authorized library and has been linkedited with the option AC(1).
- **Note:** This message cannot be changed with the message editing utility.
- **Destination:** Console and SYSPRINT
- **Module:** DFHXQMN
DFHXQ0111I Shared TS queue server for pool poolname is terminating.

Explanation: The queue server has started termination processing, so no further requests will be processed.

System Action: Termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQMN

DFHXQ0112I Shared TS queue server has terminated, return code retcode, reason code rsncode.

Explanation: The queue server has completed termination processing. If the termination was caused by an error, the return code will be non-zero and the reason code will normally be the number of a previous DFHXQ0nnnn message giving the reason for termination.

System Action: The queue server program returns control (via the AXM termination routines) to MVS for job step termination.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQMN

DFHXQ0113 Shared TS queue server completion code is cmpcode, reason code rsncode.

Explanation: The queue server has terminated after intercepting an abnormal termination (ABEND) request. If the completion code is a system completion code, it is shown as three hexadecimal digits, otherwise it is shown as four decimal digits for a user completion code.

System Action: The queue server program returns control (via the AXM termination routines) to MVS for job step termination.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQMN

DFHXQ0201I Processing type parameters

Explanation: The queue server parameter processing routine is interpreting the specified parameter string. The first word gives the type of parameter (SYSIN/PARM/SET/DISPLAY/PRINT) and the rest is the specified parameters optionally followed by descriptive comment text after one or more spaces. If the parameters start with an asterisk or a space, the whole line is taken as descriptive comments.

System Action: Any specified parameters will be processed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQPR

DFHXQ0202 Unknown parameter keyword: keyword

Explanation: This parameter keyword did not match any of the defined parameter keywords for the queue server.

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0203 Value value for parameter POOLNAME is incorrect. It must be a 1 to 8 character name.

Explanation: The value specified for the queue server POOLNAME= parameter was either empty or exceeded the maximum length of 8 characters.

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0204 Value value for parameter keyword is incorrect. It must be a decimal number.

Explanation: The value of this queue server parameter should have been specified as a decimal number but was not in a valid format. (Numeric parameters can optionally be followed by the letter K, M or G to denote the appropriate powers of 1024).

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR
**DFHXQ0205** Value **value** for parameter **keyword** is greater than the maximum allowed value **maximum**.

**Explanation:** The value of this queue server parameter exceeded the maximum allowed value **maximum**.

**System Action:** Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQPR

---

**DFHXQ0206** Value **value** for parameter **keyword** is less than the minimum allowed value **minimum**.

**Explanation:** The value of this queue server parameter was less than the minimum allowed value **minimum**.

**System Action:** Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQPR

---

**DFHXQ0207** Value **value** for parameter **keyword** is incorrect. It should be a time hh&:].mm&:].ss or hh&:].mm or a number of seconds.

**Explanation:** The value of this queue server parameter did not conform to the correct syntax for a time interval.

**System Action:** Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQPR

---

**DFHXQ0208** Parameter keyword **keyword** is not supported for command.

**Explanation:** A queue server parameter keyword was specified in a context where it is not valid, usually indicating an attempt to SET dynamically a parameter which can only be specified at initialization time.

**System Action:** Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQPR

---

**DFHXQ0209** Parameter text contains invalid character: **text**

**Explanation:** The queue server parameter processing routine found some unexpected text when attempting to process parameters.

**System Action:** Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Correct the parameters (or remove the incorrect parameter) and reenter the command or restart the server.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQPR

---

**DFHXQ0210** Parameter keyword **keyword** should not have a value for command.

**Explanation:** A queue server parameter keyword was specified in the form keyword=value in a context where it was not expected, for example on a DISPLAY command.

**System Action:** Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Reenter the command without specifying a value for the parameter to be displayed.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQPR

---

**DFHXQ0211** Parameter value: **keyword=value**

**Explanation:** This message is issued to show the current value of a queue server parameter setting in response to a DISPLAY or PRINT command.

**System Action:** Processing continues normally.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.
DFHXQ0212

**Destination:** Console and SYSPRINT  
**Module:** DFHXQPR

**DFHXQ0212 Value value for parameter keyword is incorrect. It must be one of validlist.**

**Explanation:** The value of this queue server parameter was not recognized. It should have been specified as one of the indicated list of values.

**System Action:** Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT  
**Module:** DFHXQPR

**DFHXQ0213 Value for parameter keyword is missing. The correct form is keyword=value.**

**Explanation:** A parameter keyword was specified without an associated parameter value on a queue server SET command or in a SYSIN or PARM parameter string. Note that the only character which should appear between the parameter keyword and its intended value is the equals sign, without any extra spaces.

**System Action:** Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

**User Response:** Reenter the parameter specification in the correct form keyword=value.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT  
**Module:** DFHXQPR

**DFHXQ0301I Console operator consname issued command: command**

**Explanation:** A queue server operator command has been issued via the MVS MODIFY or STOP command. This message identifies the console name (or TSO userid) from which the command was issued and the text of the command.

**System Action:** Processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT  
**Module:** DFHXQOP

**DFHXQ0302I command command ignored because no valid parameters were given.**

**Explanation:** A queue server command was issued which had no valid parameters on it but was otherwise syntactically valid. The command has had no effect.

**System Action:** Processing continues normally.

**User Response:** Ensure that the command was entered correctly.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT  
**Module:** DFHXQOP

**DFHXQ0303I command command has been processed.**

**Explanation:** A queue server command has been processed successfully.

**System Action:** Processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT  
**Module:** DFHXQOP

**DFHXQ0304I STOP command is waiting for connections to be closed. Number of active connections = connections.**

**Explanation:** A queue server STOP command has been issued (either via an MVS STOP command or via an MVS MODIFY command with the text STOP) but there are still active connections to the server, so the STOP command has not yet taken effect.

**System Action:** The server rejects any further attempts to establish new connections, but continues processing requests for existing connections. Each time a connection is terminated, this message is repeated for as long as there are more active connections.

**User Response:** Further information about the connections which are still active can be obtained using the command DISPLAY CONNECTIONS.

If the server needs to be shut down without waiting for connections to be closed, issue the queue server CANCEL command. Note that this immediately terminates any active connections, causing any further requests for that server to be given a SYSIDERR indication. (The MVS CANCEL command can also be used, but should preferably be avoided because it prevents the server from producing its normal closedown statistics and reports).

Note that if a CICS region is abnormally terminated while server connect or disconnect processing is in progress, or is terminated without going through end of task processing (for example using the FORCE command) there is a slight chance that the server will not be notified that the connection has been terminated. In this case the server is not able to be closed down with the server STOP command, but only with the server CANCEL command.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT  
**Module:** DFHXQOP
DFHXQ0305I STOP command has been processed.

**Explanation:** Processing of a queue server STOP command has now been successfully completed. This means that there are no longer any active connections and the server is ready to close down.

**System Action:** The queue server starts termination processing.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQOP

---

DFHXQ0306I Shared TS queue server does not support this command: `{command}`

**Explanation:** An operator command was addressed to the queue server using the MVS MODIFY command, but the first word of the MODIFY text is not a recognized queue server command (SET, DISPLAY, PRINT, STOP or CANCEL).

**System Action:** The command is ignored.

**User Response:** Correct and reenter the command.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQOP

---

DFHXQ0307I CANCEL command has been processed. Number of active connections = `{connections}`.

**Explanation:** A queue server CANCEL command has been issued, either from an operator console or internally by the queue server in response to a severe error. This message includes the number of active connections which may be affected by this command.

**System Action:** The queue server terminates immediately, without waiting to close connections.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQOP

---

DFHXQ0351I Connection: Job `{jobname}` Appl `{applid}` Idle `{idletime}`

**Explanation:** This describes a single connection in response to the command DISPLAY CONNECTIONS or PRINT CONNECTIONS. The information shows the job name, the specific APPLID and the time in hours, minutes and seconds since the most recent queue request or inquire call was issued using the connection.

**System Action:** This message is issued for each active connection then message DFHXQ0352I is issued to show the total number of active connections.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQOP

---

DFHXQ0352I Queue pool `{poolname}` total active connections: `{connections}`.

**Explanation:** This describes the total number of active connections to the queue pool server, in response to the server command DISPLAY CONNECTIONS or PRINT CONNECTIONS.

**System Action:** Processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQCN

---

DFHXQ0401I Connected to CF structure `{strname}`.

**Explanation:** The queue server has successfully established a connection to the coupling facility list structure for the queue pool, using the IXLCONN macro.

**System Action:** Processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQCF

---

DFHXQ0402I CF structure `{strname}` was allocated by this connection.

**Explanation:** The list structure did not previously exist and was allocated as part of the connection process.

**System Action:** List structure initialization will be performed if necessary.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQCF

---

DFHXQ0403I Connection to CF structure `{strname}` failed, IXLCONN return code `{retcode}`, reason code `{rsncode}`.

**Explanation:** The IXLCONN macro to connect the queue server to its coupling facility list structure failed.

**System Action:** The queue server is terminated.

**User Response:** See the IXLCONN macro in MVS/ESA Programming: Sysplex Services Reference (GC28-1496) for the explanation of the return and reason code. If the reason code is of the form xxxx0C08, indicating structure allocation failure, this message is followed by message DFHXQ0409 giving the facility reason code for each CF in which allocation was attempted.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQCF
DFHXQ0404 CF structure strname cannot be used because it has been allocated with attribute attribute.

Explanation: The queue server has successfully connected to its list structure but has found that the structure has been allocated using an IXLCONN structure attribute keyword which is not supported by the queue server.

System Action: The queue server is terminated.

User Response: This probably indicates that the structure has been allocated or modified by some program other than the queue server. In this case, the incorrect structure should be deleted (for example using the SETXCF FORCE command) so that it will be reallocated correctly when the queue server is restarted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0405 CF structure strname element size elemsize is incorrect. It should be a power of 2 in the range 256 to 4096.

Explanation: The queue server list structure element size (specified via the ELEMSIZE initialization parameter) is not a power of two, or is outside the range supported by the list structure hardware.

System Action: The queue server is terminated (without attempting to connect to the list structure).

User Response: Correct the ELEMSIZE parameter and restart the queue server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0406 Initialization failed for CF structure strname with response response.

Explanation: Queue server processing to initialize the list structure failed with an abnormal internal response code.

System Action: The server is terminated.

User Response: If the response code is 8 (I/O error), it indicates that an IXLLIST macro gave an abnormal return code, in which case a previous DFHXQ0441 message will have been issued giving the IXLLIST return code and reason code. If this response code is any other value, this indicates that the list structure is in a state which should not occur, probably indicating that it was allocated or modified by a program other than the queue server. In this case the structure may need to be deleted (using SETXCF FORCE) so that it will be reallocated when the server is restarted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0407 CF structure strname is not available for shared use.

Explanation: The queue pool is currently locked for exclusive use by some other job such as a queue pool unload or reload job. (This serialization uses an MVS ENQ with scope SYSTEMS for major name SYSZDFH minor name DFHXQLS_poolname).

System Action: The server is terminated.

User Response: Check whether a queue pool maintenance job is currently running. If it is, wait until it has finished before trying to start the server again.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0408 CF structure strname is not available for exclusive use.

Explanation: The current job (an unload or reload) requires exclusive use of the queue pool, but some other job is running which already has shared or exclusive use of the pool. (This serialization uses an MVS ENQ with scope SYSTEMS for major name SYSZDFH minor name DFHXQLS_poolname).

System Action: The server is terminated.

User Response: Check whether a queue pool maintenance job is currently running. If it is, wait until it has finished before trying to run the current job again.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0409 CF structure strname could not be allocated in facility cfname, reason code rsncode.

Explanation: If a previous message DFHXQ0403 indicated an IXLCONN failure because the structure could not be allocated, this message is issued for each CF in which allocation was attempted to show the facility reason code indicating why structure allocation failed. If the reason code is known to the server, the name of the reason code is given (without the ConaRsn prefix), otherwise its decimal value is shown.

If the reason indicates InvalidStructureSize, this means that the initial list structure size (specified on the server POOLSIZE parameter or in the CFRM policy INITSIZE parameter) is not large enough to contain the required structure control information. The size of the control information is affected by the number of list headers (determined by the server MAXQUEUES parameter) and by the maximum structure size specified in the CFRM policy.

System Action: The queue server is terminated.

User Response: See the descriptions of the reason codes in the MVS macro IXLYCONA which maps the connect answer area.

If the response was InvalidStructureSize, increase the initial structure size specification in the server POOLSIZE parameter or the CFRM policy INITSIZE parameter to ensure that there is enough space for data in addition to the structure control information. Also, check that the server MAXQUEUES parameter and the maximum structure size specified in the CFRM policy are not unnecessarily large. See the System Definition Guide for more information on how to estimate temporary storage queue pool sizes.
Chapter 1. DFH messages

**DFHXQ0410 CF structure strname cannot be used, coupling facility maintenance level is too low.**

**Explanation:** Initialization test routines executed against the allocated list structure gave incorrect results, indicating that the coupling facility control code does not include all maintenance necessary to support shared temporary storage.

**System Action:** The queue server is terminated.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQCF

---

**DFHXQ0411I CF structure strname now has percentage% of entries in use.**

**Explanation:** This message is issued by the queue server when the percentage of list entries in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after an ALTER request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio.

**System Action:** The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing.

**User Response:** Note that the structure may soon become full, preventing queues from being created. If the structure was allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be altered dynamically using the MVS SETXCF command with the START,ALTER options.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQCF

---

**DFHXQ0412I CF structure strname now has percentage% of elements in use.**

**Explanation:** This message is issued by the queue server when the percentage of list data elements in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after an ALTER request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio.

**System Action:** The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing. If the structure usage is increasing and the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

**User Response:** Note that the structure may soon become full, preventing queues from being created. If the structure was allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be altered dynamically using the MVS SETXCF command with the START,ALTER options.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQCF
DFHXQ0416 ALTER request failed for CF structure strname, IXLALTER return code retcode, reason code rsncode.

Explanation: The queue server attempted to start an ALTER to change the entry to element ratio for the list structure, but this was rejected by the system with an unexpected return code.

System Action: The current ALTER attempt is abandoned. Another attempt may be made when the minimum alter interval has expired.

User Response: See the IXLALTER macro in MVS/ESA Programming: Sysplex Services Reference (GC28-1496) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0417 ALTER completed normally for CF structure strname.

Explanation: The queue server has been notified by the system that an ALTER request has completed normally.

System Action: New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHXQ0411 and DFHXQ0412 to indicate the new usage percentages.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0418 ALTER ended abnormally for CF structure strname with status status.

Explanation: The queue server has been notified by the system that an ALTER request has ended abnormally. The two bytes of status information in this message are taken from EEPLALTERENDSTATEFLAGS in the event exit parameter list (defined in the IXLYEEPL macro).

System Action: No action is taken as a result of this notification, but the problem which caused the ALTER to fail will probably result in other related problems.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0419 ALTER ended normally for CF structure strname but target was not attained.

Explanation: The queue server has been notified by the system that an ALTER request has ended normally but that the target ratio or target size was not attained.

System Action: New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHXQ0411 and DFHXQ0412 to indicate the new usage percentages.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0424 Connectivity has been lost to CF structure strname.

Explanation: The queue server has been notified by the system that connectivity has been lost to its list structure.

System Action: The server issues an internal CANCEL command to terminate itself immediately.

User Response: Restart the server when connectivity to the server from the current system has been reestablished. If connectivity is still available from other systems, CICS transactions which require access to the affected queue pool should be diverted to those systems if possible.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0425 CF structure strname has failed. The shared TS queue server cannot continue.

Explanation: The queue server has been notified by the system that its list structure has been lost due to coupling facility failure. All data in the queue pool has been lost.

System Action: Each queue server for the affected pool issues an internal CANCEL command to terminate itself immediately.

User Response: If another coupling facility is available and is included in the CFRM preference list for the failed structure, delete the failed structure and restart the servers to cause a fresh copy of the list structure to be allocated on the alternate coupling facility. If no other coupling facility is available, wait until the original coupling facility has been made available again before restarting the servers.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0431 Access statistics for CF structure strname:

Explanation: This message gives a summary of coupling facility access statistics. It is issued in response to a DISPLAY or PRINT command which includes the CFSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Index</th>
<th>Wrt</th>
<th>Adj</th>
<th>Writes</th>
<th>Reads</th>
<th>Deletes</th>
<th>Rereads</th>
<th>Read Adj</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data</td>
<td>Creates</td>
<td>Writes</td>
<td>Reads</td>
<td>Deletes</td>
<td>Rereads</td>
<td>Rewrites</td>
<td></td>
</tr>
<tr>
<td>Responses</td>
<td>Asynch</td>
<td>Normal</td>
<td>Len err</td>
<td>Not fnd</td>
<td>Vers chk</td>
<td>List chk</td>
<td></td>
</tr>
<tr>
<td>List full</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>Str full</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>1/0 err</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td></td>
</tr>
</tbody>
</table>

System Action: Processing continues.

User Response: The statistics are described in detail in the DFHXQ31D data area. For queues which do not exceed 32K bytes, the data is included in the queue index, otherwise it is stored as a separate list. The individual fields have the following meanings:
Index access counts:

- **Wrt Adj**: Number of index writes to update adjunct area only. (This area contains the read cursor for small queues and the queue status including last used data).
- **Writes**: Number of queue writes (new or update) including data.
- **Reads**: Number of queue index reads.
- **Delete**: Number of queue deletes.
- **Rereads**: Number of reads which had to be repeated because the data was larger than the default data transfer size.
- **Read Adj**: Number of index reads for the status area only. This is used for inquire processing, and also to read the queue details if necessary during delete processing.

Data access counts:

- **Creates**: Number of times a separate data list was created.
- **Writes**: Number of writes to add items to separate data lists.
- **Reads**: Number of reads from separate data lists.
- **Delete**: Number of times a separate data list was deleted.
- **Rereads**: Number of reads which had to be repeated because the data was larger than the default data transfer size.
- **Rewrites**: Number of writes to replace items in separate data lists.

Response counts:

- **Asynch**: Number of requests for which completion was asynchronous.
- **Normal**: Number of normal responses.
- **Len err**: The input buffer was too small to contain the data. The server often tries a buffer size of only 4K in order to use a synchronous read if possible. If this response occurs, the server sets up the maximum sized buffer and reissues the read.
- **Not fnd**: The specified entry (queue or item) was not found.
- **Vers chk**: A version check failed for an entry being updated or created, indicating that another task had updated it first.
- **List chk**: A list authority comparison failed, usually meaning that the queue is in the process of being deleted.
- **List full**: A queue reached the maximum number of items, causing the relevant list to be marked as full.
- **Str full**: The list structure became full.
- **I/O err**: Some other error code was returned by IXLLIST.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

---

**DFHXQ0432I Queue pool statistics for CF structure stname:**

**Explanation:** This message gives a summary of the usage statistics for the queue pool list structure. It is issued in response to a DISPLAY or PRINT command which includes the POOLSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Structure</th>
<th>Size</th>
<th>Max size</th>
<th>Elem size</th>
<th>Queues:</th>
<th>Current</th>
<th>Highest</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>nK</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Lists:</td>
<td>Total</td>
<td>In use</td>
<td>Max used</td>
<td>Control</td>
<td>Data</td>
<td></td>
</tr>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Entries:</td>
<td>Total</td>
<td>In use</td>
<td>Max used</td>
<td>Free</td>
<td>Min free</td>
<td>Min free</td>
</tr>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Elements:</td>
<td>Total</td>
<td>In use</td>
<td>Max used</td>
<td>Free</td>
<td>Min free</td>
<td>Min free</td>
</tr>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

**System Action:** Processing continues.

**User Response:** The statistics are described in detail in the DFHXQ1SD data area. Pool usage statistics are calculated from information returned by coupling facility requests, and are not always very accurate, especially if the relevant information has not been accessed recently by the current server. The individual fields have the following meanings:

- **Structure**:
  - **Size**: Current allocated size of the list structure.
  - **Max size**: Maximum size to which this structure could be altered.
  - **Elem size**: Data element size used for the structure.

- **Queues**:
  - **Current**: Number of queues currently in existence.
  - **Highest**: Highest number of queues at any time (since last reset).

- **Lists**:
  - **Total**: Maximum number of list headers in the structure.
  - **In Use**: Number currently in use.
  - **Max Used**: Maximum number in use (since last reset).
  - **Control**: Number of lists in use for control information.
  - **Data**: Number of lists in use for queue data.

- **Entries**:
  - **Total**: Total entries in the currently allocated structure. (Obtained at connection time, may be updated by ALTER).
  - **In Use**: Number of entries currently in use.
  - **Max Used**: Maximum number in use (since last reset).
  - **Free**: Number of entries currently free (total minus used).
  - **Min Free**: Minimum number of free entries (since last reset).

- **Elements**:
  - **Total**: Total data elements in the currently allocated structure. (Obtained at connection time, may be updated by ALTER).
  - **In Use**: Number of elements currently in use.
  - **Max Used**: Maximum number in use (since last reset).
DFHXQ0441

DFHXQ0441 CF structure strname request failed, IXLLIST return code retcode, reason code rsncode.

Explanation: A coupling facility access request issued via the IXLLIST macro gave an abnormal return code.

System Action: The failing request is given an I/O error indication, giving an IOERROR condition if it originated from a CICS API request.

User Response: See the IXLLIST macro in MVS/ESA Programming: Sysplex Services Reference (GC28-1496) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0442 CF structure strname request failed, structure is full.

Explanation: A coupling facility access request issued via the IXLLIST macro failed because there are insufficient free entries or elements to store the new data in the structure.

System Action: The failing request is given a NOSPACE indication if it originated from a CICS API request. For reload processing, if an automatic ALTER is in progress, the request may be suspended until the outcome of the ALTER is known, then retried. This message will not be issued again for further failures until the used numbers of elements and entries fall well below the warning threshold.

User Response: Any queues which are no longer in use should be deleted so that the space can be reused. If the structure is not at its maximum size, it may be possible to start an ALTER request to increase the size using the MVS SETXCF command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0443 CF structure strname request failed, all lists are in use.

Explanation: A coupling facility access request issued via the IXLLIST macro failed because all list headers defined in the structure are now in use. The number of list headers is determined by the MAXQUEUES server initialization parameter when the structure was allocated.

System Action: The failing request is given a NOSPACE indication if it originated from a CICS API request. This message will not be issued again for further failures while the shortage of list entries remains.

User Response: Any queues of total size greater than 32K bytes which are no longer in use should be deleted to free up data lists. As the number of lists is fixed when the structure is allocated, the only way to increase the number of lists is to unload the structure, use SETXCF FORCE to delete it then reload it with a larger MAXQUEUES parameter.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0444I CF request has been suspended to await ALTER completion.

Explanation: A coupling facility access request issued from the server address space (during reload processing) ran out of space in the list structure, but an automatic ALTER attempt to free up more space is either already active or is being started at this point. The request is therefore being suspended to await the outcome of the ALTER attempt.

System Action: The request is suspended until either the ALTER request completes (normally or abnormally), then the request is retried.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0445I CF request is being retried after ALTER completion.

Explanation: A request which was suspended to await the completion of an ALTER request is now being retried because the ALTER has either completed or failed.

System Action: The suspended request will be restarted.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF

DFHXQ0451 Purge for CF structure strname failed, IXLPURGE return code retcode, reason code rsncode.

Explanation: A queue access request was terminated abnormally and the queue server issued an IXLPURGE macro to ensure any active IXLLIST request was purged before releasing the I/O buffer, but the IXLPURGE macro gave a non-zero return code.

System Action: The error is ignored because this only occurs when a request is already being terminated abnormally.

User Response: See the IXLPURGE macro in MVS/ESA Programming: Sysplex Services Reference (GC28-1496) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQCF
DFHXQ0461I Disconnected from CF structure strname.

Explanation: The server has successfully disconnected from the CF structure (using the IXLDISC macro).

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0462 Disconnect from CF structure strname failed, IXLDISC return code retcode, reason code rsncode.

Explanation: The IXLDISC macro to disconnect the queue server from its coupling facility list structure failed.

System Action: The error is ignored, as disconnection only occurs when the server is already terminating.

User Response: See the IXLDISC macro in MVS/ESA Programming: Sysplex Services Reference (GC28-1496) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0501 Insufficient storage, only actual of requested data buffers allocated.

Explanation: The queue server was unable to allocate the specified number of data buffers (of 32K bytes) during initialization because the relevant storage pool (AXMPGANY) was exhausted.

System Action: The server is terminated.

User Response: Decrease the BUFFERS initialization parameter to a value less than the number which were successfully allocated (to leave plenty of storage for request processing) and restart the server. Alternatively, increase the region size for the queue server to allow more buffers to be allocated.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQBF

DFHXQ0511I Queue index buffer pool statistics:

Explanation: This message gives a summary of the usage statistics for the queue index buffer pool, which is used to read and write queue index entries and their associated data, and to save recently accessed index entries in storage to reduce coupling facility I/O. It is issued in response to a DISPLAY or PRINT command which includes the BUFSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

<table>
<thead>
<tr>
<th>Buffers:</th>
<th>Total</th>
<th>Max used</th>
<th>Active</th>
<th>On LRU</th>
<th>Empty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requests:</th>
<th>Gets</th>
<th>Puts</th>
<th>Keeps</th>
<th>Frees</th>
<th>Purges</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Results:</th>
<th>Got hit</th>
<th>Got free</th>
<th>Got new</th>
<th>Got LRU</th>
<th>No buff</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Errors:</th>
<th>Not freed</th>
<th>No purge</th>
<th>Not owned</th>
<th>Waits: Pool lock</th>
<th>Buf lock</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQBF

DFHXQ0601I Starting statistics collection for interval since lasttime.

Explanation: The queue server is about to collect interval, end of day or closedown statistics. This message identifies the start of the time interval to which the statistics apply, which is either the time that the server was started up or the time of the last reset, which occurs whenever interval or end of day statistics are produced.

System Action: The queue server proceeds with statistics collection.

User Response: None.
Note: This message cannot be changed with the message editing utility.
Destination: SYSPRINT
Module: DFHXQST

**DFHXQ0602I** Statistics collection completed, reset performed.

**Explanation:** Queue server statistics have been collected and counters have been reset. This occurs for interval or end of day statistics.

**System Action:** Processing continues.

**User Response:** None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHXQST

**DFHXQ0603I** Statistics collection completed.

**Explanation:** Queue server statistics have been collected but counters have not been reset. This normally occurs at server closedown.

**System Action:** Processing continues.

**User Response:** None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHXQST

**DFHXQ0604I** Timer SET failed, return code retcode, reason code rsncode.

**Explanation:** An attempt by the queue server statistics subtask to set up a timer wait interval failed.

**System Action:** The interval statistics function is terminated with message DFHXQ0606.

**User Response:** Check the return code and reason code. A return code of 4 indicates an attempt to set up more than one concurrent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM SET.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHXQST

**DFHXQ0605I** Timer CANCEL failed, return code retcode, reason code rsncode.

**Explanation:** An attempt by the queue server statistics subtask to cancel a timer wait interval failed.

**System Action:** The interval statistics function is terminated with message DFHXQ0606.

**User Response:** Check the return code and reason code. A return code of 4 indicates an attempt to cancel a nonexistent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM CANCEL.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQST

**DFHXQ0606I** Statistics collection function is no longer available.

**Explanation:** The queue server statistics collection subtask was unable to continue processing and has terminated. The reason will have been indicated by an earlier message.

**System Action:** The interval statistics subtask terminates and no further interval statistics or end of day statistics will be produced for this run of the server.

**User Response:** See the earlier message indicating the reason for the termination of the subtask.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQST

**DFHXQ0610I** Statistics written to SMF, return code retcode.

**Explanation:** Queue server statistics have been sent to SMF. The return code from the SMFEWTM macro is indicated in this message. A non-zero return code usually indicates that SMF recording was suppressed because of current SMF options or an installation exit.

**System Action:** Processing continues.

**User Response:** If the return code is non-zero but SMF statistics were expected to be successfully written, see the SMFEWTM macro in MVS/ESA System Management Facilities (SMF) (GC28-1457) for more information about return codes.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT
Module: DFHXQST

**DFHXQ0701I** Shared TS queue pool poolname is to be unloaded.

**Explanation:** The server program has been started with the UNLOAD option requesting that the queue pool is unloaded to a sequential data set.

**System Action:** The server starts to process the unload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

**User Response:** None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
Module: DFHXQST

**DFHXQ0702I** Shared TS queue pool poolname has been successfully unloaded.

**Explanation:** The queue pool has been unloaded successfully.

**System Action:** The server closes down normally.

**User Response:** None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT
DFHXQ0703I Number of unloaded queues: queues. Blocks written: blocks.

Explanation: This message provides additional information about the results of the unload process, giving the number of queues which were unloaded and the number of 4K data blocks written to the unloaded queue pool data set.

System Action: Server termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQUL

DFHXQ0704 DFHXQUL data set for unload could not be opened.

Explanation: The data set to contain the unloaded queue pool could not be opened.

System Action: Unload processing is terminated and the server is closed down with message DFHXQ0706.

User Response: Check that the DFHXQUL DD statement is present in the JCL for the unload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQUL

DFHXQ0705 Unload access to CF structure strname failed with response response.

Explanation: The unload process failed because of a problem with coupling facility access.

System Action: Unload processing is terminated and the server is closed down with message DFHXQ0706.

User Response: If the response code is 8, this indicates that an unexpected IXLIST error occurred, for which a previous error message will have been issued. Any other response code indicates an internal logic error.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQUL

DFHXQ0706 Unload for shared TS queue pool poolname was unsuccessful.

Explanation: The queue pool unload process failed. The reason will have been described in a previous message.

System Action: The server is terminated.

User Response: See the previous message giving the reason for the unload failure. Note that any unload data set produced in this case will be incomplete and will not be valid for reload purposes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

DFHXQ0801I Shared TS queue pool poolname is to be unloaded.

Explanation: The server program has been started with the RELOAD option requesting that the queue pool is to be unloaded from a sequential data set produced using the UNLOAD option.

System Action: The server starts to process the unload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQUL

DFHXQ0802I Shared TS queue pool poolname has been successfully reloaded.

Explanation: The queue pool has been reloaded successfully.

System Action: The server closes down normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL


Explanation: This message provides additional information about the results of the reload process. Queues on the unloaded data set are bypassed during reload processing if they already exist in the pool (for example as a result of a previous reload which could not be completed due to lack of space).

System Action: Server termination processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

DFHXQ0804 DFHXQRL data set for reload could not be opened.

Explanation: The data set containing the queue pool to be reloaded could not be opened.

System Action: Reload processing is terminated and the server is closed down with message DFHXQ0808.

User Response: Check that the DFHXQRL DD statement is present in the JCL for the reload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

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DFHXQ0805 Reload access to CF structure *strname* failed with response *response*.

**Explanation:** The reload process failed because of a problem with coupling facility access.

**System Action:** Reload processing is terminated and the server is closed down with message DFHXQ0808.

**User Response:** If the response code is 8, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHXQ0441 will have been issued. Any other response code indicates an internal logic error.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQRL

---

DFHXQ0806 Unexpected end of file encountered on reload data set.

**Explanation:** End of file was encountered on the unloaded data set before the logical end of the unloaded data was encountered.

**System Action:** Reload processing is terminated and the server is closed down with message DFHXQ0808.

**User Response:** This indicates that the unloaded data set is incomplete, perhaps because the unload process was abnormally terminated.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQRL

---

DFHXQ0807 Reload data set contains incorrect data near block *block*, offset *offset*.

**Explanation:** The reload process failed because the unloaded queue pool data set is not in the correct format.

**System Action:** Reload processing is terminated and the server is closed down with message DFHXQ0808.

**User Response:** Check that the correct data set is being used and that the unload process completed normally.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQRL

---

DFHXQ0808 Reload for shared TS queue pool *poolname* was unsuccessful.

**Explanation:** The queue pool reload process could not be completed. The reason will have been described in a previous message.

**System Action:** The program is terminated.

**User Response:** See the previous message giving the reason for the reload failure.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQRL

---

DFHXQ0809 Reload for CF structure *strname* failed, structure is full.

**Explanation:** Reload processing failed because there are insufficient free entries or elements to store the new data in the structure.

**System Action:** Reload processing is terminated and the server is closed down with message DFHXQ0808.

**User Response:** If the structure is not at its maximum size, use the MVS SETXCF FORCE to delete the structure, then change the reload parameters to specify a larger POOLSIZE parameter and rerun the reload job. The approximate amount of information which could not be reloaded can be estimated by comparing the numbers of blocks read and queues reloaded, as described by following message DFHXQ0803, with the corresponding numbers from message DFHXQ0703 in the unload job.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQRL

---

DFHXQ0810 Reload for CF structure *strname* failed, all lists are in use.

**Explanation:** Reload processing failed because all list headers defined in the structure are now in use.

**System Action:** Reload processing is terminated and the server is closed down with message DFHXQ0808.

**User Response:** Use the MVS SETXCF FORCE to delete the structure, then change the reload MAXQUEUES parameter to a large value and rerun the reload job.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** Console and SYSPRINT

**Module:** DFHXQRL

---

DFHXQ0911I R12=prv RQ Entry *function* Len=*len* Item=*itemnum* Q=*qname* Task=*tasknum* region

**Explanation:** Request tracing is active and a request is being traced on entry to the request module DFHXQRQ.

**System Action:** Processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHXQRQ

---

DFHXQ0912I R12=prv RQ Exit response Len=*len* Item=*itemnum* Q=*qname* Task=*tasknum* region

**Explanation:** Request tracing is active and a request is being traced on exit from the request module DFHXQRQ.

**System Action:** Processing continues.

**User Response:** None.

**Note:** This message cannot be changed with the message editing utility.

**Destination:** SYSPRINT

**Module:** DFHXQRQ
DFHXQ0913I  R12=prv RQ Qname  hex  qname  
Explanation:  Request tracing is active and the queue name to be traced contained unprintable symbols. This message shows the same queue name in hexadecimal format.
System Action:  Processing continues.
User Response:  None.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHXQRQ

DFHXQ0921I  R12=prv IQ Entry INQUIRE  browsetype  Q=qname  
Task=tasknum  region  
Explanation:  Request tracing is active and a request is being traced on entry to the inquire module DFHXQIQ.
System Action:  Processing continues.
User Response:  None.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHXQIQ

DFHXQ0922I  R12=prv IQ Exit  response  Q=qname  Task=tasknum  region  
Explanation:  Request tracing is active and a request is being traced on exit from the inquire module DFHXQIQ.
System Action:  Processing continues.
User Response:  None.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHXQIQ

DFHXQ0923I  R12=prv IQ Qname  hex  qname  
Explanation:  Request tracing is active and the queue name to be traced contained unprintable symbols. This message shows the same queue name in hexadecimal format.
System Action:  Processing continues.
User Response:  None.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHXQIQ

DFHXQ0941I  R12=prv CF Entry  request  optflgs  modflgs  
BD=bufdesc  Item=itemnum  Q=qname  
Explanation:  CF access tracing is active and a request is being traced on entry to the CF request module DFHXQCF.
System Action:  Processing continues.
User Response:  None.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHXQCF

DFHXQ0942I  R12=prv CF IXLLIST  Cmd=cmdcode  Flg=shlflgs  
List=listnum  Rsn=reason  
Explanation:  CF access tracing is active and the result from an IXLLIST macro is being traced.
System Action:  Processing continues.
User Response:  None.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHXQCF

DFHXQ0943I  R12=prv CF Exit  response  Items=items  
Item=itemnum  Q=qname  
Explanation:  CF access tracing is active and a request is being traced on exit from the CF request module DFHXQCF.
System Action:  Processing continues.
User Response:  None.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHXQCF

DFHXQ0944I  R12=prv CF Qname  hex  qname  
Explanation:  CF access tracing is active and the queue name to be traced contained unprintable symbols. This message shows the same queue name in hexadecimal format.
System Action:  Processing continues.
User Response:  None.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  DFHXQCF

DFHXQ0999I  Trace  text  
Explanation:  This message is used for non-specific debugging traces in multiple modules, for use by service personnel. It should not appear in normal execution unless debugging traces were deliberately activated.
System Action:  Processing continues.
User Response:  None.
Note:  This message cannot be changed with the message editing utility.
Destination:  SYSPRINT
Module:  various
DFHSxxxx messages

DFHS0001 applid An abend (code aaaa/bbbb) has occurred at offset X'offset' in module modname.

Explanation: An abnormal end (abend) or program check has occurred in module modname. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code aaaa/bbbb is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DPHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS. Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console

Modules: DFHXSAD, DFHXSC, DFHXSDM, DFHXSFL, DFHXSI, DFHXSLU, DFHXSPP, DFHXSRC, DFHXST, DFHXSXM

XMEOUT Parameters: applid, X'code', modname

DFHS0004 applid A possible loop has been detected at offset X'offset' in module modname.

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Chapter 1. DFH messages

**DFHXS0006**  
**applid** Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

**Explanation:** An MVS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' identifies the place where the error was detected.

The code mvscode is the MVS GETMAIN return code.

**System Action:** An exception entry is made in the trace table (code X'code'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.

**Destination:** Console

**Modules:** DFHXSDAD, DFHXSC, DFHXSDM, DFHXSFL, DFHXSS, DFHXSLU, DFHXSPW, DFHXSR, DFHXST, DFHXSM

**XMEOUT Parameters:** applid, X'offset', modname

---

**DFHXS0202I** date time applid An attempt to track external security initialization has failed, tracking data could not be sent.

**Explanation:** An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD). It has not been tracked to an alternate system because the tracking data could not be sent.

**System Action:** CICS provides a system dump of the active system, and continues tracking security initializations.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** The security characteristics of the alternate will no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

Use the return codes in the message, to determine why the security initialization failed.

If the codes are invalid, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHXSWM

**XMEOUT Parameters:** date, time, applid, X'xxx', X'yy'

---

**DFHXS0006**  
**date time applid** External security initialization has been tracked, and has failed with return code X'xx' and reason code X'yy'.

**Explanation:** An external security initialization was performed on an active CICS system by use of a CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD. The external security initialization has been tracked to the XRF alternate system, but has failed with return code xx and reason code yy.

**System Action:** CICS provides a system dump of the XRF alternate system, and continues tracking security initializations.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** The security characteristics of the alternate system no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

Use the return codes in the message, to determine why the security initialization failed.

If the codes are invalid, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:** DFHXSWM

**XMEOUT Parameters:** date, time, applid, X'xxx', X'yy'

---

**DFHXS0202I** date time applid An attempt to track external security initialization has failed, tracking data could not be sent.

**Explanation:** An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD). It has not been tracked to an alternate system because the tracking data could not be sent.

**System Action:** CICS provides a system dump of the active, and continues tracking security initializations.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** The security characteristics of the alternate will no longer match those of the active. Either shut down the alternate, perform a security rebuild at takeover, or accept the difference.

**Destination:** CSCS

**Module:** DFHXSWM

**XMEOUT Parameters:** date, time, applid

---

**DFHXS0006**  
**applid** Insufficient storage to satisfy Getmain (code X'code') in module modname. MVS code mvscode.

**Explanation:** An MVS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code mvscode is the MVS GETMAIN return code.

**System Action:** An exception entry is made in the trace table (code X'code'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module modname, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the CICS System Definition Guide or the CICS Performance Guide for further information on CICS storage.

**Destination:** Console

**Modules:** DFHXSDAD, DFHXSC, DFHXSDM, DFHXSFL, DFHXSS, DFHXSLU, DFHXSPW, DFHXSR, DFHXST, DFHXSM

**XMEOUT Parameters:** applid, X'offset', modname, mvscode

---

**DFHXS0202I** date time applid An attempt to track external security initialization has failed, tracking data could not be sent.

**Explanation:** An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD). It has not been tracked to an alternate system because the tracking data could not be sent.

**System Action:** CICS provides a system dump of the active, and continues tracking security initializations.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** The security characteristics of the alternate will no longer match those of the active system. Either shut down the alternate, perform a security rebuild at takeover, or accept the difference.

**Destination:** CSCS

**Module:** DFHXSWM

**XMEOUT Parameters:** date, time, applid
DFHSX0203 date time applid An attempt to track external security initialization has failed, tracking data could not be received.

Explanation: An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD).

The external security initialization has not been tracked to an alternate system because the tracking data could not be received.

Message DFHME0116 is normally produced containing the symptom string for this problem.

System Action: CICS provides a system dump of the alternate system, and ceases to track the security initializations.

User Response: The security characteristics of the alternate system no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

Destination: CSCS
Module: DFHXSWM
XMEOUT Parameters: date, time, applid

DFHSX0204 date time applid An attempt to track external security initialization has failed, tracking data was corrupted.

Explanation: An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD).

It has been tracked to an alternate system but the tracking data was corrupted in transit.

System Action: CICS provides a system dump of the alternate systems, and ceases to track the security initializations.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The security characteristics of the alternate system no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

Destination: CSCS
Module: DFHXSWM
XMEOUT Parameters: date, time, applid

DFHSX1101I applid Security initialization has ended.

Explanation: This is an informational message indicating that security domain initialization has completed successfully.

System Action: System initialization continues.

User Response: None.

This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console
Module: DFHXSDM
XMEOUT Parameter: applid

DFHSX1102I applid Security is inactive.

Explanation: This is an informational message indicating that security is not active.

System Action: System initialization continues.

User Response: None.

This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console
Module: DFHXSDM
XMEOUT Parameter: applid

DFHSX1103I applid Default security for userid dfltuser has been established.

Explanation: CICS has established a security environment for the default userid dfltuser.

System Action: The authorities that are assigned to this userid by the external security manager will be used in CICS resource checks whenever no other userid has been established.

User Response: None.

Destination: Console Routecodes 2, 9 and 11
Module: DFHXSDM
XMEOUT Parameters: applid, dfltuser

DFHSX1104 applid Default security could not be established for userid dfltuser. The security domain cannot continue, so CICS is terminated. SAF codes are (X'safresp', X'safreas'). ESM codes are (X'esmresp', X'esmreas').

Explanation: CICS could not establish a security environment for the default userid dfltuser. The security domain cannot continue without a default user. The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY macro.

System Action: CICS terminates.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=VERIFY operation failed. Then, either correct the errors for the failing default user and restart CICS, or restart CICS with a different default userid.

Destination: Console Routecodes 2, 9, 10 and 11
Module: DFHXSDM
XMEOUT Parameters: applid, dfltuser, X'safresp', X'safreas', X'esmresp', X'esmreas'
Chapter 1. DFH messages

**DFHXS1105 appld** Resource profiles for class **classname** have been built.

Explanation: The security resource profiles for the class **classname** have been successfully loaded into storage by the external security manager.

System Action: The profiles are used in subsequent resource checks to determine users' authorizations to access resources in the named class.

User Response: None.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSRC

XMEOUT Parameters: appld, classname

**DFHXS1106 appld** Resource profiles could not be built for class **classname**. CICS is terminated. SAF codes are (X'safresp',X'safreas'), ESM codes are (X'esmresp',X'esmreas').

Explanation: The security resource profiles for the class **classname** could not be loaded into storage by the external security manager. The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=LIST macro.

The build of the profiles was requested by one of the following:

- The initialization of the security domain
- The CEMT command PERFORM SECURITY REBUILD
- A user-supplied transaction invoking the EXEC CICS PERFORM SECURITY REBUILD command.

System Action: CICS is unable to provide reliable resource security, so it terminates.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=LIST operation failed. Rectify the problem in the external security manager, then restart CICS.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSRC

XMEOUT Parameters: appld, classname, X'safresp', X'safreas', X'esmresp', X'esmreas'

**DFHXS1107 appld** Partner-LU profiles for class APPCLU have been built.

Explanation: The partner-LU profiles for the class APPCLU have been successfully loaded into storage by the external security manager.

System Action: The profiles are used in subsequent bind authorization checks for LU6.2 sessions whose CONNECTION definition specifies BINDSECURITY(YES).

User Response: None.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSRC

XMEOUT Parameter: appld

**DFHXS1108 appld** Partner-LU profiles could not be built for class APPCLU. SAF codes are (X'safresp',X'safreas'). ESM codes are (X'esmresp',X'esmreas').

Explanation: The partner-LU profiles for the class APPCLU could not be loaded into storage by the external security manager. CICS therefore has no APPCLU security profiles. The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=LIST macro.

The build of the profiles was requested by one of the following:

- The initialization of VTAM support in terminal control
- The CEMT command SET VTAM OPEN
- The CEMT command PERFORM SECURITY REBUILD
- A user-supplied transaction invoking the EXEC CICS SET VTAM OPEN command.
- A user-supplied transaction invoking the EXEC CICS PERFORM SECURITY REBUILD command.

System Action: If the failure occurs during CICS initialization or PERFORM SECURITY REBUILD, CICS terminates. If the failure occurs during SET VTAM OPEN, the VTAM ACB is closed and CICS continues.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=LIST operation failed. Rectify the problem in the external security manager, then restart CICS.

Destination: Console Routecodes 2, 9, 10 and 11

Modules: DFHXSIS, DFHXSRC

XMEOUT Parameters: appld, X'safresp', X'safreas', X'esmresp', X'esmreas'

**DFHXS1109 appld** APPC PROFILE profile COULD NOT BE AUDITED. SAF CODES ARE (X'safresp',X'safreas'). ESM CODES ARE (X'esmresp',X'esmreas').

Explanation: An audit request for a partner-LU verification check has failed for profile profile.

During the start-up of an APPC session, each partner can validate the other. During this validation process, the system:

- Retrieves the relevant APPCLU profile from the external security manager
- Checks that the session key is still usable
- Requests the external security manager to write audit records concerning this profile and the validation to the system management facility (SMF).

The following events are audited:

- Whether the session partner was correctly validated
- Whether the session partner failed validation
- Whether the session key will expire in less than six days
- Whether the retrieved profile is "locked"
- Whether the session key is null, or all zero
- Whether the session key has expired.

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=AUDIT macro.
DFHXS1110 applid Security is requested, but the external security manager is inactive.

**Explanation:** Security was requested for this region, but the external security manager (ESM) was found to be inactive. The SEC system initialization parameter was specified as YES or left as its default value. CICS cannot initialize its security manager unless the ESM is active.

**System Action:** CICS terminates.

**User Response:** If you have an ESM installed on your system, ensure that it is active before attempting to start CICS. Otherwise, restart CICS without security by specifying SEC=NO as a system initialization parameter. Note that the SEC parameter cannot be entered as a console override.

**Destination:** Console Routecodes 1, 9, 10 and 11

**Module:** DFHXSSB

**XMEOUT Parameter:** applid

---

DFHXS1111 date time applid tranid Security violation by user userid at netname | at console | portname for resource resource in class classname. SAF codes are (X'safresp', X'safreas'). ESM codes are (X'esmresp', X'esmreas').

**Explanation:** CICS has detected a security violation by user userid while performing an authority check for resource resource in class classname.

If the userid causing the violation is signed on at a VTAM terminal, the phrase “at netname portname” reports the netname at which the violation occurred. If the userid causing the violation is signed on at a console, the phrase “at console portname” reports the console name at which the violation occurred. If the userid causing the violation is not signed on or this is a non terminal task, the entry port does not appear in this message as it is not available.

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=FASTAUTH or RACROUTE REQUEST=AUTH macros. These return codes are described in the OS/390 MVS Programming: Authorized Assembler Services Guide and in External Security Interface (RACROUTE) Macro Reference for MVS and VM (SC28-1366).

CICS can also issue this message when you use the EXEC CICS QUERY SECURITY command with the LOGMESSAGE(LOG) option.

**System Action:** CICS abnormally terminates the task requesting the invalid access except under one of the following conditions:

- The command is issued within the scope of an EXEC CICS HANDLE NOTAUTH command.

**User Response:** Use the external security manager codes to determine why the RACROUTE REQUEST=AUDIT operation failed. Correct the problem in the external security manager, then perform a security rebuild, if appropriate.

**Destination:** Console Routecodes 1, 9, 10 and 11

**Module:** DFHXSIS

**XMEOUT Parameters:** applid, X'safresp', X'safreas', X'esmresp', X'esmreas'

---

DFHXS1112 applid The CICS region userid and groupid could not be determined. SAF codes are (X'safresp', X'safreas'). ESM codes are (X'esmresp', X'esmreas').

**Explanation:** CICS could not determine the userid and groupid for this CICS region.

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=EXTRACT macro.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**User Response:** Use the external security manager codes to determine why the RACROUTE REQUEST=EXTRACT operation failed. Then, either correct the errors for the failing region userid and groupid, and restart CICS, or restart CICS with a different userid and groupid.

**Destination:** Console Routecodes 2, 9, 10 and 11

**Module:** DFHXSIS

**XMEOUT Parameters:** applid, X'safresp', X'safreas', X'esmresp', X'esmreas'

---

DFHXS1113 applid The region userid cannot access system transaction tranid. CICS will terminate. SAF codes are (X'safresp', X'safreas'). ESM codes are (X'esmresp', X'esmreas').

**Explanation:** The region userid for this CICS system is not authorized to attach the system transaction tranid. It is a CICS requirement that the region userid must be able to access this transaction.

The response and reason codes (safresp and safreas) returned by the system authorization facility (SAF), and the response and reason codes (esmresp and esmreas) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=FASTAUTH or AUTH macro.

**System Action:** CICS terminates.

**User Response:** Authorize the CICS region userid to access all the required CICS system transactions, or specify a different region userid that does have the required authority. (The required transactions are documented as the 'Category 1' transactions in the CICS RACF Security Guide. To authorize the region userid to use these transactions, you should execute the sample clist DFHSCAT1, as described in the CICS Transaction Server for OS/390 Installation Guide.) Then restart CICS.

**Destination:** Console Routecodes 2, 9, 10 and 11

**Module:** DFHXSRC
XMEOUT Parameters: applid, tranid, X'safresp', X'safreas', X'esmresp', X'esmreas'

DFHXS1201  date time applid  The password supplied in the verification request for userid userid was invalid. This occurred in transaction tranid when userid userid was signed on at netname netname.

Explanation:  An invalid password was supplied for user verification.

System Action:  CICS continues. No dump is taken.

User Response:  Contact your security administrator for assistance.

Destination:  CSCS
Module:  DFHXSPW
XMEOUT Parameters:  date, time, applid, userid, tranid, netname

DFHXS1202  date time applid  The password supplied in the verification request for userid userid has expired. This occurred in transaction tranid when userid userid was signed on at netname netname.

Explanation:  An expired password was supplied for user verification.

System Action:  CICS continues. No dump is taken.

User Response:  Change the password using the CICS signon process, the EXEC CICS CHANGE PASSWORD API, or any other method available to you. Alternatively, contact your security administrator for assistance.

Destination:  CSCS
Module:  DFHXSPW
XMEOUT Parameters:  date, time, applid, userid, tranid, userid, netname

DFHXS1203  date time applid  The userid userid supplied in the verification request for userid userid is revoked. This occurred in transaction tranid when userid userid was signed on at netname netname.

Explanation:  A revoked userid was supplied for user verification.

System Action:  CICS continues. No dump is taken.

User Response:  Contact your security administrator for assistance.

Destination:  CSCS
Module:  DFHXSPW
XMEOUT Parameters:  date, time, applid, userid, tranid, userid, netname

DFHXS1205  date time applid  The userid userid supplied in a change password request for userid userid is not defined in the ESM. This occurred in transaction tranid whenuserid userid was signed on at netname netname.

Explanation:  An undefined userid was supplied for user verification.

System Action:  CICS continues. No dump is taken.

User Response:  Contact your security administrator for assistance.

Destination:  CSCS
Module:  DFHXSPW
XMEOUT Parameters:  date, time, applid, userid, tranid, netname

DFHXS1211  date time applid  The password supplied in a change password request for userid userid was invalid. This occurred in transaction tranid when userid userid was signed on at netname netname.

Explanation:  An invalid password was supplied for change password processing.

System Action:  CICS continues. No dump is taken.

User Response:  Supply the correct password or contact your security administrator for assistance. If you continue to supply incorrect passwords, the userid may be revoked by the external security manager. A revoked userid can only be reinstated by a security administrator.

Destination:  CSCS
Module:  DFHXSPW
XMEOUT Parameters:  date, time, applid, userid, tranid, userid, netname

DFHXS1213  date time applid  The userid userid supplied in a change password request for userid userid is revoked. This occurred in transaction tranid when userid userid was signed on at netname netname.

Explanation:  A revoked userid was supplied on a password change request.

System Action:  CICS continues. No dump is taken.

User Response:  You should have the userid reinstated before it can be used. Contact your security administrator for assistance.

Destination:  CSCS
Module:  DFHXSPW
XMEOUT Parameters:  date, time, applid, userid, tranid, userid, netname

DFHXS1214  date time applid  The new password supplied in a change password request for userid userid was not accepted. This occurred in transaction tranid when userid userid was signed on at netname netname.

Explanation:  An invalid new password was supplied on a password change request.

System Action:  CICS continues. No dump is taken.

User Response:  Select a suitable new password and try again. If necessary, contact your security administrator for assistance.

Destination:  CSCS
Module:  DFHXSPW
### DFHXS1215

**XMEOUT Parameters:** \( \text{date, time, applid, userid, tranid, userid, netname} \)

**Explanation:** An undefined userid was supplied on a password change request.

**System Action:** CICS continues. No dump is taken.

**User Response:** Contact your security administrator for assistance.

**Destination:** CSCS

**Module:** DFHXSPW

**XMEOUT Parameters:** \( \text{date, time, applid, userid, tranid, userid, netname} \)

### DFHXS1216

**XMEOUT Parameters:** \( \text{date, time, applid, userid, tranid, userid, netname} \)

**Explanation:** The userid supplied on a password change request is revoked in the ESM connection to the default group.

**System Action:** CICS continues. No dump is taken.

**User Response:** Contact your security administrator for assistance.

**Destination:** CSCS

**Module:** DFHXSPW

**XMEOUT Parameters:** \( \text{date, time, applid, userid, tranid, userid, netname} \)

### DFHXS1217

**XMEOUT Parameters:** \( \text{date, time, applid, userid, tranid, userid, netname} \)

**Explanation:** A client using the client authentication protocol of Secure Sockets Layer has presented a valid X.509 client certificate and a valid userid and password. CICS has successfully registered the certificate with the specified userid.

**System Action:** The certificate is permanently associated with the specified user in the external security manager database.

**User Response:** Whenever the client certificate is used again, the userid will be assigned to it without further prompting for a userid and password.

**Destination:** CSCS

**Module:** DFHXSPW

**XMEOUT Parameters:** \( \text{date, time, applid, userid} \)

### DFHZC0001

**Explanation:** An abend (code aaa/bbbb) has occurred at offset X’offset’ in module modname.

**System Action:** An exception entry is made in the trace table. CICS continues unless you have specified in the dump table that a system dump is taken, unless you have specifically suppressed dumps in the dump table.

**User Response:** Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the OS/390 MVS System Codes manual.

Next, look up the CICS abend code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module modname you should bring CICS down in a controlled shutdown.

For further information about code, see the CICS Problem Determination Guide.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

### DFHZCxxxx messages

Messages that are generated because the VTAM SYNAD and LERAD exits have been entered are followed by VTAM RETURN CODE xxyy where xx is the VTAM recovery action return code and yy is the VTAM specific error return code, each obtained from fields of the RPL.

Messages that are generated because system or user sense data has been received, are followed by SENSE RECEIVED xxyy zzzz where xx is the VTAM system sense information byte, yy is the VTAM system sense modifier byte, and zzzz represents 2 bytes of user sense information.

Values for xx, yy, and zzzz are hexadecimal. The VTAM system sense information byte, xx, can have the following values:

- x, meaning
- X’00’ User sense data only (see zzzz)
- X’08’ Request reject
- X’10’ Request error
- X’20’ State error
- X’40’ Request header (RH) usage error
- X’80’ Path error

For the meaning of yy, see the SNA Formats manual.

The sense insert is not included in DFHZCxxxx messages when no meaningful feedback is available.

The instance field on some DFHZCxxxx messages is for IBM internal use only.
**DFHZC0002 applid A severe error (code X'code') has occurred in module modname.**

**Explanation:** An error has been detected in module modname. The code X'code' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

**System Action:** An exception entry (code X'code' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

**CICS continues unless you have specified in the dump table that CICS should terminate.** If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module modname is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module modname, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Modules:** DFHZGCA, DFHZGCC, DFHZGDN, DFHZGDA, DFHZGPC, DFHZGRP, DFHZGSL, DFHZGUB

**XMEOUT Parameters:** applid, X'code', modname

**DFHZC0003 applid Insufficient storage (code X'code') in module modname.**

**Explanation:** A CICS GETMAIN was issued by module modname, but there was insufficient storage available to satisfy the request.

The code X'code' is the exception trace point ID which uniquely identifies the place where the error was detected.

**System Action:** An exception entry is made in the trace table (code X'code' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller A message will be issued to this effect. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Inform the system programmer.

Try increasing the size of the DSA or EDSA. See the CICS System Definition Guide or the CICS Performance Guide for more information on CICS storage.

**Destination:** Console

**Modules:** DFHTCRP, DFHZGRP

**XMEOUT Parameters:** applid, X'code', modname

**DFHZC0004 applid A possible loop has been detected at offset X'offset' in module modname.**

**Explanation:** A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module modname at offset X'offset'. This is the offset of the instruction which was executing at the time the error was detected.

**System Action:** An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dump in the dump table.

**CICS continues unless you have specified in the dump table that CICS should terminate.** If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module modname in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module modname has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module modname, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** Console

**Module:**

**XMEOUT Parameters:** applid, X'offset', modname

**DFHZC0101I date time applid A predatory takeover has forced VTAM to allow another application to open the ACB which CICS was using.**

**Explanation:** A predatory takeover is occurring. This means that a job is initializing which has the same applid as the CICS system. This initiates a takeover of the network. As a normal part of this process, VTAM drives the TPEND exit.

**System Action:** All requests on VTAM sessions are abnormally terminated and the sessions closed. The VTAM ACB is then opened by the application which is using the same APPLID as the CICS region. The new system recovers any persisting sessions.

**User Response:** If this takeover of the network was unintentional, you can prevent it happening in future by using RACF to protect the APPLID. Refer to the VTAM application security section in the VTAM Network Implementation Guide, SC31-6434 for details of how to do this.
DFHZC0110

**Destination:** Console and Transient Data Queue CSNE  
**Module:** DFHZNCA  
**XMEOUT Parameters:** date, time, applid

**Explanation:** A node initialization block (NIB) has been passed to CICS by VTAM during a persistent sessions restart. An attempt was made by CICS to match the NIB to a session TCTTE. The reason code explains the cause of the mismatch.

**Reason** | **Explanation**
---|---
1 | Single/parallel session indication did not match.
2 | LU type did not match.
3 | LU type and single/parallel session did not match.

**System Action:** The attempt to match a persisting session with a TCTTE has failed. The session is unbound. CICS ignores this session and continues with the next session if there is one.

**User Response:** None.

**Destination:** CSNE  
**Module:** DFHZGPC  
**XMEOUT Parameters:** date, time, applid, sessid, X’n’

DFHZC0111

**Explanation:** During persistent sessions restart VTAM has returned more node initialization blocks (NIBs) than the current CNOS session limit values require. This is probably because a CNOS from a high session limit to a lower session limit was in progress when CICS failed.

**System Action:** The process NIB function is terminated. The session is unbound. CICS ignores this session and continues with the next session if there is one. This situation has no effect on the restored CICS. The last catalogued CNOS values are restored.

**User Response:** None.

**Destination:** CSNE  
**Module:** DFHZGPR  
**XMEOUT Parameters:** applid, icount, spcount, stcount

DFHZC0112

**Explanation:** An error has occurred during persistent sessions restart. VTAM passed a NIB to CICS containing the named modename, but CICS was unable to locate the corresponding TCTME.

**System Action:** The attempt to match the NIB to a TCTTE is terminated. The session is unbound. A system dump is produced.

**Explanation:** A node initialization block (NIB) has been passed to CICS by VTAM during a persistent sessions restart. An attempt was made by CICS to match the NIB to a session TCTTE. The reason code explains the cause of the mismatch.

**Reason** | **Explanation**
---|---
1 | Single/parallel session indication did not match.
2 | LU type did not match.
3 | LU type and single/parallel session did not match.

**System Action:** The attempt to match a persisting session with a TCTTE has failed. The session is unbound. CICS ignores this session and continues with the next session if there is one. This situation has no effect on the restored CICS. The last catalogued CNOS values are restored, but the named modgroup cannot be recovered.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSNE  
**Module:** DFHZGPC  
**XMEOUT Parameters:** date, time, applid, sysid, modename

DFHZC0120

**Explanation:** CICS is initializing with a cold or initial start, but some VTAM sessions have persisted from a previous CICS with a nonzero PSDI value.

CICS has attempted to terminate all persisting sessions. The message inserts are as follows:

- `icount` is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- `spcount` is the number of VTAM sessions that persisted.
- `stcount` is the number of sessions that CICS has terminated with a CLSDST or TERMSESS macro. This should be equal to `spcount`. If it is not, persistent session recovery probably failed. Earlier messages explain why.

If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

**System Action:** CICS continues.

**User Response:** None.

**Destination:** Console  
**Module:** DFHZGRP  
**XMEOUT Parameters:** applid, icount, spcount, stcount

DFHZC0121

**Explanation:** CICS is initializing with a WARM start, but some VTAM sessions unexpectedly persisted from a previous CICS with a nonzero PSDI value.

CICS has attempted to terminate all persisting sessions. The message inserts are as follows:

- `icount` is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- `spcount` is the number of VTAM sessions that persisted.
- `stcount` is the number of sessions that CICS has terminated with a CLSDST or TERMSESS macro. This should be equal to `spcount`. If it is not, persistent session recovery probably failed. Earlier messages explain why.

If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

**System Action:** CICS continues.
**DFHZC0122I** applid VTAM sessions persisted for an EMERGENCY, XRF=YES start. Sessions terminated. Inquires issued icount, sessions persisting spcount, sessions terminated stcount.

**Explanation:** CICS is initializing with an EMERGENCY start, but XRF = YES has been specified and some VTAM sessions persisted unexpectedly from a previous CICS with a nonzero PSID value.

CICS has attempted to close all persisting sessions. The message inserts are as follows:

- `icount` is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- `spcount` is the number of VTAM sessions that persisted.
- `stcount` is the number of sessions that CICS has terminated with a CLSDST or TERMSESS macro. This should be equal to `spcount`. If it is not, persistent session recovery probably failed. Earlier messages explain why.

If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

**System Action:** CICS continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHZGRP

**XMEOUT Parameters:** applid, icount, spcount, stcount

---

**DFHZC0123I** applid VTAM sessions persisted when OPEN VTAM ACB issued. Sessions terminated. Inquires issued icount, sessions persisting spcount, sessions terminated stcount.

**Explanation:** The VTAM ACB has been opened while CICS is running, however some VTAM sessions persisted either from a previous CICS with a nonzero PSID value, or when the VTAM ACB was closed.

Persisting sessions have been terminated. The message inserts are as follows:

- `icount` is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- `spcount` is the number of VTAM sessions that persisted.
- `stcount` is the number of sessions that CICS terminated with a CLSDST or TERMSESS macro. This should be equal to `spcount`. If it is not, persistent session recovery probably failed. Earlier messages explain the reason.

If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

**System Action:** CICS continues.

**User Response:** None.

**Destination:** Console

**Module:** DFHZGRP

**XMEOUT Parameters:** applid, icount, spcount, stcount

---

**DFHZC0125I** date time applid netname persistent session will be terminated, sense (instance) Module name: (DFHZGRP)

**Explanation:** CICS was initializing with an EMERGENCY start and some VTAM sessions persisted from a previous CICS with a nonzero PSID value.

However, the session with a NETNAME of `netname` is terminated.

**System Action:** An AP exception trace with a point ID as above is issued. The session is terminated and CICS continues.

**User Response:** The exception trace point identifies where the message was issued and determines the action to take.

**Destination:** CSNE

**Module:** DFHZGRP

**XMEOUT Parameters:** date, time, applid, netname, sense, instance, (1=DFHZGRP, 2=DFHZGRP, 3=DFHZGRP)
DFHZC0126I applid No VTAM sessions persisted for an EMERGENCY restart.

Explanation: CICS was initializing with an EMERGENCY start but no VTAM sessions persisted from a previous CICS run. Possible reasons are:
- No persistence was specified in the previous run.
- CICS crashed with the ACB open but no sessions were in use.
- The PSDI value expired.
- An error occurred before DFHZGRP could determine if any sessions persist.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: applid

---

DFHZC0127 applid Cannot reestablish persisting sessions - VTAM ACB is closed. Code: X'code'. Module name: X'module'

Explanation: The VTAM ACB has been opened and CICS is processing VTAM persisting sessions, however the ACB was closed, or is being closed by operator action before all the sessions could be restored or terminated.

System Action: CICS continues to close the VTAM ACB and then runs without VTAM support.

User Response: Determine why the operator closed the ACB and either continue without VTAM, dynamically open the ACB, or shut CICS down normally and restart it.

X'code' is the AP exception trace entry that determines which VTAM macro diagnosed the ACB as being closed and where it was issued.

Destination: Console

Modules: DFHZGRP DFHZGUB

XMEOUT Parameters: applid, X'rc', X'fd', X'code'

---

DFHZC0128 applid Cannot reestablish persisting sessions - VTAM not responding. Module name: X'module'

Explanation: CICS is processing VTAM persisting sessions. However it has issued a VTAM macro and has waited for 8 minutes for the response.

System Action: If this occurs during start up, CICS terminates. If this occurs during dynamic open, the VTAM ACB is closed and CICS continues without VTAM.

A dump is taken for this message in both cases.

User Response: You can restart CICS again immediately, or wait for the persistent sessions to time out and then restart CICS.

If this problem recurs you need to find out why VTAM is not responding to the INQUIRE or OPNDST macro (if the message is issued by DFHZGRP), or the CLSDST or TERMSESS macro (if the message is issued by DFHZGUB).

You can determine which macro is not responding by examining the TCP section of the dump and looking at the RPLs in the PS POOL labeled PS_RPL. The first RPL is for use by INQUIRE or OPNDST, the next 10 by CLSDST or TERMSESS.

Destination: Console

Modules: DFHZGRP, DFHZGUB

XMEOUT Parameters: applid, module

---

DFHZC0129 applid VTAM OPNDST RESTORE failed. All sessions in the NIBLIST will be terminated instead.

RTNCD,FDB2: X'rc',X'fd'. Code: X'code'

Explanation: CICS is processing VTAM persistent sessions during an EMERGENCY restart but VTAM returned a RTNCD,FDB2 of rc,fd in response to the OPNDST OPTCD=RESTORE macro.

System Action: An AP exception trace entry, X'code', is made.

A system dump is taken on the first occurrence of this problem unless dumps have been specifically suppressed in the dump table.

CICS attempts to terminate all the sessions in the NIBLIST instead of restoring them.

User Response: Use the dump taken on the first occurrence of this problem or the exception trace entry and the VTAM programming manual to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

Destination: Console

Modules: DFHZGRP

XMEOUT Parameters: applid, X'rc', X'fd', X'code'

---

DFHZC0130 applid VTAM INQUIRE PERSESS failed. Cannot restore any persisting sessions. RTNCD,FDB2: X'rc',X'fd'. Code: X'code'

Explanation: CICS is processing VTAM persistent sessions but VTAM returned a RTNCD,FDB2 of rc,fd in response to the INQUIRE OPTCD=PERSESS macro.

System Action: An AP exception trace entry, X'code', is made.

A system dump is taken unless dumps have been specifically suppressed in the dump table.

If this occurs during initialization, CICS terminates.

If this occurs during a dynamic open of the ACB, CICS closes the ACB and continues to run without VTAM.

The sessions persist until the PSDI value times out or until VTAM operator commands are issued to terminate the sessions.

User Response: Use the dump or the exception trace entry and the VTAM programming manual to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

If the problem occurs during initialization, try to correct the error and then retry the start up, or wait until the PSDI value time expires and restart CICS.

If the problem occurs when the ACB was opened dynamically, you can repeat the command to open the VTAM ACB, or wait until the PSDI time expires and then repeat it.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: applid, X'rc', X'fd', X'code'
DFHZC0131 date time applid netname termid VTAM OPNDST
RESTORE failed.

Explanation: CICS is processing VTAM persistent sessions and has issued an OPNDST OPTCD=RESTORE against a NIBLIST. However, the NIB identified by netname and a session or termid of termid failed to open successfully. This is probably because the session was terminated by the VTAM operator after INQUIRE OPTCD=PERSESS was issued.

System Action: CICS continues.

User Response: Reopen the session in the normal way.

Destination: CSNE

Module: DFHZGRP

XMEOUT Parameters: date, time, applid, netname, termid

---

DFHZC0132 applid VTAM INQUIRE PERSESS failed. Cannot restore some persisting sessions. Network only partially restored. RTNCD,FDB2: X'rc',X'fd'. Code: X'code'

Explanation: CICS is processing VTAM persistent sessions but VTAM returned a RTNCD,FDB2 of rc,fd in response to a subsequent INQUIRE OPTCD=PERSESS macro.

System Action: An AP exception trace entry, 'X'code', is made. A system dump is taken unless you have specifically suppressed dumps in the dump table.

CICS continues with a partial network. Some of the sessions are usable, others are not until the PSDI value times out or the VTAM operator terminates the sessions that failed.

User Response: User Response: Use the dump or the exception trace entry and the VTAM programming manual to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

If enough of the network is available, wait until the PSDI value expires or use VTAM operator commands to terminate the sessions.

If the network is unusable, either close and reopen the VTAM ACB, or restart CICS.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: applid, X'rc', X'fd', X'code'

---

DFHZC0134I applid VTAM sessions persisted when OPEN ACB issued. Inquires issued icount, sessions persisting spcount, sessions terminated stcount, sessions OPNDSTed socount, sessions in error secoun.

Explanation: The VTAM ACB has been opened while CICS is running, and some VTAM sessions persisted after VTAM abended.

Each of the persisting sessions has been restored or terminated. The message inserts are as follows:

- icount is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- spcount is the number of VTAM sessions that persisted.
- stcount is the number of sessions that CICS terminated with a CLSDST or TERMSESS macro. If an OPNDST failure occurred for an entire NIBLIST (see message DFHZC0129), the sessions in the NIBLIST have been terminated and this count includes these sessions.
- socount is the number of VTAM sessions that CICS restored successfully with an OPNDST OPTCD=RESTORE macro.
- secount is the number of sessions that CICS failed to restore.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: applid, icount, spcount, stcount, socount, secoun

---

DFHZC0136 applid PSDI value indicated persistence but the run time VTAM does not support persistent sessions.

Explanation: The PSDI value is nonzero. This specifies that VTAM sessions are to persist across CICS failures. However, this release of VTAM does not support persistent sessions.

System Action: CICS sets the PSDI value to 0 and continues without persistent session support.

User Response: ACF/VTAM Release 3 Version 4 Modification 1 or higher must be used in order to take advantage of CICS persistent session support.

To prevent this message being issued when using an earlier release of VTAM, set the PSDINT system initialization parameter to zero, and when using the EXEC CICS SET VTAM command, either omit, or specify a value of zero for the PSDINTERVAL operand.

Destination: Console

Module: DFHZSLS

XMEOUT Parameter: applid

---

DFHZC0133A applid Persistent session recovery failed.

Explanation: CICS was initializing when an attempt to process VTAM persistent session failed. The reasons are given in earlier messages.

System Action: CICS terminates.

User Response: Examine earlier messages and exception trace entries to determine the reason for failure.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: applid

---

DFHZC0137I applid PSDI value indicated persistence but the TCT assemble time VTAM does not support persistent sessions.

Explanation: The PSDI value is nonzero. This specifies that VTAM sessions are to persist across CICS failures. However, DFHTCTxx was assembled against a release of VTAM that cannot support persistent sessions.

System Action: CICS sets the PSDI value to 0 and continues without persistent session support.

User Response: Reassemble the TCT against ACF/VTAM Release 3 Version 4 Modification 1 or higher in order to take advantage of CICS persistent session support.
To prevent this message being issued when using an earlier release of VTAM, set the PSDINT system initialization parameter to zero, and when using the EXEC CICS SETVTAM command, either omit, or specify a value of zero for the PSDINTERVAL operand.

**Destination:** Console

**Module:** DFHZSLS

**XMEOUT Parameter:** applid

---

**DFHZC0140**

**applid SETLOGON PERSIST failed. RTNCD,FDB2:**

*X'rc', X'fd', Code: X'code'*

**Explanation:**
CICS was opening the VTAM ACB, setting the PSDI value from an operator command or doing a WARM shut down. It attempted to issue the VTAM command SETLOGON OPTCD=PERSIST or OPTCD=NPERSIST. However, VTAM returned a RTNCD,FDB2 of X'rc', X'fd'.

**System Action:**
An AP exception trace entry, code, is made. A system dump is taken unless you have specifically suppressed dumps in the dump table.

- If the ACB was being opened, no VTAM sessions persist and the PSDI value is set to 0.
- If just the PSDI value was being changed, either by the operator or during termination, the value is unchanged, both to CICS and to VTAM.
- If this occurs during a VTAM shut down and some sessions are not closed, sessions may exist on VTAM start-up and are terminated then.

**User Response:**
Use the dump taken or the exception trace entry code and the VTAM programming manual to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

**Destination:** Console

**Module:** DFHZSLS

**XMEOUT Parameters:** applid, X'rc', X'fd', X'code'

---

**DFHZC0145**

**date time applid netname termid Synclevel 2 APPC conversation started before Exchange Lognames completed. Error occurred executing Deallocate(Abend). sense ((instance) Module name: (DFHZGDA))**

**Explanation:**
The APPC session termid with netname persisted during a CICS persistent sessions restart. The partner initiated a new synclevel 2 conversation before Exchange Lognames processing had completed. CICS attempted to issue a Deallocate(Abend) for the conversation. The Deallocate(Abend) could not be completed for the reason indicated by the instance in the message as follows.

**Instance Explanation**

<table>
<thead>
<tr>
<th>Instance</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>DFHZGDA called with chain Finite State Machine in unexpected state.</td>
</tr>
<tr>
<td>02</td>
<td>DFHZGDA called with bracket Finite State Machine in unexpected state</td>
</tr>
</tbody>
</table>

For the meaning of the sense data, see the explanation on page 686.

**System Action:**
The state of the session after the persistent sessions restart cannot be determined, and the session is deactivated in order to reset the states. The sessions are reactivated.

**User Response:**
If the session is not successfully reactivated, check the CSNE log for messages indicating why the new BIND failed. The session may have been set out of service by the VTAM operator.

**Destination:** CSNE

**Module:** DFHZGDA

**XMEOUT Parameters:** date, time, applid, netname, termid, sense, instance, (1=DFHZGDA, 2=DFHZGDA)

---

**DFHZC0146**

**date time applid VTAM session for termid successfully recovered following a persistent sessions restart sense ((instance) Module name: (DFHZXRC))**

**Explanation:**
CICS has restored the VTAM persistent session for terminal termid following a persistent sessions restart. The equivalent message for APPC sessions is DFHZC0156.

**System Action:**
If recovery notification is specified for this terminal, the recovery message is sent to the terminal, or the transaction requested to run at recovery notification time is started.

**User Response:**
If required, code an NEP to override the recovery notification option originally specified in the TYPETERM definition for this session. See the CICS Resource Definition Guide and the CICS Customization Guide for more information.

**Destination:** CSNE

**Module:** DFHZXRC

**XMEOUT Parameters:** date, time, applid, termid, sense, instance, (1=DFHZXRC)
**DFHZC0147** date time applid sysid termid Error occurred recovering persisting session. sense ((instance) Module name: (DFHZGDA))

**Explanation:** An error has prevented the recovery of an APPC conversation which persisted across an emergency restart.

The session with a termid of termid is terminated. The reason and the corresponding AP exception trace entry are indicated by the instance in the message;

<table>
<thead>
<tr>
<th>Instance</th>
<th>Point ID and explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>X’FB79’ SEND not executed due to invalid bracket state.</td>
</tr>
<tr>
<td>2</td>
<td>X’FB7B’ Insufficient storage for session recovery.</td>
</tr>
<tr>
<td>3</td>
<td>X’FB76’ Recovery status byte TCTE_PRSS contains an unexpected value.</td>
</tr>
<tr>
<td>4</td>
<td>X’FB7A’ RECEIVED not executed due to invalid bracket state.</td>
</tr>
<tr>
<td>5</td>
<td>X’FB78’ Unexpected sense received during persistent sessions recovery.</td>
</tr>
</tbody>
</table>

**System Action:**
An AP exception trace with a point ID as above is issued. The session is terminated and CICS continues.

**User Response:** If recovery failed due to insufficient storage, try increasing the DSA or EDSA size limits (see the CICS Customization Guide). If any of the other instances occur, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSNE

**XMEOUT Parameters:** date, time, applid, termid, sense, instance, {1=DFHZGDA, 2=DFHZGDA, 3=DFHZGDA, 4=DFHZGDA, 5=DFHZGDA}

**DFHZC0148** date time applid sysid termid VTAM send or receive failed during persistent sessions recovery. sense ((instance) Module name: (DFHZGDA))

**Explanation:** As part of session recovery following a persistent session restart CICS issued a VTAM SEND or RECEIVED. The VTAM request failed leaving the session in an unknown state.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The session is terminated.

**User Response:** To determine the cause of the problem, see the associated DFHZCnnm message in the CSNE log. This message gives further diagnostic information on the failing VTAM request.

**Destination:** CSNE

**Module:** DFHZGDA

**XMEOUT Parameters:** date, time, applid, sysid, termid, sense, instance, {1=DFHZGDA, 2=DFHZGDA}

**DFHZC0149** date time applid termid Connection failure occurred during a persistent sessions restart sense ((instance) Module name: (DFHZNSP))

**Explanation:** During a persistent sessions restart, CICS has been notified of the failure of a session initiation request issued during the previous instance of CICS.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** Processing continues.

**User Response:** None

**Destination:** CSNE

**Module:** DFHZNSP

**XMEOUT Parameters:** date, time, applid, termid, sense, instance, {1=DFHZNSP}

**DFHZC0150** date time applid termid Error processing the session state data returned after a persistent sessions restart. sense ((instance) Module name: (DFHZXRC))

**Explanation:** The VTAM session for terminal termid persisted during a CICS persistent sessions restart, but an error occurred while processing the session state data returned by VTAM. The reason is indicated by the instance in the message as follows.

**Instance Explanation**

<table>
<thead>
<tr>
<th>Instance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>DFHZXRC called with an invalid request.</td>
</tr>
<tr>
<td>02</td>
<td>TCTTEDA contains null characters instead of the expected address.</td>
</tr>
<tr>
<td>03</td>
<td>Reserved</td>
</tr>
<tr>
<td>04</td>
<td>The vector key of the data passed by VTAM is not correct.</td>
</tr>
<tr>
<td>05</td>
<td>The length of the vector_29 data is too short.</td>
</tr>
<tr>
<td>06</td>
<td>Unidentified cleanup action detected.</td>
</tr>
<tr>
<td>07</td>
<td>Unidentified recovery option detected.</td>
</tr>
<tr>
<td>08</td>
<td>Invalid cleanup action for RECOVOPTION(NONE).</td>
</tr>
<tr>
<td>09</td>
<td>Invalid cleanup action for RECOVOPTION(MESSAGE).</td>
</tr>
<tr>
<td>10</td>
<td>Invalid cleanup action for RECOVOPTION(TRANSACTION).</td>
</tr>
<tr>
<td>11</td>
<td>Reserved.</td>
</tr>
<tr>
<td>12</td>
<td>DFHZXRC has been driven to process an LU6 session.</td>
</tr>
<tr>
<td>13</td>
<td>Neither XRF nor persistent sessions recovery is in progress DFHZXRC has been called in error.</td>
</tr>
</tbody>
</table>

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The state of the session after the persistent sessions restart cannot be determined, and the session is terminated in order to reset the states. Non-APPC sessions are restarted.

**User Response:** If the session is not successfully restarted, check the CSNE log for messages indicating why the new BIND failed. The session may have been set out of service by the VTAM operator.

**Destination:** CSNE

**Module:** DFHZXRC

**XMEOUT Parameters:** date, time, applid, termid, sense, instance, {1=DFHZXRC, 2=DFHZXRC, 3=DFHZXRC, 4=DFHZXRC, 5=DFHZXRC, 6=DFHZXRC, 7=DFHZXRC, 8=DFHZXRC, 9=DFHZXRC, 10=DFHZXRC, 11=DFHZXRC}
DFHZC0160 date time applid tranid CNOS changes for modename to node netname connection sysid are incomplete.

Explanation: CICS has made two attempts to implement the change number of sessions (CNOS) command for the modename on the APPC connection sysid. The command was not successful because of other activity on the modegroup. This only happens on modegroups which are very busy. The state of the next or more of the sessions has changed during the processing of the CNOS request.

The CNOS command results from a connection acquire, a connection release, or a request for a specific modename on this system or the connected system. If the connected system is not CICS, commands specific to that system may have been used.

System Action: The modegroup is left in the state reached after the second attempt to implement the changes.

User Response: Use the CEMT INQUIRE MODENAME command to determine the current state of the modegroup. The command may show the modegroup as you expect for successful CNOS completion. This is because the command only shows data for available and active sessions. CICS may have had problems with CNOS values for loser sessions, which would not be apparent by using CEMT. If the values are not as required, re-issue the original command.

Destination: CSNE
Module: DFHZGCA
XMEOUT Parameters: date, time, applid, tranid, modename, netname, sysid
**Chapter 1. DFH messages**

### DFHZC0162: Date time applid tranid CNOS transaction for connection sysid has failed with code X'code' subcode X'subcode'.

**Explanation:**
The change number of sessions (CNOS) transaction program DFHZLS1 could not complete successfully. The error code X'code' is one of the following:

- **X'FB92'** The transaction was not started as an IC request with data or by an attach flow from a connected system. The insert subcode is the start code from XMIQ_START_CODE.
- **X'FB93'** The transaction was initiated with data, but no data was found.
- **X'FB94'** The transaction was initiated with data, but the data was not in the form of the correct parameter list.
- **X'FB95'** The transaction was initiated with the correct format parameter list, but the function code was invalid.
- **X'FB96'** The transaction was started by an attach from a connected system but there was no CNOS data.
- **X'FB97'** The transaction was started by an attach from a connected system but the associated data was not a CNOS command.

**System Action:**
CICS produces an exception trace, and except for in the case of an invalid start, a system dump is taken. The task terminates. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:**
This depends on the error code as follows:

- **X'FB92'** Follow the guidance given for the lock manager error code. The transaction was probably started by entering the transaction ID at a terminal. This is not allowed.
- **X'FB93'** Analyze the dump to determine why IC could not find the data.
- **X'FB94'** Analyze the dump to determine what the data was.
- **X'FB95'** Analyze the dump to determine what the data was.
- **X'FB96'** Analyze the dump to determine why no data was available.
- **X'FB97'** Analyze the dump to determine why the correct data was not sent with the attach.

**Destination:**
CSNE

**Module:**
DFHZLS1

**DFHZC0170I: applid CICS registered successfully to VTAM generic resource name gname.**

**Explanation:**
CICS has registered as a VTAM generic resource in the group gname.

**System Action:**
CICS continues. It is now possible to log on using the generic resource name.

**User Response:**
None.

**Destination:**
Console

**Module:**
DFHZGSL

**DFMEOUT Parameters:**
applid, gname
CICS Messages and Codes

DFHZC0171 applid CICS registration as a VTAM generic resource in the group grname failed. VTAM return code: X'rc'. FDB2: X'fd'.

Explanation: CICS failed to register as a VTAM generic resource in the group grname.

VTAM returned a RTNCD,FDB2 of rc,fd in response to the SETLOGON OPTCD=GNAMENADD macro.

System Action: An AP exception trace entry is output with trace point FB8E.

CICS continues without generic resource support.

User Response: Use the VTAM programming manual to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct the problem.

When the problem has been corrected a further attempt may be made to register CICS as a generic resource by closing and reopening the VTAM ACB.

Destination: Console
Module: DFHZGLS
XMEOUT Parameters: applid, grname, X'rc', X'fd'

DFHZC0172I applid CICS deregistered successfully from VTAM generic resource name grname.

Explanation: CICS has deregistered from VTAM generic resource group grname.

System Action: None. CICS will not reregister to the generic resource until the VTAM ACB has been closed and opened again.

User Response: None.

Destination: Console
Module: DFHZGLS
XMEOUT Parameters: applid, grname

DFHZC0173 applid CICS deregistration from VTAM generic resource name grname failed. VTAM return code: X'rc'. FDB2: X'fd'.

Explanation: CICS failed to deregister from VTAM generic resource group grname.

VTAM returned a RTNCD,FDB2 of rc,fd in response to the SETLOGON OPTCD=GNAMENDEL macro.

This may be due to a hardware failure in another part of the sysplex or to corruption of the TCT prefix causing CICS to attempt to deregister with the wrong name.

System Action: An AP exception trace entry is output with a trace point X‘FB8E’.

User Response: Use the VTAM Programming Manual to determine the meaning of the register 15 and register 0 values output by VTAM. If the problem is not caused by use of the wrong version of VTAM, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHZGLS
XMEOUT Parameters: applid, grname, X'rc', X'fd'

DFHZC0174 applid Control block initialization has failed. Generic resource registration or deregistration will not be attempted. Return codes r15,r0.

Explanation: A call to a VTAM macro to initialize the node initialization block (NIB) before registering or deregistering as a VTAM generic resource has failed.

A possible explanation is that the wrong level of VTAM is being used.

System Action: The values of register 15 and register 0 returned by VTAM are output.

An exception trace is output with trace point X‘FBED’.

If registration was about to be attempted, CICS continues without generic resource support.

If deregistration was about to be attempted, ACB shutdown continues. VTAM removes CICS as a member for the generic resource name when the ACB is closed.

User Response: Use the VTAM Programming Manual to determine the meaning of the register 15 and register 0 values output by VTAM. If the problem is not caused by use of the wrong version of VTAM, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: Console
Module: DFHZGLS
XMEOUT Parameters: applid, r15, r0

DFHZC0175 applid A value was specified for GRNAME but the assemble time or run time VTAM does not support generic resource registration.

Explanation: A value was specified for the GRNAME system initialization parameter. This indicates that CICS is to register as a VTAM generic resource. However, either DFHTCTXX was assembled against a release of VTAM that cannot support generic resource registration, or CICS is running on a VTAM earlier than release 4 version 2.

System Action: CICS sets the generic resource name to blanks and continues without attempting generic resource registration.

User Response: If you are running with ACF/VTAM Release 4 Version 2 or higher, reassemble the TCT against this level of VTAM in order to take advantage of CICS support for generic resource registration.

To prevent this message being issued when using an earlier release of VTAM, do not specify a value for the GRNAME system initialization parameter.

Destination: Console
Module: DFHZSLS
XMEOUT Parameter: applid

DFHZC0176 date time applid VTAM was unable to execute a CHANGE OPTCD=ENDAFFIN macro to end an affinity between this application, which is a member of generic resource grname, and a remote LU with netid netname netname. VTAM return code: X'rc'. FDB2: X'fd', R15: X'r15'.

Explanation: An attempt was made to end an affinity between this CICS, which is a member of generic resource grname, and a remote LU with netid netid and netname netname by means of a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command. The attempt has failed because a problem with VTAM
remote LU with netid
VTAM has issued the return code-feedback (RTNCD,FDB2) X'rc', X'fd' in response to the CHANGE OPTCD=ENDAFFINITY macro.

R15 r15 is the register 15 value returned by VTAM.

System Action: Processing continues. VTAM has made no attempt to end the affinity.

User Response: See the VTAM programming manual for the meaning of the RTNCD,FDB2 and for guidance on correcting the problem.

When the problem has been corrected retry the command.

Destination: CSNE
Module: DFHZGCH
XMEOUT Parameters: date, time, applid, grname, netid, netname, X'rc', X'fd', X'r15'

DFHZC0177 date time applid Connection sysid has created an affinity between this application, which is a member of generic resource grname, and a remote LU with netid netid name netname.

Explanation: A generic resource member has established an APPC synclevel 2, APPC limited resource, or LU6.1 connection with another LU. For connections of these types VTAM creates affinities which are owned by CICS and have to be ended by the CICS operator using the SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command. The message is output whenever the connection is acquired but the affinity is not recreated for each acquire unless it has been ended in the meantime.

System Action: Processing continues.

User Response: None, but note that the affinity has to be ended before the partner LU can establish a connection with another generic resource member.

The affinity may be ended automatically by the connection quiesce transaction when the connection is released. However, it is not done if the system crashes or is shut down 'immediate' whilst the connection is still acquired.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, sysid, grname, netid, netname, grname, membername

DFHZC0179 date time applid Connection sysid netname is a link to generic resource grname member membername.

Explanation: A connection sysid from netname netname to generic resource grname has been established.

The message is issued once for each connection acquire.

User Response: None.

Destination: CSNE
Module: DFHZGCH
XMEOUT Parameters: date, time, applid, sysid, netname, grname, membername

DFHZC0180 date time applid An affinity between this application, which is a member of generic resource grname, and a remote LU with netid netid netname netname has ended successfully.

Explanation: VTAM has responded positively to an attempt to end an affinity with remote LU netid, netname netname. The affinity was ended implicitly by the connection quiesce transaction when the connection was released or explicitly by a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command.

System Action: Processing continues. The remote LU can now establish a connection with a different generic resource member.

User Response: None.

Destination: CSNE
Module: DFHZGCH
XMEOUT Parameters: date, time, applid, grname, netid, netname

DFHZC0181 date time applid No affinity exists between this application, which is a member of generic resource grname, and a remote LU with netid netid netname netname.

VTAM return code: X'14', FDB2: X'88'.

Explanation: An unsuccessful attempt was made to end an affinity between this CICS, which is a member of generic resource grname, and a remote LU with netid netid and netname netname using a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command. VTAM has issued return code-feedback (RTNCD,FDB2) of X'14', X'88' in response to the CHANGE OPTCD=ENDAFFINITY macro indicating that no such affinity exists.

System Action: Processing continues.

User Response: Ensure that the values input to the SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command are correct.

Destination: CSNE
Module: DFHZGCH
XMEOUT Parameters: date, time, applid, grname, netid, netname

prevented the VTAM CHANGE OPTCD=ENDAFFINITY macro from being issued.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'rc', X'fd' in response to the CHANGE OPTCD=ENDAFFINITY macro.

When the problem has been corrected, retry the command if appropriate.

Destination: CSNE
Module: DFHZGCH
XMEOUT Parameters: date, time, applid, grname, netid, netname, X'rc', X'fd'

DFHZC0179 1 date time applid Connection sysid netname netname is a link to generic resource grname member membername.

Explanation: A connection sysid from netname netname to generic resource grname has been established.

The message is issued once for each connection acquire.

User Response: None.

Destination: CSNE
Module: DFHZGCH
XMEOUT Parameters: date, time, applid, sysid, netname, grname, membername

DFHZC0180 date time applid An affinity between this application, which is a member of generic resource grname, and a remote LU with netid netid netname netname has ended successfully.

Explanation: VTAM has responded positively to an attempt to end an affinity with remote LU netid, netname netname. The affinity was ended implicitly by the connection quiesce transaction when the connection was released or explicitly by a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command.

System Action: Processing continues. The remote LU can now establish a connection with a different generic resource member.

User Response: None.

Destination: CSNE
Module: DFHZGCH
XMEOUT Parameters: date, time, applid, grname, netid, netname

DFHZC0181 date time applid No affinity exists between this application, which is a member of generic resource grname, and a remote LU with netid netid netname netname.

VTAM return code: X'14', FDB2: X'88'.

Explanation: An unsuccessful attempt was made to end an affinity between this CICS, which is a member of generic resource grname, and a remote LU with netid netid and netname netname using a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command. VTAM has issued return code-feedback (RTNCD,FDB2) of X'14', X'88' in response to the CHANGE OPTCD=ENDAFFINITY macro indicating that no such affinity exists.

System Action: Processing continues.

User Response: Ensure that the values input to the SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command are correct.

Destination: CSNE
Module: DFHZGCH
XMEOUT Parameters: date, time, applid, grname, netid, netname
DFHZC0182

**DFHZC0182** date time applid VTAM was unable to execute an INQUIRE OPTCD=NQN macro to determine the network qualified netname of logical unit luname. VTAM return code: X'rc', FDB2: X'fd', R15: X'r15'.

**Explanation:** CICS has attempted to determine the network qualified netname of logical unit luname. The attempt has failed because a problem with VTAM prevented the VTAM INQUIRE OPTCD=NQN macro from being issued.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'rc', X'fd' in response to the INQUIRE OPTCD=NQN macro.

R15 r15 is the register 15 value returned by VTAM.

**System Action:** The CICS component which requires the network qualified netname of the logical unit determines whether any further action is called for.

**User Response:** See the VTAM Programming manual for the meaning of the RTNCD,FDB2 and for guidance on correcting the problem.

**Destination:** CSNE

**Module:** DFHZGIN

**XMEOUT Parameters:** date, time, applid, luname, X'rc', X'fd', X'r15'

---

DFHZC0183 date time applid An attempt to determine the network qualified name of logical unit luname was rejected by VTAM. VTAM return code: X'rc', FDB2: X'fd'.

**Explanation:** CICS has attempted to determine the network qualified name of logical unit luname. The request has been rejected by VTAM.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'rc', X'fd' in response to the INQUIRE OPTCD=NQN macro.

**System Action:** The CICS component which requires the network qualified name of the logical unit decides whether further action is called for.

**User Response:** See the VTAM Programming manual for the meaning of the RTNCD,FDB2 and for guidance on correcting the problem.

**Destination:** CSNE

**Module:** DFHZGIN

**XMEOUT Parameters:** date, time, applid, luname, X'rc', X'fd', X'r15'

---

DFHZC0184 date time applid VTAM was unable to execute an INQUIRE OPTCD=SESSNAME macro to determine the member of generic resource set gname to which logical unit netid.luname is logged on. VTAM return code: X'rc', FDB2: X'fd', R15: X'r15'.

**Explanation:** CICS has attempted to determine the member of a generic resource set gname to which logical unit netid.luname is logged on. The attempt has failed because a problem with VTAM prevented the VTAM INQUIRE OPTCD=SESSNAME macro from being issued.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'rc', X'fd' in response to the INQUIRE OPTCD=SESSNAME macro.

R15 r15 is the register 15 value returned by VTAM.

**System Action:** The CICS component which needs to know where the logical unit is logged on determines whether any further action is called for.

**User Response:** See the VTAM Programming manual for the meaning of the RTNCD,FDB2 and for guidance on correcting the problem.

**Destination:** CSNE

**Module:** DFHZGIN

**XMEOUT Parameters:** date, time, applid, gname, netid, luname, X'rc', X'fd'

---

DFHZC0185 date time applid An attempt to determine the member of generic resource set gname to which logical unit netid.luname is logged on was rejected by VTAM. VTAM return code: X'rc', FDB2: X'fd'.

**Explanation:** CICS has attempted to determine the member of a generic resource set to which gname logical unit netid.luname is logged on. The request has been rejected by VTAM.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'rc', X'fd' in response to the INQUIRE OPTCD=SESSNAME macro.

**System Action:** The CICS component which requires the member name decides whether further action is called for.

**User Response:** See the VTAM Programming manual for the meaning of the RTNCD,FDB2 code and for guidance on correcting the problem.

**Destination:** CSNE

**Module:** DFHZGIN

**XMEOUT Parameters:** date, time, applid, gname, netid, luname, X'rc', X'fd'

---

DFHZC0186 date time applid Connection sysid which is a member of generic resource gname has a duplicate remote LU netname netname. sense ((instance) Module name: (DFHZOPNI))

**Explanation:** Node nodeid attempted to log on to CICS but the logon is invalid.

The nodeid in the message always starts with the netname of the node attempting to connect to CICS. For some instances of the message resulting from an APPC log on, the modename of the session is concatenated to the netname with a dot separator. Since a string consisting of eight blanks is the default modename, this can lead to idiosyncratic formatting of the message.

If the message is issued by DHZATA, CICS has failed in its attempt to autoinstall the terminal or connection.

The instance instance is one of the following:

1. During the acquire process for a secondary session CICS attempted to add the membername of the partner to a table but this name already exists for a different generic resource connection.
2. During the acquire process for a secondary session CICS attempted to add the membername of the partner to a table but this name has just been used as the netname of a terminal by an install occurring at the same time as the install of this connection.

**System Action:** The acquire of the connection continues.

**User Response:** Use the instance number to determine why the netname already exists:

1. Use the CEMT INQUIRE CONNECTION API to see which generic resource has the same membername.

Since this problem should not occur under normal circumstances, you may need further assistance from IBM.
Investigate why the LU name of the partner is the same as the LU name of a terminal and remove one of the definitions.

Destination: CSNE
Modules: DFHZOPN, DFHZOPN

XMEOUT Parameters: date, time, applid, sysid, grname, netname, sense, instance, \{1=DFHZOPN, 2=DFHZOPN\}

DFHZC0187 date time applid Reset of connection sysid failed following the ending of an affinity between this application and a remote LU with generic resource name grname member name applid. The connection was locked by task taskid, transaction tranid.

Explanation: CICS has failed to reset connection sysid after an affinity was ended successfully. A lock was held by task taskid, transaction tranid.

System Action: Processing continues but the state of the connection is undetermined.

User Response: If appropriate, use the information in the message to find out why there was a lock on the connection. If the connection is left in a state where it cannot be acquired, delete and reinstall it.

Destination: CSNE
Module: DFHZGCH

XMEOUT Parameters: date, time, applid, sysid, grname, applid, taskid, tranid

DFHZC0199 CICS has recovered after a system failure. Execute recovery procedures. (Already signed on. I Please sign on.)

Explanation: This message is sent to a terminal when the associated VTAM session is successfully recovered following a persistent sessions restart of CICS.

This is the default message issued by CICS if RECOVNOTIFY(MESSAGE) is specified on the TYPETERM for a device (see the CICS Resource Definition Guide), or in the node error program (see the CICS Customization Guide). If RECOVNOTIFY(MESSAGE) is used, it is recommended that the CICS supplied sample mapset DFHXMSG be tailored to meet the installation recovery requirements.

System Action: Processing continues.

User Response: Sign on if required, and take any recovery actions required.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User
Module: DFHZZNAC

DFHZC0200 applid An attempt by the COVR transaction to OPEN VTAM has failed with return code X'retcode'; CICS will retry.

Explanation: The COVR transaction has attempted an EXEC CICS SET VTAM OPEN, but the operation failed with the return code retcode from the OPEN ACB.

System Action: CICS continues. The COVR transaction retries the operation every 5 seconds. This message is reissued every minute until the operation succeeds, or until 10 minutes has passed, in which case message DFHZC0201 is issued.

User Response: Investigate the reason for VTAM being unavailable. See the VTAM Programming manual for an explanation of the ACB return code.

Destination: Console
Module: DFHZCOVR

XMEOUT Parameters: applid, X'retcode'

DFHZC0201 applid An attempt by the COVR transaction to OPEN VTAM has failed with return code X'retcode'; the COVR transaction will terminate.

Explanation: The COVR transaction has repeatedly attempted an EXEC CICS SET VTAM OPEN, but the operations have failed. The OPEN ACB has issued the return code retcode.

System Action: CICS continues. The COVR transaction terminates and the SET VTAM OPEN is not retried.

User Response: Investigate the reason for VTAM being unavailable. See the VTAM Programming manual for an explanation of the ACB return code.

Destination: Console
Module: DFHZCOVR

XMEOUT Parameters: applid, X'retcode'

DFHZC2109 E date time applid Unexpected response from Recovery Manager following resynchronization of LU6.1 session termid with remote system sysid.

Explanation: Recovery manager was invoked during resynchronization of an LU6.1 session, but gave an unexpected response. This is due to an internal logic error.

System Action: A system dump is taken unless dumps have been specifically suppressed in the dump table.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSNE
Module: DFHZZNAC

XMEOUT Parameters: date, time, applid, termid, sysid
DFHZC2114  E  date time applid termid tranid  A SEND response failed during receive-any processing.  sense  
  ((instance) Module name: (DFHZRAC))

Explanation:  A SEND response issued on a receive-any RPL failed, or was not accepted by VTAM.
For the meaning of the sense data, see the explanation on page 686.

System Action:  If a task is attached, it is abnormally terminated with a transaction dump.  Message DFHME0116 is normally 
produced containing the symptom string for this problem.

User Response:  A subsequent message in the log indicates the reasons for the failure.  Refer to this message for further 
information and guidance.

Destination:  CSNE
Module:  DFHZRAC
XMEOUT Parameters:  date, time, applid, termid, tranid, sense, instance,  {1=DFHZRAC, 2=DFHZRAC}

DFHZC2115  applid termid Potential CICS hang detected following
  a SEND to node netname, CID X'cid'.  Investigation is required.  ((instance) Module name: (DFHZRAC))

Explanation:  CICS has issued a VTAM SEND macro to send a 
response but no notification has been received that the response 
has completed.  Until this SEND operation completes, one of the 
limited number of receive-any RPLs remains unusable (the number 
of receive-any RPLs is defined by the RAPOOL system initialization 
parameter).

This is a serious condition.  If all the receive-any RPLs become 
unusable in this way, CICS is unable to accept any new requests 
from VTAM.  Similarly, a reduction in the number of available 
receive-any RPLs can adversely affect terminal performance and 
transaction throughput.

Additionally, while the RPL is hanging, a normal CICS shutdown 
might be unable to complete.

The CID is the 32-bit VTAM communication identifier which was 
assigned when the session was established.

System Action:  CICS continues to monitor for the SEND 
operation to complete.  Until this happens, CICS reissues this 
message at approximately three minute intervals.

User Response:  This problem is usually caused by a failure in 
the network which stops the SEND completing.  Check the session 
and the associated logical unit to ensure that there is no error 
condition which stops VTAM completing the SEND request.

Destination:  Console
Module:  DFHZRAC
XMEOUT Parameters:  applid, termid, netname, X'cid', instance, 
{1=DFHZRAC}

DFHZC2116  E  date time applid termid tranid  Data received on 
  pipeline session exceeds RAIA size.  ((instance) 
  Module name: (DFHZRAC))

Explanation:  CICS has received data on a pipeline session which 
is larger than the initial I/O area allocated for the receive any RPL.  
The size of the receive any input area (RAIA) is specified on the 
RAMAX system initialization parameter.

System Action:  CICS ends the session which sent the data and 
marks it out of service.  CICS will also attempt to abnormally 
terminate any running transactions which were initiated from this 
session.

User Response:  Increase the value of the RAMAX system 
initialization parameter so that it is at least equal to the largest 
RUSIZE (from the CINIT) specified for a pipeline session.

Destination:  CSNE
Module:  DFHZRAC
XMEOUT Parameters:  date, time, applid, termid, tranid, instance, 
{1=DFHZRAC}

DFHZC2118  applid Receive Any stall for netname netname.

Explanation:  All the CICS Receive Any RPLs have been posted 
but the TCTTE for each one is waiting for a response from a VTAM 
terminal or session.  All the Receive Any RPLs have been stalled 
for 10 dispatches of the TCP task (CSTP).  This message is 
produced for each session that is in this situation.  A VTAM session 
have not responded to a command such as BID or SHUTD sent by 
CICS.  This is typically caused by a protocol error.

System Action:  CICS is NOT running with system initialization 
parameter RAPOOL=(n,n,FORCE) so CICS VTAM activity is held 
up until one of the commands completes.

User Response:
Chapter 1. DFH messages

DFHZC2300 applid SETLOGON start command rejected

Explanation: CICS issues the SETLOGON START command after a successful OPEN VTAM ACB. The SETLOGON START command is rejected in the following cases:
- The CICS OPEN VTAM ACB was successful, but VTAM subsequently terminated abnormally, or
- The CICS OPEN VTAM ACB was successful, but insufficient system storage was available to satisfy the SETLOGON START command, or
- The CICS OPEN VTAM ACB was successful, but VTAM was subsequently terminated by a VTAM HALT QUICK command.

System Action: If the error occurs during CICS initialization, CICS abnormally terminates with a U2302 abend and a system dump.
If the error occurs as a result of a CEMT or EXEC CICS SET VTAM OPEN, CICS terminates the task abnormally with abend code ATC2 and a transaction dump, and the VTAM ACB is closed.

User Response: The VTAM return code can be found in RTNCDFDBK2 in the first RPL in the RA pool addressed from TCTVRVRA in the system dump or the transaction dump.
Use the VTAM Programming manual, (SC23-0115-3), to determine the cause of the error and the actions necessary to correct it.
After correcting the error, either reinitialize CICS (for abend U2302) or follow the suggestions documented for abend ATC2.

Destination: Console
Module: DFHZSLS
XMEOUT Parameter: applid

DFHZC2303 applid No storage available when initiating RECEIVE-ANY’s. Code: X’code’

Explanation: While trying to acquire receive-any I/O areas, the SETLOGON START VTAM command found that storage was not available.

System Action: CICS terminates with a dump. An exception entry code is made in the trace table.
A system dump is taken unless dumps have been specifically suppressed in the dump table.
Message DFHZC0133 is issued.

User Response: Reduce the size of the RAMAX value in the system initialization table (SIT).
For further information, see the CICS Performance Guide.

Destination: Console
Module: DFHZGRP
XMEOUT Parameters: applid, X’code’

DFHZC2304 applid RECEIVE-ANY command rejected. Code: X’code’

Explanation: This message is issued when the ACB has been opened either during initialization or dynamic open. DFHZGRP was initiating the VTAM RECEIVE-ANY’s but VTAM was short on storage or the VTAM HALT QUICK command was issued.

System Action: An exception entry code is made in the trace table.
A system dump is taken unless you have specifically suppressed dumps in the dump table.
If the error occurs during CICS initialization, CICS issues message DFHZC0133 and terminates.

If the error occurs as a result of a CEMT or EXEC CICS SET VTAM OPEN, CICS closes the VTAM ACB.

User Response: The VTAM return code can be found in RTNCD-FDBK2 in the RPL, which is either in the exception trace entry code, or in the RA pool addressed from TCTVRVRA in the system dump.

Use the VTAM Programming manual, (SC31-6436), to determine the cause of the error and the actions necessary to correct it.

After correcting the error, either reinitialize CICS or reopen the VTAM ACB.

Destination: Console
Module: DFHZGRP
XMEOUT Parameters: applid, X'code'

**DFHZC305I applid Termination of VTAM sessions beginning**

Explanation: Either CICS or VTAM is being terminated, or a dynamic close of the VTAM ACB has been requested.

System Action: All CICS-VTAM sessions are closed and the ACB is closed. If termination is not orderly, active transactions are abnormally terminated.

User Response: When VTAM is active, communication may be resumed by using the master terminal operator command CEMT SET VTAM OPEN.

Destination: Console
Module: DFHZSHU
XMEOUT Parameter: applid

**DFHZC307 applid CICS VTAM ABNORMALLY QUIESCING**

(modname).

Explanation: An RPL request has completed without a TCTTE token, for other than a VTAM storage shortage.

System Action: CICS performs a FORCECLOSE of the ACB. CICS may produce this message twice as both module DFHZRAC and module DFHZSYX may detect the condition.

User Response: When VTAM has been restarted, issue a CEMT SET VTAM OPEN.

Note: This message cannot be changed with the message editing utility.

Destination: Console
Modules: DFHZRAC, DFHZSYX

**DFHZC308 applid TCP Task WAIT failed. Unexpected response from DSSR WAIT_OLDW call (RESPONSE X'xx', REASON X'yy').**

Explanation: The TCP task wait has failed. The TCP dispatcher module, DFHZDSP, has received an unexpected response, with response code X'xx' and reason code X'yy' from the DSSR WAIT_OLDW call.

System Action: CICS abends with abend U1800 and a system dump is produced.

User Response: Determine the cause of the TCP task wait failure. Investigate the dump in conjunction with any other accompanying error messages or exception trace entries which may have been issued by dispatch domain.

Destination: Console
Module: DFHZDSP
XMEOUT Parameters: applid, X'xx', X'yy'

**DFHZC309 applid Recovery action requested for connection sysid using mode group modename.**

Explanation: The XZIQUE global user exit program has been invoked by CICS because of a potential problem with the connection. The global user exit has used return code UERCAKLM indicating that throughput on the connection is abnormally low and some exceptional action is required. The poor performance of the connection can be caused by:

- Poor response on the receiving end
- Increased load on the sending end.

The condition may be intermittent. Message DFHZC310 may follow indicating that the mode group has recovered.

System Action: CICS cancels all transactions which have outstanding queued requests to use this mode group.

User Response: Investigate the cause of the poor performance of the mode group. Check the availability and condition of the connected system.

Destination: Console
Module: DFHZISP
XMEOUT Parameters: applid, sysid, modename

**DFHZC310I applid Connection sysid using mode group modename operating normally following recovery action.**

Explanation: Message DFHZC309 has been issued for this mode group. The mode group has now recovered and is operating normally.

System Action: Processing continues.

User Response: None

Destination: Console
Module: DFHZISP
XMEOUT Parameters: applid, sysid, modename

**DFHZC312 *** WELCOME TO CICS ***

Explanation: This is the CICS default good morning message for VTAM LUs. It is displayed unless an alternative GMTEXT has been specified as a system initialization parameter, or the typeterm definition logon message (LOGONMSG) has been set to NO.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User
Module: DFHSIT
DFHZC2316 applid VTAM ACB is closed
Explanation: CICS and VTAM have been disconnected. This may be because:
- CICS is terminating, or
- VTAM is terminating, or
- The CICS master terminal operator has issued
  SET VTAM {CLOSED | IMMCLOSE | FORCECLOSE}
System Action: The VTAM ACB is closed.
User Response: If VTAM has not terminated, connection with VTAM can be reestablished by using master terminal operator commands.
Destination: Console
Module: DFHZSHU
XMEOUT Parameter: applid

DFHZC2318 applid The autoinstall user program programe is not enabled. Module modname.
Explanation: While opening the VTAM ACB, CICS found that no installed program definition exists for the autoinstall user-program programe specified in the SIT.
System Action: Other processing continues.
User Response: If you want to use autoinstall, produce an installed program definition for the autoinstall user-program programe specified in the SIT.
Destination: Console
Modules: DFHSU1, DFHZOPA
XMEOUT Parameters: applid, programe, modname

DFHZC2319 applid Unable to close VTAM ACB RC=xx error code=yy
Explanation: The VTAM ACB CLOSE request failed.
System Action: CICS continues as if the ACB is closed. (It is not really closed.)
User Response: Refer to the VTAM Programming manual for an explanation of the return and error codes.

The return code xx is the VTAM return code in Register 15. The error code yy is the ACB error flag ‘ACBERFLG’.
Destination: Console
Module: DFHZSHU
XMEOUT Parameters: applid, xx, yy

DFHZC2320 CORRUPTED TCTTE ADDRESS FOUND DURING SHUTDOWN.
Explanation: A DFHTC CTYPE=LOCATE macro has returned an error indication while shutting down VTAM. This implies that the TCTTE chain has been corrupted, possibly by an overlay of the table manager control blocks.
System Action: CICS is abnormally terminated with a system dump.
User Response: Investigate the dump to determine the cause of the problem.
Note: This message cannot be changed with the message editing utility.

DFHZC2350A date time applid CICS Terminal Control shutdown threshold (mm minutes) exceeded. Sessions still active: sesslist (instance) Module name: (DFHZSHU)
Explanation: CICS’ attempt to shut down the network has not been completed within the time period allowed. This time period, the terminal control shutdown wait threshold, is specified by the TCSWAIT system initialization parameter.
In the message, mm is the value of TCSWAIT, and sesslist is the VTAM network names of the first 10 (if there are that many) hung VTAM terminals.
System Action:
CICS issues this message to both the CSNE transient data queue and the operating system console. This message is issued to the operating system console with an MVS write to operator (WTO) message descriptor code of 2. This means that the message is held by the operating system (that is, it does not roll off the screen) until the operator deletes it. For each hung VTAM session, message DFHZC2351 is also issued. DFHZC2351 gives further details of the session and is issued only to the CSNE transient data queue. CICS may attempt a FORCECLOSE on the session (see message DFHZC2351 for further details) but otherwise CICS terminal control shutdown continues as normal.

This message, DFHZC2350, is not processed by DFHZNAC (node abnormal condition program), so the condition cannot be intercepted by the installation’s DFHZNEP (node error program). Note however that DFHZC2351 is processed by DFHZNAC and may be intercepted by the installation’s DFHZNEP.
User Response: Note the message, then delete it from the operating system console using the MVS CONTROL E (or K E) system command. See message DFHZC2351 for further guidance.
Destination: Console and Transient Data Queue CSNE
Module: DFHZSHU
XMEOUT Parameters: date, time, applid, mm, sesslist, instance, {1=DFHZSHU}

DFHZC2351 date time applid termid netname Session still active after TC shutdown threshold expired. Reason: {01 Request in progress | 02 Task still active | 03 Waiting for SHUTC | 04 Waiting for BIS | 05 Waiting for UNBIND | 06 Waiting for RTR | 07 BID in progress | 08 Other TC work pending | 99 Undetermined} sense (instance) Module name: (DFHZSHU)
Explanation: CICS’ attempt to shut down the network has not been completed within the time period allowed. The time period, the terminal control shutdown wait threshold, is specified by the TCSWAIT system initialization parameter. This message is issued for each VTAM terminal that is still active (not shut down) after the time period has expired.
In the message termid and netname are respectively, the CICS terminal identifier, and the VTAM network name of the hung terminal. One of the following is also included in the message to indicate the reason for the hang:
01 Request in progress
02 Task still active
03 Waiting for SHUTC
DFHZC2352

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<thead>
<tr>
<th></th>
<th>Description</th>
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<tbody>
<tr>
<td>04</td>
<td>Waiting for BIS</td>
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<td>05</td>
<td>Waiting for UNBIND</td>
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<td>06</td>
<td>Waiting for RTR</td>
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<td>07</td>
<td>BID in progress</td>
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<td>08</td>
<td>Other TC work pending</td>
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<tr>
<td>99</td>
<td>Undetermined</td>
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**System Action:** CICS may attempt a FORCECLOSE on the session but otherwise CICS terminal control shutdown continues normally. Whether CICS attempts a FORCECLOSE depends upon:

- The coding of the TCSACTN system initialization parameter, and
- How the installation’s DFHZNEP (node error program) handles this condition.

If either of the following conditions is true:

- TCSACTN=UNBIND, and this action is not changed by DFHZNEP,
- TCSACTN=NONE, and this action is changed to FORCECLOSE (UNBIND) by DFHZNEP

CICS terminal control issues a VTAM CLSDST and sends an SNA UNBIND command. If neither of the conditions is true, no special action is taken.

**Warning:** Do not perform one of these actions unless there are no other suitable actions to take.

Reason why the terminal does not shut down is more likely to be a problem with the terminal device or the network, than with CICS.

**DFHZC2350**

**Explanation:** CICS’ attempt to shut down the network has not been completed within the time period allowed. The time period, the terminal control shutdown wait threshold, is specified by the TCSWAIT system initialization parameter. This message is issued for the first VTAM intersystem parallel session in each connection (LU Type 6.1 and LU Type 6.2, but not LU Type 6.2 single-session APPC terminals) that is still active (not shut down) after the time period has expired.

In the message **sysid** and **netname** are respectively, the CICS system identifier and the VTAM network name.

**DFHZC2351**

**Explanation:** DFHZC2351 is produced if neither of the conditions is true. The first 10 terminals (if there are that many) reported by this message are also included in message DFHZC2350.

**User Response:** Check the state of the terminal. Check whether the associated DFHZC3437 message includes CLSDST. If DFHZC3437 does not include CLSDST, or it does but the CLSDST still fails to complete, take appropriate action outside of CICS to shut down the terminal.

**DFHZC2352**

**Explanation:** If messages DFHZC2350, DFHZC2351, and DFHZC2352 are issued too early or too late in the shutdown process, take appropriate steps to change the TCSWAIT system initialization parameter on future runs of CICS. Once CICS has initialized, TCSWAIT cannot be changed.

**Destination:** CSNE

**Module:** DFHZSHU

**XMEOUT Parameters:** date, time, applid, termid, netname, {1=DFHZSHU}

**Explanation:** CICS received an unexpected error code from VTAM.

**User Response:** Use the symptom string, and if necessary the transaction dump, to determine the source of the error.

**System Action:** CICS terminates the session. If a task is attached, it is abnormally terminated with a transaction dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

**DFHZC2400**

**Explanation:** CICS transaction dump, to determine the source of the error.

**Destination:** CSNE

**Module:** DFHZSHU

**XMEOUT Parameters:** date, time, applid, termid, tranid, {1=DFHZSYX}
DFHZC2401 E date time applid termid tranid RPL Active. sense (instance) Module name: (DFHZRVL I DFHZRVS I DFHZSDA I DFHZSDL I DFHZSDR I DFHZSDS I DFHZSES I DFHZSKR))

Explanation: CICS attempted to request VTAM services using a request parameter list (RPL) that is currently active. For the meaning of the sense data, see the explanation on page 686.

System Action: CICS terminates the session. If a task is attached, it is abnormally terminated with a transaction dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string, and if necessary, the transaction dump to determine the source of the error.

Destination: CSNE

Modules: DFHZRVS, DFHZSDA, DFHZSDR, DFHZSDS, DFHZSES, DFHZSDL, DFHZRVL, DFHZSKR

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZSDA, 3=DFHZSDR, 4=DFHZSDS, 5=DFHZSES, 6=DFHZSKR, 7=DFHZRVL, 8=DFHZSDL, 9=DFHZRVL, 10=DFHZRVL, 11=DFHZRVL, 12=DFHZSDL}

DFHZC2402 I date time applid termid tranid netname VTAM has returned error on synchronous receive. sense (instance) Module name: (DFHZRZAS)

Explanation: VTAM has indicated that a synchronous receive issued by DFHZRZAS during receive-any slow-down processing did not complete successfully. This indicates a serious mismatch between CICS's view of the state of the session and that of VTAM.

For the meaning of the sense data, see the explanation on page 686.

System Action: The request is ignored. CICS prints the associated session TCTTE on the CSNE transient data destination. The RPL returned by VTAM is included in exception trace entry AP FCA2.

User Response: Determine from the RPL in the exception trace why VTAM raised the error.

Destination: CSNE

Module: DFHZRZAS

XMEOUT Parameters: date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZRZAS}

DFHZC2403 E date time applid termid tranid Bind failure. sense (instance) Module name: (DFHZSYX)

Explanation: An attempt to establish a session has failed. This could be because a physical path to the device could not be found, because the device does not exist or has been defined incorrectly, or because the device has rejected the bind.

For the meaning of the sense data, see the explanation on page 686.

If this is an LU62 or LU61 session and the partner LU has sent sense bytes of X'08350000' and oooo is the offset of the NETNAME in the BIND, this indicates that the partner LU was unable to find a suitable session.

If the sense bytes are X'08010000', this may mean that the partner LU has failed to autoinstall a connection.

If the VTAM RETURN CODE FEEDBACK is X'1018' then Generic Resource is in use but the coupling facility is unavailable.

Instance 1 with sense code '0805' - If this system (TOR2) is a member of a generic resource (GR) and the partner (AOR) is not and an affinity already exists between another member (TOR1) of the same generic resource (GR) and the AOR then this indicates that it is not valid to acquire this connection. This message is normally accompanied by DFHZC2411 instance 36 for the equivalent sessions in the AOR. The DFHZC2411 message is explaining that the AOR cannot find a connection defined with the real name of TOR2. The AOR connection is defined with the Generic Resource name of the TOR.

System Action: Because communication cannot be established with a node, a VTAM CLSDST macro is issued to release any control blocks previously built, and the node could be placed out of service.

User Response: Use the VTAM sense code given in the message to determine the cause of failure. If appropriate, ensure that the node name was included in the network control program/virtual storage (NCP/VS) generation deck and investigate for a possible bad communication line. If the sense bytes were X'08350000' (where oooo is the offset of the NETNAME in the BIND), the partner LU has been unable to find a suitable session. If the partner LU is CICS, look in the partner LU's log for DFHZC2411 and previous messages for the same session. This should give some indication as to why no session could be found.

If LU62 autoinstall is in use and the sense bytes were X'08010000' look in the partner LU's log for message DFHZC2411 and message DFHZC696x which should indicate the reason for failure to autoinstall a connection.

If the VTAM RETURN CODE FEEDBACK is X'1018' the logon can be retried once the coupling facility becomes available.

Instance 1 sense '0805' - Determine if TOR2 was started intentionally with a different APPLID and the same Generic Resource name and if not, correct the problem. If it was and you need a connection between these two systems then you need to end the affinity between AOR and TOR1. The affinity can be ended by:

1. Bring up TOR1, acquire the connection and release it or
2. bring up TOR1 and use ENDAFFIN via CEMT or EXEC CICS or
3. use a batch program described in 'Writing a batch program to end affinities' in the CICS Intercommunication Guide.

However, if the AOR is within the same sysplex as the TOR you should be using MRO connections rather than APPC - you then get no problems with affinities.

If the AOR is outside the sysplex and the connection is acquired from the TOR then you need to use a HUB as described in 'Using a HUB' in the CICS Intercommunication Guide to prevent two TORs from attempting to connect to one AOR using the generic resource name.

Alternatively you can change the AOR connection to address TOR2 by its real name as opposed to its generic resource name and always acquire the connection from the AOR. This implies that you must not use AUTOCONNECT in the TOR connection.

You should release the connection as soon as possible.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX}
DFHZC2404 E  date time applid termid tranid VTAM Detected Logic Error. sense {{(instance) Module name: (DFHZLEX)}}

Explanation: VTAM detected an error in a request. The request was either incomplete or not executable.

For the meaning of the sense data, see the explanation on page 686.

System Action: CICS breaks communication with the node (CLSDST), abnormally terminates any attached task, places the node out of service and produces a transaction dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that all application programs running concurrently have proper addressability, thereby avoiding alteration of CICS control blocks such as the TCTTE or the RPL. If this message occurs during normal system execution, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

This message may also occur if VTAM is terminating. Under these conditions it is not a serious problem, and usually no response is necessary.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZLEX, 2=DFHZLEX, 3=DFHZLEX, 4=DFHZLEX, 5=DFHZLEX, 6=DFHZLEX}

DFHZC2405 E  date time applid termid tranid Node netname not activated. sense {{(instance) Module name: (DFHZSIM | DFHZSIX | DFHZSYX)}}

Explanation: The node was not activated, or was deactivated by the network operator, or a generic resource affinity already exists with another system in the same generic resource.

Instance 6 - If the partner is a member of a generic resource (TOR2) and this system (AOR) is not and an affinity already exists between the AOR and another member of the same generic resource (TOR1) because TOR1 crashed, then VTAM has indicated that you cannot acquire this connection.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding SEND and RECEIVE requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A VTAM CLSDST macro is issued to halt communication with the node, and internal LOGONS are prevented.

If this message is issued during takeover, the acquire is retried at intervals of 1, 2, 4 and 8 minutes after the first attempt. This allows time for sessions which require manual intervention before the acquire can succeed.

User Response: Use the VTAM VARY command to activate the node before using it in the network. Alternatively, for ISC with IMS, enable IMS for LOGONS.

It is possible that the node in question has previously been used as a generic APPLID (or in VTAM terms – a USERVAR). Use the VTAM operator command DISPLAY USERVAR to see if this is the case. If it is, you can use MODIFY USERVAR, OPTION=DELETE,ID=node to delete the USERVAR.

Instance 6 - Determine if TOR2 was started intentionally with a different APPLID and the same GR name and if not, correct the problem. If it was and you need a connection between these two systems then you need to end the affinity between the AOR and TOR1. The affinity can be ended by:
1. Bring up TOR1, acquire the connection and release it cleanly or
2. Bring up TOR1 and use ENDAFFIN via CEMT or EXEC CICS or
3. Use a batch program described in 'Writing a batch program to end affinities' in the CICS Intercommunication Guide.

However, if the AOR is within the same sysplex as the TOR you should be using MRO connections rather than APPC - you then get no problems with affinities.

If the AOR is outside the sysplex and the connection is acquired from the TOR then you need to use a HUB as described in 'Using a HUB' in the CICS Intercommunication Guide to prevent two TORs from attempting to connect to one AOR using the generic resource name.

Alternatively you can change the AOR connection to address TOR2 by its real name as opposed to its generic resource name and always acquire the connection from the AOR. This implies that you must not use AUTOCONNECT in the TOR2 connection.

Destination: CSNE

Modules: DFHZSYX, DFHZSIX, DFHZSIM

XMEOUT Parameters: date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZSIM, 2=DFHZSIM, 3=DFHZSIM, 4=DFHZSIM, 5=DFHZSIM, 6=DFHZSYX, 7=DFHZSYX, 8=DFHZSYX, 9=DFHZSIX, 10=DFHZSYX, 11=DFHZSYX}

DFHZC2406 E  date time applid termid tranid Terminate self command received. sense {{(instance) Module name: (DFHZSYX)}}

Explanation: The logical unit (LU) has requested termination of the session.

For the meaning of the sense data, see the explanation on page 686.

System Action: The VTAM CLSDST macro is issued to stop communications with the node. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}

DFHZC2407 E  date time applid termid tranid Permanent channel failure. sense {{(instance) Module name: (DFHZSYX)}}

Explanation: Network Control Program/Virtual Storage (NCP/VS) was either shut down by the network operator or was abnormally terminated. Alternatively, there could have been a channel failure.

For the meaning of the sense data, see the explanation on page 686.

System Action: Since communication with the logical unit was broken, the VTAM CLSDST macro instruction is issued to release control blocks previously built by VTAM. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Use the supplied dump to check for a possible NCP/VS or channel problem.

Destination: CSNE
Module: DFHZSYX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX}

DFHZC2408 E date time applid termid tranid Apparent VTAM Error. sense ((instance) Module name: (DFHZSYX))

Explanation: VTAM encountered an error during its own processing.

For the meaning of the sense data, see the explanation on page 686.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the sense data to determine the nature of the error.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX, 3=DFHZSYX, 4=DFHZSYX}

DFHZC2409 I date time applid termid tranid VTAM Recovered Node. LOSTERM Error Code X'xx'. sense ((instance) Module name: (DFHZLTX))

Explanation: VTAM successfully reestablished communication with a node. The reason for entering the LOSTERM exit is given by xx, which has one of the following values:

<table>
<thead>
<tr>
<th>Value</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Dial-disconnect on dial-in.</td>
</tr>
<tr>
<td>4</td>
<td>Dial-disconnect on dial-out.</td>
</tr>
<tr>
<td>0C</td>
<td>Deactivate immediate.</td>
</tr>
<tr>
<td>14</td>
<td>Unconditional terminate self.</td>
</tr>
<tr>
<td>1C</td>
<td>Segmenting error.</td>
</tr>
<tr>
<td>20</td>
<td>Conditional terminate self.</td>
</tr>
<tr>
<td>24</td>
<td>BUFLIM value exceeded.</td>
</tr>
</tbody>
</table>

For the meaning of the sense data, see the explanation on page 686.

System Action: CICS reestablishes communication and places the node in service.

User Response: None.

Destination: CSNE

Module: DFHZLTX

XMEOUT Parameters: date, time, applid, termid, tranid, X'xx', sense, instance, {1=DFHZLTX, 2=DFHZLTX, 3=DFHZLTX, 4=DFHZLTX}

DFHZC2410 E date time applid termid tranid Node Unrecoverable. VTAM LOSTERM Error Code X'xx'. sense ((instance) Module name: (DFHZLTX))

Explanation: Communication with a node was interrupted and cannot be reestablished by VTAM. The reason for entering the LOSTERM exit is given by the error code X’ xx’.

For the meaning of the sense data, see the explanation on page 686.

System Action: The VTAM CLSDST macro is issued to release any control blocks previously built for the node. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: See the appropriate VTAM Programming manual for an explanation of the error code.

Destination: CSNE

Module: DFHZLTX

XMEOUT Parameters: date, time, applid, termid, tranid, X’xx’, sense, instance, {1=DFHZLTX, 2=DFHZLTX, 3=DFHZLTX, 4=DFHZLTX}

DFHZC2411 E date time applid termid tranid nodeid attempted invalid logon. sense ((instance) Module name: (DFHTFP | DFHZATA | DFHZBLX | DFHZLGX | DFHSX | RESERVE))

Explanation: Node nodeid attempted to log on to CICS but the logon is invalid.

The nodeid in the message will always start with the ‘netname’ of the node attempting to connect to CICS. For some instances of the message resulting from an LU6.2 log on, the modename of the session will be concatenated to the ‘netname’ with a dot separator. Since a string consisting of eight blanks is the default modename, this can lead to idiosyncratic formatting of the message.

If the message is issued by DFHZATA, CICS has failed in its attempt to autoinstall the terminal or connection.

The instance instance is one of the following:

1. For LU6.1 no suitable TCTTE can be found, or no session TCTTE exists. This could occur for one of the following reasons:
   - The bind did not contain a modename.
   - There is an RDO definition for a member name connection in a generic resource communicating with another generic resource over an LU6.1 link.
2. No PLUNAME has been found in the LU6.2 bind processed by CICS.
3. An attempt to autoinstall a member name connection in a generic resource system has failed because the bind was not for a SNA service manager.
4. Autoinstall is not allowed because the system is terminating.
5. Autoinstall is not allowed because the VTAM ACB is closing.
6. ISC support is not present because ISC=NO specified in the SIT.
7. Used by DFHZATA for several reasons, for example BIND bad and user exit bad.
8. The TCTTE address restored and the address found by NIBSEARCH do not agree.
9. The system is terminating.
10. VTAM is terminating.
11. RESERVED.
12. RESERVED.
13. No address is present in the RPL.
14. LU6.1 cannot autoinstall.

If both CICS systems are registered as different generic resources, the LU61 connections must be defined with each other’s generic resource netnames; they cannot communicate by member name. In this case CICS looked for the generic resource netname and was unable to find it.

15. ISC support is not present.
A CINIT arrived for an APPC parallel session. This is not supported. All input for an APPC parallel session should be via a BIND. Also, no connection exists with this NETNAME.

Session is not bound.

LU is not enabled. Typically it is an XRF alternate CICS.

A second CINIT with the same netname has arrived.

Logon rejected due to CATA end.

A CINIT initiated by SIMLOGON occurred for an APPC parallel session. A matching connection exists, but it is being deleted. This should not occur because either the delete should have been cancelled (if it had been scheduled but not started) or the SIMLOGON should have been queued until the delete was attempted and fails because there is SIMLOGON activity.

A BIND was received for an LU6.1 connection. This CICS is registered as a generic resource but the partner addressed CICS by its MEMBER name instead of its generic resource name.

Change the partner’s connection definition for this system to use a NETNAME of this system’s generic resource name.

An unsolicited APPC parallel session CINIT was received by the logon exit. CICS does not support this.

A CINIT was received for an LU6.1 connection. This CICS is registered as a generic resource but the partner addressed CICS by its MEMBER name instead of its generic resource name.

Change the partner’s connection definition for this system to use a NETNAME of this system’s generic resource name.

A BIND was received for an LU6.1 connection. This CICS is registered as the same generic resource as the partner. However, the partner addressed CICS by the generic resource name instead of the member name which it should use for intra-plex communication.

Change the partner’s connection definition for this system to use a NETNAME of this system’s member name.

A CINIT was received for an LU6.1 connection. This CICS is registered as the same generic resource as the partner. However, the partner addressed CICS by the generic resource name rather than the member name which it should use for intra-plex communication.

Change the partner’s connection definition for this system to use a NETNAME of this system’s member name.

An LU62 bind was received for the netname specified. CICS has found a connection with the relevant netname but the connection was not defined as APPC.

A system entry for the connection indicated by the bind has been found but none of its sessions are usable.

No modename field UDSS02 was found in the bind.

Examination of the session tctte has indicated it to be out of service, a non-SNA service manager session and to have the associated connection released.

An attempt to autoinstall a GR name or XRF connection has failed because the bind was not for a SNA service manager.

This bind is a SNA service manager request for an existing partner.

There is a problem with the user data supplied in the bind. Specifically one of the following:

- There is no user data.
- The user data supplied is too short.
- The user data is not architected.

A delete is pending for the connection found. This delete is for a non-transient terminal definition and has been requested explicitly.

For a non-generic resource request, examination of the bind has indicated that it is not for a SNA service manager. This instance also indicates that you should not acquire this connection if the partner is a member of a generic resource, and this system is not, and an affinity already exists between this system and another member of the same generic resource. See message DFHZC2403, which is issued for the partner’s equivalent sessions, for how you correct the situation.

The current session count has exceeded the maximum session count indicated in the mode group entry.

An attempt to acquire a generic resource connection failed because there is a member name connection defined for the generic resource member to which VTAM has chosen to route it.

This CICS has deregistered from a generic resource but a remote partner is attempting to bind an APPC session using a generic resource name. This indicates that VTAM affinities have not been ended on both sides.

This CICS has deregistered from a generic resource but a remote partner is attempting to bind an LU6.1 session using a generic resource name. This indicates that VTAM affinities have not been ended on both sides.

For the meaning of the sense data, see the explanation on page 686.

If ????????? is displayed in the second half of the nodeid field, the BIND may contain a SESSION QUALIFIER or MODENAME with an invalid length.

System Action: The logon is rejected. If the reject is from DFHZSCX via the dummy TCTTE, an attempt is made to print the failing BIND and sense code with which it was rejected as part of the message.

User Response: Use the instance number to determine why the attempted logon has been rejected and take the appropriate action.

Destination: CSNE

Modules: DFHZLGX, DFHZSCX, DFHZATA, DFHZBLX

XMEOUT Parameters: date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZSCX, 2=DFHZBLX, 3=DFHZBLX, 4=DFHZBLX, 5=DFHZBLX, 6=DFHZBLX, 7=DFHZATA, 8=DFHZLGX, 9=DFHZLGX, 10=DFHZLGX, 11=DFHZSCX, 12=RESERVE, 13=DFHZLGX, 14=DFHZLGX, 15=DFHZLGX, 16=DFHZLGX, 17=DFHZLGX, 18=DFHZLGX, 19=DFHZLGX, 20=DFHZLGX, 21=DFHTFP, 22=DFHZLGX, 23=DFHZSCX, 24=DFHZLGX, 25=DFHZLGX, 26=DFHZSCX, 27=DFHZLGX, 28=DFHZBLX, 29=DFHZBLX, 30=DFHZBLX, 31=DFHZBLX, 32=DFHZBLX, 33=DFHZBLX, 34=DFHZBLX, 35=DFHZBLX, 36=DFHZBLX, 37=DFHZBLX, 38=DFHZLGX, 39=DFHZBLX, 40=DFHZSCX}
DFHZC2412  E date time applid termid tranid Receive any request failed. sense ((instance) Module name: (DFHZRAC))

Explanation: A receive-any request to VTAM failed. VTAM was terminated.

For the meaning of the sense data, see the explanation on page 686.

System Action: The VTAM RPL control block is logged to the CSMT log for visual inspection.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the reason why the receive-any failed. First, check to see if the VTAM RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the VTAM Programming manual, (SC23-0115), during problem determination.

Destination: CSNE
Module: DFHZRAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZRAC}

DFHZC2413  E date time applid termid tranid nodeid CLSDST failed. sense ((instance) Module name: (DFHTFP | DFHZATA | DFHZLGX))

Explanation: A CLSDST request for the node identified by nodeid failed. VTAM may not have sufficient space to respond to the request.

For the meaning of the sense data, see the explanation on page 686.

System Action: No further communication with the node is initiated.

User Response: Inspect the CSNE, CSMT and CSTL logs for indication of a VTAM storage problem or error message. Also check for any messages indicating an I/O problem.

Destination: CSNE
Modules: DFHTFP, DFHZATA, DFHZLGX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZATA, 2=DFHZLGX}

DFHZC2414  E date time applid termid tranid Temporary VTAM Storage Problem. sense ((instance) Module name: (DFHZSYX))

Explanation: Temporary VTAM storage problem. VTAM is currently short of storage.

For the meaning of the sense data, see the explanation on page 686.

System Action: The failing VTAM request is retried until VTAM is able to accept it.

User Response: Increase the VTAM working buffer storage if this condition recurs and causes undue problems.

Destination: CSNE
Module: DFHZSYX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}

DFHZC2415  E date time applid termid tranid Node netname out of service. sense ((instance) Module name: (DFHZNAC))

Explanation: A node error condition has occurred on node nodeid.

For the meaning of the sense data, see the explanation on page 686.

System Action: CICS places the node out of service.

User Response: Use the sense data to determine the nature of the error.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZNAC}

DFHZC2416  E date time applid termid tranid VTAM is halting. sense ((instance) Module name: (DFHZSYX))

Explanation: A VTAM HALT command was entered by the network operator while a SIMLOGON or OPNDST request was in progress. The instance number indicates what type of halt was requested:

1 Orderly shutdown
2 Quick shutdown.

For the meaning of the sense data, see the explanation on page 686.

System Action: The VTAM network is quiesced to prevent further requests and the node is placed out of service.

User Response: None.

Destination: CSNE
Module: DFHZSYX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX}

DFHZC2417  E date time applid termid tranid VTAM Inactive to TCB. sense ((instance) Module name: (DFHZCXS | DFHZCXL | DFHZOPN | DFHZOPX | DFHZRAC | DFHZRLP | DFHZRST | DFHZRVL | DFHZRVS | DFHZRVX | DFHZSDA | DFHZSDL | DFHZSDR | DFHZSDS | DFHZSES | DFHSSIM | DFHSIX | DFHZSKR | DFHZSLX | DFHSTAX | DFHZSDA)

Explanation: Either CICS has not opened its VTAM ACB or VTAM has halted.

For the meaning of the sense data, see the explanation on page 686.

System Action: The VTAM network is quiesced to prevent further requests and a dump is produced.

User Response: If VTAM was not halted by the network operator, use the supplied dump to determine the problem.

Destination: CSNE
Modules: DFHZSYX, DFHZCXL, DFHZCXS, DFHZOPN, DFHZOPX, DFHZRAC, DFHZRLP, DFHZRST, DFHZRVL, DFHZRVS, DFHZRVX, DFHZSDA, DFHZSDL, DFHZSDR, DFHZSDS, DFHZSES, DFHSSIM, DFHSIX, DFHZSKR, DFHZSLX, DFHSTAX, DFHZSDA
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZOPX, 2=DFHZCXS, 3=DFHZOPN, 4=DFHZRLP,
DFHZC2418 E date time applid termid tranid Unknown command in RPL. sense (instance) Module name: (DFHZSEX)

Explanation: An unknown command was detected in the VTAM request parameter list (RPL) by the CICS SESSIONC exit routine. The RPL address could be invalid or the RPL could have been altered.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

A CLSDST is issued to halt communication with the node, and the node is placed out of service.

User Response: First, check if the VTAM RPL has an invalid address. If the address is valid, check to see if the RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the VTAM Programming manual, (SC23-0115), while carrying out problem determination.

Destination: CSNE

Module: DFHZSEX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZSEX, 2=DFHZSEX)

DFHZC2419 E date time applid termid tranid Unknown command in RPL. sense (instance) Module name: (DFHZRAC | DFHZSLX | DFHZSXX)

Explanation: An unknown command was detected in the request parameter list (RPL) by the send-data-flow synchronous exit routine. The RPL address could be invalid or the RPL could have been altered.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

A VTAM CLSDST macro is issued to halt communication with the node, and the node is placed out of service.

User Response: In the first instance, check if the VTAM RPL has an invalid address. If the address is valid, check to see if the RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the VTAM Programming manual, (SC23-0115), while carrying out problem determination.

Destination: CSNE

Module: DFHZSXX, DFHZSLX, DFHZRAC

DFHZC2420 E date time applid termid tranid Unknown command in RPL. sense (instance) Module name: (DFHZSAX)

Explanation: An unknown command was detected in the request parameter list (RPL) by the send-data-flow asynchronous exit routine. The RPL address could be invalid or the RPL could have been altered.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

A VTAM CLSDST macro is issued to halt communication with the node, and the node is placed out of service.

User Response: In the first instance, check if the VTAM RPL has an invalid address. If the address is valid, check to see if the RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the VTAM Programming manual, (SC23-0115), while carrying out problem determination.

Destination: CSNE

Module: DFHZSAX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZSAX)

DFHZC2421 E date time applid termid tranid Unsupported command received. sense (instance) Module name: (DFHZRAC | DFHZRLP | DFHZRVRX)

Explanation: An unknown command or request was detected, or the RPL contains logical unit (LU) status.

For the meaning of the sense data, see the explanation on page 686.

System Action: If an invalid command or request was detected, all outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A VTAM CLSDST macro is issued to halt communication with the node.

For ISC sessions, this error may be caused by specifying incompatible session types at each node. (For example, SESSIONTYPE=SEND in one node and SESSIONTYPE=FASTRECV in the other node.)

If the RPL contains logical unit (LU) status, one of the following messages is issued: DFHZC2461, DFHZC2462, DFHZC2464, DFHZC2465, or DFHZC2466.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: An invalid command or request indicates inconsistencies or errors in the definitions of the named terminals/sessions in CICS, VTAM or the connected system for LU6 sessions. Ensure that these definitions are consistent and correct for the device or session characteristics.
Chapter 1. DFH messages

DFHZC2422 E date time applid termid tranid ZCP Logic Error. sense (c instance) Module name: (DFHZARL | DFHZDET | DFHZERH | DFHZEV1 | DFHZEV2 | DFHZNAC | DFHZOPN | DFHZRAC | DFHZRVS | DFHZSDS | DFHZSIM | DFHZSKR | DFHZSLX | DFHZSSX)

Explanation: During terminal processing, CICS detected an invalid internal state in DFHZCP.

Instance 1 of the message could be caused by a loss of data following a persistent sessions restart in a partner system. In this case, no logic error has occurred because any updates are backed out. This normally follows an AZCD for the same session and the message DFH2C0144 for the partner session.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged, and the task is abnormally terminated with a transaction dump. The node is placed out of service and the TCTTE, RPL, and action flags are logged to the CSMT destination for debugging purposes.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the application programs running concurrently do not alter the TCTTE. If the TCTTE is not altered, use the dump to locate the source of the error.

It may be useful to examine the debugging data printed on the CSMT log for clues about what possibly went wrong.

Destination: CSNE

Modules: DFHZARL, DFHZDET, DFHZERH, DFHZEV1, DFHZEV2, DFHZOPN, DFHZRAC, DFHZRVS, DFHZSDS, DFHZSIM, DFHZSKR, DFHZSLX, DFHZNAC, DFHZSSX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZZDET, 2=DFHZZSIM, 3=DFHZZRESERVE}

DFHZC2423 E date time applid termid tranid Attempted to send unsupported command. sense (c instance) Module name: (DFHZZSDS)

Explanation: A request to send data synchronously was incomplete. Possible reasons are as follows:

1. The TCTTE was altered.
2. A logic error was encountered.
3. The TCTTE was inadvertently placed on the send-synchronous queue.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro instruction.

User Response: For reasons 1 to 3 listed above, ensure that application programs running concurrently do not alter the TCTTE.

If you suspect a logic error (2), check that the VTAM RPL has not been corrupted. If you still cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSNE

Module: DFHZZSDS

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZZSDS}

DFHZC2424 E date time applid termid tranid SESSIONC command request invalid. sense (c instance) Module name: (DFHZZSES | DFHZRESERVE)

Explanation: A SESSIONC request is incomplete or invalid. Possible reasons are as follows:

1. The TCTTE was altered.
2. The command request bits are incomplete. DFHZZSES checks TCTEISDT for a Start Data Traffic (SDT) command, TCTEISTS for a Set and Test Sequence Number (STSN) command, and TCTEICLR for a CLEAR command. If it does not find any of these, DFHZZSES causes the message to be issued.
3. The wrong request was queued to SESSIONC.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Communication with the node is terminated by issuing the VTAM CLSDST macro instruction.

User Response: Ensure that application programs running concurrently do not alter the TCTTE.

If the TCTTE is not altered, check for conditions 2 or 3.

Destination: CSNE

Module: DFHZZSES

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZZSES, 2=DFHZZSES, 3=DFHZRESERVE}
DFHZC2425 E date time applid termid tranid ASYNC command request invalid. sense ((instance) Module name: (DFHZSDA))

Explanation: A request to send data asynchronously was incomplete or invalid. This condition can be caused by the TCTTE being altered.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

Communication with the node is terminated by issuing the VTAM CLSDST macro instruction.

User Response: Check the TCTTE. Ensure that application programs running concurrently do not alter the TCTTE.

Destination: CSNE
Module: DFHZSDA
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZSDA, 2=DFHZSDA)

DFHZC2426 E date time applid termid tranid Node Status Error. Node is out of service or receive only. sense ((instance) Module name: (DFHZZATT))

Explanation: Input was received from a node identified either as output-only or as permanently out of service.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Change the terminal entry in the TCT to indicate that the node is an output-only device. If the node is out of service, the master terminal operator should place the node back into service.

Destination: CSNE
Module: DFHZZATT
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZZATT, 2=DFHZZATT, 3=DFHZZATT)

DFHZC2427 I date time applid termid tranid NCP Restarted. sense ((instance) Module name: (DFHZSYX))

Explanation: Network Control Program/Virtual Storage (NCP/VS) has been restarted after failing during an OPNDST.

For the meaning of the sense data, see the explanation on page 686.

System Action: The OPNDST request is reissued.

User Response: None.
Destination: CSNE
Module: DFHZSYX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZSYX)

DFHZC2428 E date time applid termid tranid Send DFSYN request incomplete. sense ((instance) Module name: (DFHZZDS))

Explanation: A send-synchronous request was issued without indicating that either a command or data was to be sent.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check the VTAM RPL for obvious errors.
Ensure that application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the symptom string, and if necessary, the dump to determine the source of the error.

Destination: CSNE
Module: DFHZDS
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZDS)

DFHZC2429 E date time applid termid tranid RESETSR request invalid RTYPE. sense ((instance) Module name: (DFHZRST))

Explanation: An invalid RESETSR request was made in the VTAM macro issued by CICS. The invalid request can be because an RTYPE was not specified or was incorrectly specified, or the TCTTE was altered.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check the VTAM RPL for obvious errors.
Ensure that application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the symptom string, and if necessary, the dump to determine the source of the error.

Destination: CSNE
Module: DFHZRST
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZRST, 2=DFHZRST, 3=DFHZRST)

DFHZC2430 E date time applid termid tranid Send response command request invalid. sense ((instance) Module name: (DFHZZDSR))

Explanation: A send-response request was invalid. Either the request did not specify the response level (DR1 or DR2), or the TCTTE was altered.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump and the node is placed out of service.
DFHZC2431 E date time applid termid tranid Request to a released node. sense ((instance) Module name: (DFHZSYX))

Explanation: CICS requested VTAM to perform a close destination for a node currently “owned” by CICS.

For the meaning of the sense data, see the explanation on page 686.

System Action: If the CICS ACB is open, all outstanding requests are purged, the task is abnormally terminated with a transaction dump if a task is attached, and the node is placed out of service. If however, the ACB is already closed, the only action taken is to place the node out of service.

User Response: If the CICS ACB is open, use the dump to determine the source of the error. Check that the TCTTE is valid.

Destination: CSNE
Module: DFHZSYX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}

DFHZC2432 E date time applid termid tranid Exception response received. sense ((instance) Module name: (DFHZRAC | DFHZRXV | DFHZSSX))

Explanation: CICS has received an exception response.

For the meaning of the sense data, see the explanation on page 686.

System Action: Another CICS message is issued in conjunction with this message.

User Response: Perform the action specified for the associated CICS message.

Destination: CSNE
Modules: DFHZRAC, DFHZRXV, DFHZSSX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZRXV, 3=DFHZRXV, 4=DFHZRXV, 5=DFHZRXV, 6=DFHZRXV, 7=DFHZRXV, 8=DFHZSSX, 9=DFHZSSX, 10=DFHZSSX, 11=DFHZSSX, 12=DFHZRAC, 13=DFHZRAC, 14=DFHZRAC, 15=DFHZRAC, 16=DFHZRAC, 17=DFHZRAC, 18=DFHZRAC, 19=DFHZRAC, 20=DFHZRAC, 21=DFHZRAC, 22=DFHZRAC, 23=DFHZRAC}

DFHZC2433 E date time applid termid tranid nodeid Logon has failed because autoinstall is disabled. sense ((instance) Module name: (DFHZBLX | DFHZLGX))

Explanation: Node nodeid attempted to log on to CICS. The logon has failed because autoinstall is disabled. Possible reasons are:

- An error has been detected in CICS terminal attach processing.
- The system is short on storage. Autoinstall is reenabled once the SOS condition ends.

System Action: The logon is rejected.

User Response: Ensure that the value for the AIQMAX system initialization parameter is greater than zero. If an autoinstall user program has been specified for system initialization parameter AIEXIT, check that the program name has been defined to CICS. See the CICS System Definition Guide for further information about autoinstall parameters.

If the system is short on storage, see the associated messages for further guidance.

Destination: CSNE
Modules: DFHZLGX, DFHZSCX, DFHZBLX
XMEOUT Parameters: date, time, applid, termid, nodeid, sense, instance, {1=DFHZLGX, 2=DFHZLGX, 3=DFHZBLX, 4=DFHZBLX}

DFHZC2434 E date time applid termid tranid Invalid copy request - Copy not supported. sense ((instance) Module name: (DFHZARQ))

Explanation: A DFHTC TYPE=COPY request has been issued to a 3270 compatibility mode logical unit. The request is invalid because the 3270 COPY command is not supported by a 3270 compatibility mode logical unit.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task abends.

User Response: Change the application program to avoid issuing a COPY request.

Destination: CSNE
Module: DFHZARQ
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZARQ}

DFHZC2435 E date time applid termid tranid RPL missing. sense ((instance) Module name: (DFHZRVS))

Explanation: CICS issued a receive-specific request VTAM without specifying a request parameter list (RPL). This condition could result from one of the following reasons:

- An RPL was not allocated
- An RPL was allocated, but later freed
- TCTERPLA was altered.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A CLSDST macro is issued to terminate communication with the node.

User Response: Use the dump to determine whether the TCTTE was altered by an application program. If it was, correct the error. If the TCTTE has not been altered, check for potential RPL problems.

Destination: CSNE
Module: DFHZRVS
DFHZC2436 E date time applid termid tranid TIOA missing. sense ((instance) Module name: (DFHZRVS I DFHZRVX))

Explanation: The TIOA was missing while a receive-specific request was being processed. This condition could result from the TIOA being freed or TCTTEDA being altered.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Use the dump to determine if the TCTTE was altered by an application program.

Destination: CSNE
Modules: DFHZRVS, DFHZRVX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZRVX, 3=DFHZRVS}

DFHZC2437 E date time applid termid tranid Invalid WRITE request to an input only device. sense ((instance) Module name: (DFHZSDS))

Explanation: An output request was issued to a VTAM terminal that is defined as an input-only device. Either the TCTTETS was altered or a task that was attached issued a send request.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The terminal status remains unchanged.

User Response: Either ensure that the node is defined correctly in the TCTTE, or prevent the task from issuing an output request to the node.

Destination: CSNE
Module: DFHZSDS
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS}

DFHZC2438 E date time applid termid tranid Invalid READ request to an output only device. sense ((instance) Module name: (DFHZRVS I DFHZSDS))

Explanation: An input request was issued to a VTAM terminal that is identified as an output-only device. Either the TCTTETS was altered or a task was attached that issued a read request.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The terminal status remains unchanged.

User Response: Either change the definition of the terminal in the TCTTE, or prevent the task from issuing input requests to the node.

Destination: CSNE
Modules: DFHZRVS, DFHZSDS
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZSDS}

DFHZC2439 E date time applid termid tranid Invalid RESUME request. sense ((instance) Module name: (DFHZACT))

Explanation: An invalid resume request was received. The CICS activate-scan function detected a resume request in a TCTTE, but the TCTTE was not part of any transaction.

For the meaning of the sense data, see the explanation on page 686.

System Action: The TCTTE is printed and logged to the CSNE destination for debugging purposes.
Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string to determine the cause of the problem. Check the TCTTE data printed and logged to the CSNE destination for obvious alterations and errors.

Destination: CSNE
Module: DFHZACT
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZACT}

DFHZC2440 I date time applid termid tranid CICS quiesced by node. sense ((instance) Module name: (DFHZASX))

Explanation: A VTAM logical unit has requested CICS to quiesce all I/O activity with that node.

For the meaning of the sense data, see the explanation on page 686.

System Action: All data transmission to the node is halted until CICS receives a release-quiesce indicator.

User Response: None.

Destination: CSNE
Module: DFHZASX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZASX}

DFHZC2441 I date time applid termid tranid CICS released by node. sense ((instance) Module name: (DFHZASX))

Explanation: CICS received a release-quiesce indicator from a VTAM logical unit that had previously quiesced CICS.

For the meaning of the sense data, see the explanation on page 686.

System Action: Data transmission to the node is resumed by CICS.

User Response: None.

Destination: CSNE
Module: DFHZASX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZASX}
**Chapter 1. DFH messages**

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**DFHZC2442** E date time applid termid tranid Exception response received to a definite response send. sense 
((instance) Module name: (DFHZRVRX))

**Explanation:** An exception response was received when a definite response protocol was requested.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS issues a second message in conjunction with this message that explains the reason for the exception response.

**User Response:** Perform the action specified for the second CICS message received.

**Destination:** CSNE

**Module:** DFHZRVRX

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZRVRX, 2=DFHZRVRX}

---

**DFHZC2443** E date time applid termid tranid Request outstanding when node released. sense 
((instance) Module name: (DFHZRVL I DFHZRVS I DFHZSDL I DFHZSDS I DFHZSHU))

**Explanation:** CICS received a request from an application program, when its node was either not in session or queued to be CLSDSTed.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding requests are ignored. If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** None.

**Destination:** CSNE

**Modules:** DFHZSDS, DFHZRVL, DFHZRVS, DFHZSDL, DFHZSHU

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZSDL, 3=DFHZSDS, 4=DFHZSDS, 5=DFHZSDS, 6=DFHZSHU, 7=DFHZSHU, 8=DFHZRVL, 9=DFHZSHU}

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**DFHZC2444** E date time applid termid tranid CICS bracket state error. sense 
((instance) Module name: (DFHZRVS I DFHZSDS))

**Explanation:** A CICS application program violated bracket protocol. It is possible that the application program issued an I/O request following a write (last) request.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** Correct the application program.

**Destination:** CSNE

**Modules:** DFHZRVS, DFHZSDS

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZSDS}

---

**DFHZC2445** E date time applid termid tranid Output area exceeded. sense 
((instance) Module name: (DFHZSDS))

**Explanation:** The TIOA was not large enough to hold all the output data. The application program either set up the TIOA incorrectly or it overran the TIOA.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** Correct the application program to acquire a larger TIOA.

**Destination:** CSNE

**Module:** DFHZSDS

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS, 2=DFHZSDS}

---

**DFHZC2446** E date time applid termid tranid Invalid response to a bid. sense 
((instance) Module name: (DFHZRAC I DFHZRVRX I DFHZSSX))

**Explanation:** An invalid response was received for a bid request. A normal response was received in response to a bid indicator while the transaction was in bracket state. The controller application program is in error.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro instruction, and the node is placed out of service.

**User Response:** Correct the controller application program to return an exception response to a bid indicator when in the bracket state, followed by a ready-to-receive indicator when ready to honor the bid.

**Destination:** CSNE

**Modules:** DFHZRAC, DFHZRVRX, DFHZSSX

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZRVRX, 2=DFHZSSX, 3=DFHZRAC}

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**DFHZC2447** E date time applid termid tranid A severe error has occurred as a result of a previous failure. sense 
((instance) Module name: (DFHZACT I DFHZFRE I DFHZGET I DFHZOPN I DFHZRAC I DFHZRLP I DFHZRVS I DFHZSDA))

**Explanation:** A domain call failed and the response could not be handled by module modname because of a previous failure. The domain concerned should have issued a message to the console which gives further information about the failure.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding send and receive requests for terminal termid are purged. If a task is attached, it is abnormally terminated with a transaction dump. Terminal termid is placed out of service and the TCTTE is logged to the CSNE destination.

**User Response:** Refer to the message issued by the domain that is in error. It indicates the source of the original error.
### DFHZC2448 E

**Destination:** CSNE  
**Modules:** DFHZRAC, DFHZRVS, DFHZSDA, DFHZOPN, DFHZFR, DFHZRLP, DFHZACT, DFHZGET  
**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZOPN, 2=DFHZRVS, 3=DFHZSDA, 4=DFHZRAC, 5=DFHZOPN, 6=DFHZSDA, 7=DFHZOPN, 8=DFHZFR, 9=DFHZRLP, 10=DFHZACT, 11=DFHZGET, 12=DFHZGET, 13=DFHZOPN}

**Explanation:**  
An invalid response was requested. An application program transmitted data to CICS without requesting a response from CICS.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

**User Response:** Correct the application program.

**Destination:** CSNE  
**Modules:** DFHZRAC, DFHZRVS  
**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZRVS, 3=DFHZRAC}

### DFHZSCX

**Explanation:**  
The application program either sent a begin-bracket indicator while the transaction was in bracket state, or sent an end-bracket indicator.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro, and the node is placed out of service.

**User Response:** Correct the application program.

**Destination:** CSNE  
**Modules:** DFHZRAC, DFHZRVS  
**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZRVS, 3=DFHZRAC, 4=DFHZRAC}

### DFHZC2449 E

**Explanation:**  
The application program either sent a begin-bracket indicator while the transaction was in bracket state, or sent an end-bracket indicator.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro, and the node is placed out of service.

**User Response:** Correct the application program.

**Destination:** CSNE  
**Modules:** DFHZRAC, DFHZRVS  
**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZRVS, 3=DFHZRAC, 4=DFHZRAC}

### DFHZC2450 E

**Explanation:**  
An automatic task initiation (ATI) request was issued without an ATI pending for that terminal.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS will satisfy the BB pending condition by sending a standalone BB-EB.

**User Response:** If ATI is time-initiated, increase the timer value.

**Destination:** CSNE  
**Modules:** DFHZRAC, DFHZRVS, DFHZSSX

### DFHZC2451 E

**Explanation:**  
A request was outstanding when clear was issued. A receive-specific request was pending when a clear indicator was issued. A clear indicator is sent when any of the following occurs:

- The logical unit is lost (LOSTERM).
- CICS issues a VTAM CLSDST macro.
- CICS issues the clear during message resynchronization.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** None.

**Destination:** CSNE  
**Module:** DFHZSYX  
**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}

### DFHZC2452 E

**Explanation:**  
CICS received an invalid command (VTAM indicator). The CICS session-control input exit-routine (SCIP) encountered an indicator other than request-recovery. This routine should be scheduled only when a request-recovery indicator is received from the controller application program.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** If a task is attached, it is abnormally terminated with a transaction dump. The session is terminated and the node is placed out of service.

**User Response:** Check the VTAM RPL for obvious errors. Use the dump to help determine the source of the problem.

**Destination:** CSNE  
**Module:** DFHZSCX  
**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}

### DFHZC2453 E

**Explanation:**  
A request for recovery was received. The secondary logical unit requested message resynchronization by sending a request-recovery indicator, but a message sequence number is inconsistent with the sequence number maintained by the 3601 application program.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Message resynchronization is then initiated by CICS.
Chapter 1. DFH messages

DFHZC2454 E date time applid termid tranid Exception in chain. sense ((instance) Module name: (DFHZSYX))

Explanation: An exception response was returned on a POST=RESP chain-data send. CICS normally does not send chained data using POST=RESP.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string, and if necessary the transaction dump, to determine the source of the error.

Destination: CSNE
Module: DFHZSYX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZSYX)

DFHZC2455 E date time applid termid tranid in CA mode - Task attached. sense ((instance) Module name: (DFHZATT))

Explanation: An attempt to attach a task to a logical unit (LU) was made, despite the task being in continue-any (CA) mode. However, terminal termid already had a task attached to it.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task that is already attached to terminal termid is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem. Communication with the node is terminated by issuing the VTAM CLSDST macro. CICS then reestablishes communication with the node by issuing the SIMLOGON macro.

User Response: Use the symptom string, and if necessary the dump, to determine the source of the error. Try to determine why there was an attempt to attach a task to terminal termid while it already had a task attached to it.

Destination: CSNE
Module: DFHZATT
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZATT)

DFHZC2456 E date time applid termid tranid Exception response received to a command. sense ((instance) Module name: (DFHZRAC I DFHZSYX))

Explanation: CICS received an exception response to a command (VTAM indicator) that it sent to a logical unit.

For the meaning of the sense data, see the explanation on page 686.

System Action: In conjunction with this message, CICS issues a second message that explains the reason for the exception response.

User Response: Perform the action specified in the second CICS message received.

Destination: CSNE
Modules: DFHZSYX, DFHZSSX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZSYX, 2=DFHZSYX, 3=DFHZSYX, 4=DFHZRAC)

DFHZC2457 E date time applid termid tranid Multiple Errors Encountered. sense ((instance) Module name: (DFHZEMW I DFHZRAC I DFHZSYX))

Explanation: A node encountered consecutive errors. That is, the node abnormal condition program, NACP, encountered a second error while processing the first error.

For the meaning of the sense data, see the explanation on page 686.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro. The first error is accompanied by an error message.

User Response: Use the dump to determine the source of the errors. Refer to the error message produced by the first problem and to any VTAM messages that may have been issued.

Destination: CSNE
Modules: DFHZRAC, DFHZSYX, DFHZEMW
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZEMW, 2=DFHZSYX, 3=DFHZSYX, 4=DFHZRAC, 5=DFHZRAC)

DFHZC2458 E date time applid termid tranid Exception response received to an exception response send. sense ((instance) Module name: (DFHZRAC I DFHZRVX))

Explanation: CICS received an exception response to a send for which an exception response was requested.

For the meaning of the sense data, see the explanation on page 686.

System Action: In conjunction with this message, CICS issues a second message that explains the reason for the exception response.

User Response: Perform the action specified in the second CICS message received.

Destination: CSNE
Modules: DFHZRAC, DFHZRVX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZRVX, 2=DFHZRVX, 3=DFHZRVX, 4=DFHZRVX, 5=DFHZRAC, 6=DFHZRAC, 7=DFHZRAC, 8=DFHZRAC, 9=DFHZRAC, 10=DFHZRAC, 11=DFHZRAC, 12=DFHZRAC)
DFHZC2459 E date time applid termid tranid No TIOA available for send. sense ((instance) Module name: (DFHZSDS))

Explanation: TCTTEDA was not loaded before issuing a DFHTC TYPE=WRITE, or it was inadvertently cleared.

For the meaning of the sense data, see the explanation on page 686.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. The send is purged.

User Response: Ensure that TCTTEDA is loaded with the TIOA address before issuing the write.

Destination: CSNE
Module: DFHZSDS
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS, 2=DFHZSDS}

DFHZC2460 E date time applid termid tranid Sense receive not supported. sense ((instance) Module name: (DFHZNAC))

Explanation: Sense codes not supported by CICS were received from the logical unit.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro, and the node is placed out of service.

User Response: The user’s node error program (DFHZNEP) can process the sense codes.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC2461 E date time applid termid tranid Intervention required. sense ((instance) Module name: (DFHZNAC))

Explanation: Operator action is requested for a physical component of terminal termid before a request can be completed.

For the meaning of the sense data, see the explanation on page 686.

System Action: The request is retried, unless the device is one that sends a logical unit status message after intervention is required. In the latter case, the relevant system action is taken.

User Response: Correct the problem with the device.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC2462 E date time applid termid tranid Bracket Error. sense ((instance) Module name: (DFHZNAC))

Explanation: The secondary logical unit and CICS both sent a begin-bracket indicator concurrently.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro.

User Response: Correct the controller application program so that it cannot send a begin-bracket indicator.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC2463 E date time applid termid tranid Node nodeid resource pending deletion, connection request rejected. sense ((instance) Module name: (DFHZBLX | DFHZLGX))

Explanation: Node nodeid tried to connect to CICS. CICS rejected the request because it was deleting the terminal definition for termid.

For the meaning of the sense data, see the explanation on page 686.

System Action: CICS continues with the resource alteration, or for instance 3 of the message, the autoinstall delete transaction, CATD, is restarted.

User Response: When the resource alteration is complete, retry the connection or logon request.

Destination: CSNE
Modules: DFHZSCX, DFHZBLX, DFHZLGX
XMEOUT Parameters: date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZBLX, 2=DFHZBLX, 3=DFHZLGX}

DFHZC2464 E date time applid termid tranid Terminate chain. sense ((instance) Module name: (DFHZNAC))

Explanation: The secondary logical unit asked CICS to terminate transmission of further data in the current chain.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A cancel indicator is issued to the logical unit permitting discard of the data in the current chain.

User Response: Use the supplied dump to determine why the logical unit requested the chain to be discarded.

For the meaning of the sense data, refer to the explanatory paragraph in message DFHZC2461.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}
Chapter 1. DFH messages

DFHZC2465  E date time applid termid tranid Insufficient resources. sense (((instance)) Module name: (DFHZNAC))

Explanation: The subsystem controller application program has insufficient resources to handle the request. For instance, in the case of 3601, the 3601 diskette might be full, or the data segment in the 3601 might not be large enough to handle the data set.

For the meaning of the sense data, see the explanation on page 686.

System Action: The subsystem is temporarily suspended.

User Response: Determine why the controller application program encountered this condition. For the meaning of the sense data, refer to the explanatory paragraph in message DFHZC2461.

Destination: CSNE
Module: DFHZNAC

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC2466  E date time applid termid tranid Function not executable. sense (((instance)) Module name: (DFHZNAC))

Explanation: The controller application program cannot transmit a message to terminal termid. Either a data check occurred, or the node is not available.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Terminal status remains unchanged.

User Response: Use the supplied dump to determine why the application program could not execute the request.

For the meaning of the sense data, refer to the explanatory paragraph in message DFHZC2461.

Destination: CSNE
Module: DFHZNAC

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC2467  E date time applid termid tranid Invalid communications ID (CID) detected. sense (((instance)) Module name: (DFHZLEX))

Explanation: CICS issued a VTAM request containing a communications identifier (CID) which VTAM did not recognize. This may be due to the TCTECID field having been altered. Alternatively, it may mean that the session is in the process of being closed down by VTAM and that CICS has tried to use it before the process was complete.

For the meaning of the sense data, see the explanation on page 686.

System Action: # APAR PQ41743
**DFHZC2470 E** date time applid termid tranid Task active at Shutdown. sense ((instance) Module name: (DFHZASX))

**Explanation:** One of the following has occurred:

- A request shutdown indicator was received from the controller application program on behalf of the node while a task was still attached.
- During VTAM shutdown, a shutdown complete indicator was received from the controller application program on behalf of the node while a task was still attached.
- During VTAM shutdown, a task was still attached to a VTAM 3270 (which cannot send request shutdown or shutdown complete).

For the meaning of the sense data, see the explanation on page 686.

**System Action:** In the first two cases, CICS honors the command. In all cases, all outstanding send and receive requests are purged, and if a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro.

**User Response:** None.

**Destination:** CSNE

**Module:** DFHZASX

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, (1=DFHZASX)

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**DFHZC2471 E** date time applid termid tranid FMH length error. sense ((instance) Module name: (DFHZATT | DFHZRAC))

**Explanation:** The function management header (FMH) length was greater than that of the data received from the logical unit.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All data received is purged. If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** Correct the application program in the logical unit.

**Note:** The first 16 bytes of the I/O area in error are put to the CSNE log data set to aid in error determination.

**Destination:** CSNE

**Module:** DFHZASX, DFHZRAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, (1=DFHZASX)

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**DFHZC2472 E** date time applid termid tranid Unable to retrieve overlength data. sense ((instance) Module name: (DFHZRAC))

**Explanation:** The receive request for the remainder of data in excess of the input area for the receive-any module was not accepted by VTAM.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All associated data is purged.

**User Response:** A subsequent message follows in the log, indicating reasons for the request failing. Refer to this message for further information and guidance.

**Destination:** CSNE

**Module:** DFHZRAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, (1=DFHZRAC, 2=DFHZRAC)

---

**DFHZC2473 E** date time applid termid tranid Outbound chaining not supported. sense ((instance) Module name: (DFHZSDS))

**Explanation:** The application program has attempted to send more data than the generated maximum allowable length.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** Correct the application program so that it is sensitive to the maximum allowable length of data that can be sent to the terminal (such as checking the device type), providing the terminal does not support outbound chaining of data (such as a pipeline session).

**Note:** The generated maximum allowable length is specified in the TCTTE.

**Destination:** CSNE

**Module:** DFHZSBS

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, (1=DFHZSBS, 2=DFHZSBS)

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**DFHZC2475 E** date time applid termid tranid Function cancelled by LU device. sense ((instance) Module name: (DFHZNAC))

**Explanation:** The logical unit (LU) has terminated all processing connected with one of its components.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** Correct the problem with the LU component and bring it back online. Possible causes of the problem include the following:

- Power for the device is switched off
- A line that is down
- A hardware problem
- In the case of an LU6 link, the connected transaction, for example, CSMI, has terminated abnormally.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, (1=DFHZNAC)
Explanation: A component of the logical unit (LU) is no longer available.
For the meaning of the sense data, see the explanation on page 686.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the problem with the LU component and bring it back online. Possible causes of the problem include the following:
- Power for the device is switched off.
- A line that is down.
- A hardware problem.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

Explanation: The logical unit (LU) does not support chaining of data from the host.
For the meaning of the sense data, see the explanation on page 686.

System Action: All send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Ensure that the maximum amount of data being transmitted to the LU does not exceed the length specified in the buffer parameter of the DFHTCT macro instruction.

Note: The buffer parameter value can be increased only to the maximum acceptable limit of the LU.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

Explanation: The function management header (FMH) transmitted to the logical unit (LU) had no counterpart on the translate table.
For the meaning of the sense data, see the explanation on page 686.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the application program so that the LU has a counterpart on the translate table.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

Explanation: The response unit (RU) received by the logical unit (LU) contains a request that this device does not support.
For the meaning of the sense data, see the explanation on page 686.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Ensure that the terminal control table (TCT) generation specifications for the device are valid as well as able to accommodate the application requests. (For example, a read-only device being defined as transceive, yet having a bid sent to it.)

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

Explanation: The logical unit (LU) has indicated, via sense codes contained in an exception response or an LU status message, that it requires the data to be retransmitted.
For the meaning of the sense data, see the explanation on page 686.

System Action: Retransmission of data will be attempted only in the case of protected tasks (message integrity). If the exception response containing the retry sense codes is received for an unprotected task while in chain processing, a cancel command will be sent to the LU and the task will be resumed. If CICS is not in chain processing, the transaction will be resumed.

User Response: If message retransmission is necessary for the LU, ensure that the retry sense codes are imbedded in the exception response. Also ensure that the host transaction is defined as a protected task (message integrity).

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

Explanation: The response unit (RU) received by the logical unit (LU) was either not translatable or had an invalid length.
For the meaning of the sense data, see the explanation on page 686.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Retrying the request a number of times by use of the node error program (NEP) mechanism may be necessary. This is because this type of error may stem from a bad communication line. If this fails, check for possible invalid or inappropriate terminal specifications at terminal control table (TCT) generation time.

Destination: CSNE
Module: DFHZNAC
DFHZC2482 E  

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC2482 E  

Explanation:  

Terminal termid was defined in the terminal control table (TCT) as running in pipeline session mode. However, the BRACKET operand in that definition was either omitted or was specified as BRACKET=YES. Bracket protocol is not enforced on a pipeline session terminal.

For the meaning of the sense data, see the explanation on page 686.

System Action:  

All send and receive requests are purged and the session is terminated. If a task is attached, it is abnormally terminated with a transaction dump.

User Response:  

Correct the TCT entry by inserting the BRACKET=NO operand.

Destination: CSNE  

Module: DFHZNAC  

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC2483 E  

Explanation:  

Normal data flow has been interrupted.

For the meaning of the sense data, see the explanation on page 686.

System Action:  

Processing continues.

User Response:  

Retry the WRITE.

Destination: CSNE  

Module: DFHZNAC  

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC2484 E  

Explanation:  

An application request could not be satisfied because the required component was not available.

For the meaning of the sense data, see the explanation on page 686.

System Action:  

If a task is attached, it is abnormally terminated with a transaction dump. All outstanding send and receive requests are purged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:  

Check the terminal environment, or use the symptom string, and if necessary the dump, to determine the cause of the error.

Destination: CSNE  

Module: DFHZNAC  

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC2485 E  

Explanation:  

A CANCEL indicator was received while a task was active.

For the meaning of the sense data, see the explanation on page 686.

System Action:  

If a task is attached, it is abnormally terminated with a transaction dump. All outstanding send and receive requests purged.

User Response: None.

Destination: CSNE  

Module: DFHZRVX  

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX}

DFHZC2486 E  

Explanation:  

A CANCEL indicator was received while no task was active.

For the meaning of the sense data, see the explanation on page 686.

System Action:  

Processing continues.

User Response: None.

Destination: CSNE  

Module: DFHZRAC  

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC}

DFHZC2487 E  

Explanation:  

A connection request was rejected. CICS is temporarily unable to carry out the connection request. The TCTTE for node nodeid indicated that the session could not be established. returncode gives the reason, as follows:

1. The CLSDST macro has been scheduled for this node
2. The node is in an abnormal condition
3. The node has an error condition raised against it
4. The node is already in use
5. CICS is terminating
6. VTAM is terminating.

For the meaning of the sense data, see the explanation on page 686.

System Action:  

The connection request is rejected.

User Response:  

Retry the connection request when the node becomes available. See the CICS Customization Guide for more information on the CLSDST macro and for an explanation of abnormal node conditions.

Destination: CSNE  

Modules: DFHZLGX, DFHZSCX, DFHZBLX  

XMEOUT Parameters: date, time, applid, termid, tranid, nodeid, returncode, sense, instance, {1=DFHZSCX, 2=DFHZSCX, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX,}
DFHZC2488  E  date time applid termid tranid nodeid logon request rejected as terminal recovery is in progress. sense ((instance) Module name: (DFHZBLX | DFHZLGX | DFHZSCX))

Explanation: A connection request was rejected because the CICS terminal recovery program was still executing.

For the meaning of the sense data, see the explanation on page 686.

System Action: The connection request is rejected.

User Response: Retry the connection request. Message DFHRU2800 is produced when the recovery program has completed processing.

Destination: CSNE

Module: DFHZLGX, DFHZSCX, DFHZBLX

XMEOUT Parameters: date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZLGX, 2=DFHZSCX, 3=DFHZBLX}

DFHZC2489  E  date time applid termid tranid 3270 - Invalid copy request. sense ((instance) Module name: (DFHZARQ))

Explanation: The terminal control table entry (TCTTE) of the device from which the information is to be copied ("from" device) did not specify the COPY feature. Alternatively, the "from" device:

- Is not defined in the TCT, or
- Is not a 3270, or
- Is not connected to CICS via VTAM.

For the meaning of the sense data, see the explanation on page 686.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Ensure that the application program is aware of the device configuration. Furthermore, ensure that the "from" device is defined in the TCT as a 3270 device AND is connected to CICS.

Destination: CSNE

Module: DFHZARQ

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZARQ, 2=DFHZARQ, 3=DFHZARQ}

DFHZC2490  E  date time applid termid tranid Request for TOLTEP. sense ((instance) Module name: (DFHZSYX))

Explanation: On a request for TOLTEP, a receive request completes in error.

For the meaning of the sense data, see the explanation on page 686.

System Action: If a transaction is currently attached, it is abnormally terminated. The terminal is disconnected from CICS by a VTAM CLSDST macro, and is queued for logon to CICS when TOLTEP has finished.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}

DFHZC2492  E  date time applid termid tranid Intervention required on 3270 printer. sense ((instance) Module name: (DFHZNAC))

Explanation: This message is sent to the CSNE message log when an INTERVENTION REQUIRED condition is detected on a 3270 printer. This condition could occur for any of the reasons listed below.

- A transaction has requested the use of a printer that does not exist.
- The printer adapter feature is not present.
- There is no paper in the printer.
- The printer cover is open.
- The printer is offline.

For the meaning of the sense data, see the explanation on page 686.

System Action: No action is performed except printing of the RPL and the TCTTE.

User Response: Check that the terminal control table (TCT) is properly defined and that the transaction requests proper printer operations. If this is correct, check that the printer itself is in proper working order.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC2493  E  date time applid termid tranid Intervention required on 3270 device. sense ((instance) Module name: (DFHZNAC))

Explanation: This message occurs when an INTERVENTION REQUIRED condition arises on the 3270 Information Display System.

For the meaning of the sense data, see the explanation on page 686.

System Action: No action is performed.

User Response: Correct the intervention condition.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC2494  E  date time applid termid tranid Error status sense received from 3270. ((instance) Module name: (DFHZNAC))

Explanation: An error status message sense was received from a 3270 Information Display System. An INTERVENTION REQUIRED condition causes an "intervention required" message to be output instead of this message.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. If bad data, sent by Basic Mapping Support (BMS), causes an operation check, the bad data is purged.

User Response: Analyze the error status codes to determine the proper course of action required to correct the unit error or program error.
For non-SNA 3270 devices, the sense code is 0000 xxxx, where xxxx is sense data returned by the control unit to which the 3270 device is attached. Datastream errors are rejected with an Operation Check, and commands with a Command Reject. Details of error status codes are given in the IBM 3270 Information Display System 3274 Control Unit Description and Programmer's Guide.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, (1=DFHZNAC)

**Explanation:** DFHZNEP has performed an interval control PUT to a 3270 printer on behalf of a DFHZC2497 “unavailable printer” condition. The printer is:

- Out of service,
- Has an intervention situation, or
- Does not have a RECEIVE or TRANSCIEVE status.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** Other processing continues.

**User Response:** Determine why the printer is unavailable. If the terminal is out of service, put it back into service. If the terminal has an intervention situation, determine what this situation is and correct it. If the terminal does not have a RECEIVE or TRANSCIEVE status, place it into RECEIVE or TRANSCIEVE status.

**Destination:** CSNE

**Module:** DFHZARQ

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, (1=DFHZARQ)

**Explanation:** DFHZNEP has attempted to perform a DFHIC TYPE=PUT macro as the result of a DFHZC2497 “unavailable printer” condition and has failed. This message is written to the CSNE log.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** DFHZNEP is recalled by DFHZNAC to allow for further processing.

**User Response:** Ensure that:

- The interval control program (ICP) is capable of handling the request that DFHZNAC is issuing for the IOERROR and INVREQ errors
- CSPP is an installed transaction definition for the TRNIDER error
- DFHZNEP is passing DFHZNAC as a valid terminal address for the TRMIDER error.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, (1= , 2= IOERROR , 3= TRNIDER , 4=TRMIDER, 5= INVREQ), sense, instance, (1=DFHZNAC)

**Explanation:** A CCIN transaction has been run from a CICS client. The codepage which the CICS client has requested is not supported.

**netname** is the VTAM netname of the CICS client.

**System Action:** CICS cannot perform the translations required to support the CICS client with the requested character set and
codepage. CICS continues but uses a default codepage instead of the supplied one. For details of the default codepage, see the CICS Family: Communicating from CICS on System/390 manual.

The request to install the CICS client continues, but uses the default codepage. A response code of EXCEPTION and a reason code of INVALIDCODEPAGE is sent to the client.

User Response: See the CICS Family: Communicating from CICS on System/390 manual for a list of the client codepage values which are supported. It may be necessary to reconfigure the client locale.

Destination: CSCC
Module: DFHZC2N
XMEOUT Parameters: date, time, applid, netname, codepage

DFHZC3203 E date time applid Transaction CCIN - VTAM netname netname. The capabilities parameter is not valid.

Explanation: A CCIN transaction has been run from a CICS client. The capabilities which have been received are not valid. The CICS client has specified that it supports features which no CICS client is supposed to support. The CICS client is violating the CICS client communications architecture.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP301A is written.
The request to install the CICS client is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSCC
Module: DFHZC2N
XMEOUT Parameters: date, time, applid, netname

DFHZC3204 E date time applid Transaction CCIN - VTAM netname netname. The codepage parameter has not been specified.

Explanation: A CCIN transaction has been run from a CICS client. One of the parameters which must be supplied is the codepage which the CICS client intends to use. This parameter is missing.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP301B is written.
The request to install the CICS client is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSCC
Module: DFHZC2N
XMEOUT Parameters: date, time, applid, netname

DFHZC3205 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. CICS cannot support the (n.a. | n.a. | n.a. | combination of client and virtual terminal codepage. | client codepage. | virtual terminal codepage.)

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation.

CICS was checking the codepage specified by the CICS client and the codepage specified by the virtual terminal. However one of the following occurred:

1 – 3 n.a. - not applicable and should not occur.
4 unsupported combination of CICS client and virtual terminal codepage. indicates that the two codepages above are known about but CICS does not support data conversion between the CICS client codepage and the virtual terminal codepage.
5 unsupported CICS client codepage indicates that CICS is unable to support the codepage supplied by the CICS client in the CCIN or CTIN transaction.
6 unsupported virtual terminal codepage indicates that the CGCSGID parameter defining the virtual terminal codepage is not supported for CICS data conversion. If the virtual terminal was autoinstalled, CGCSGID was specified in the autoinstall model requested by the CICS client. If the virtual terminal was defined, CGCSGID was defined in the TYPETERM named by the virtual terminal definition.

CICS cannot perform the translations required to support the CICS client with the requested codepage.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP3035 is written.

4 unsupported combination of CICS client and virtual terminal codepage.

A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client. The virtual terminal is NOT installed.

5 unsupported CICS client codepage.
The request to install the virtual terminal continues and the invalid codepage is replaced by a default as specified in the CICS Family: Communicating from CICS on System/390 manual.

A response code of EXCEPTION and a reason code of INVALIDCODEPAGE is sent to the client.

6 unsupported virtual terminal codepage.

A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client. The virtual terminal is NOT installed.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

The exception trace point AP3035 contains the CICS client codepage and the virtual terminal CGCSGID values.

Destination: CSCC
Module: DFHZCT1
XMEOUT Parameters: date, time, applid, termid, netname, {1=n.a., 2=n.a., 3=n.a., 4=combination of client and virtual terminal codepage., 5=client codepage., 6=virtual terminal codepage.}
**DFHZC3206 E**  
*date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. The client’s terminal install limit has been exceeded.*

**Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the CICS client whose VTAM netname is netname already has 512 virtual terminals. termid is the name that would have been given to the new virtual terminal. If the CICS client did not supply the name it is blank.

**System Action:** The request to install the virtual terminal is rejected. A response code of DISASTER and a reason code of INSTALLCANCELLED is sent to the client.

**User Response:** Check the VTAM netname of the CICS client.

**Destination:** CSCC  
**Module:** DFHZCT1  
**XMEOUT Parameters:** date, time, applid, termid, netname

---

**DFHZC3207 E**  
*date time applid Transaction CTIN - VTAM netname netname. The request has failed because CCIN has not been run.*

**Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However there was no previous CCIN install request for the CICS client with the VTAM netname of netname. CCIN must always run before CTIN.

This may have been caused by a CICS restart.

netname is the VTAM netname of the CICS client.

**System Action:** The CTIN transaction abnormally terminates with abend code AZAI.

**User Response:** The CICS transaction must carry out CCIN uninstall/install before the next CTIN install.

**Destination:** CSCC  
**Module:** DFHZCT1  
**XMEOUT Parameters:** date, time, applid, termid, netname

---

**DFHZC3208 E**  
*date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. Model modelid cannot be found.*

**Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However CICS was unable to find the model modelid which was specified in the CICS_EpiAddTerminal DEVTYPE parameter or terminal emulator ModelId parameter.

netname is the VTAM netname of the CICS client.

**System Action:** The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

**User Response:** Either correct the DevType in the CICS_EpiAddTerminal function or terminal emulator parameter or install a model of this name using RDO to define the autoinstall model with the RDO TERMINAL and TYPETERM definitions.

**Destination:** CSCC  
**Module:** DFHZCT1  
**XMEOUT Parameters:** date, time, applid, termid, netname

---

**DFHZC3209 E**  
*date time applid Transaction CTIN - VTAM netname netname. CICS cannot supply a terminal name because all available names are in use.*

**Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. The parameter list did not supply a NetName indicating that CICS should supply the name. However there are only 46,656 possible names available and they are all currently in use.

netname is the VTAM netname of the CICS client.

**System Action:** The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

**User Response:** Check why the CICS client has sent so many CTIN install requests - this may have been caused by a CICS restart. DISCARD can be used to delete a virtual terminal - but this should be done with discretion. If the SIT VTPREFIX coincides with the first character of the termid allocated to a normal autoinstall terminal by the autoinstall URM (default DFHZATDX), there may be some names reserved because the autoinstall terminal existed when CTIN install tried to use the same name. Avoid doing this if possible because the only way to free these names is to restart CICS.

**Destination:** CSCC  
**Module:** DFHZCT1  
**XMEOUT Parameters:** date, time, applid, netname

---

**DFHZC3210 E**  
*date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. CICS cannot attach the CITS transaction.*

**Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. As part of the installation process the CITS transaction is called to create a virtual terminal termid. However CICS was unable to attach the CITS transaction.

netname is the VTAM netname of the CICS client.

**System Action:** Exception trace point AP3025 is written.

**User Response:** Check that the CITS transaction and the DFHZATS program are defined correctly as specified in the DFHSPI IBM supplied group and are installed.

**Destination:** CSCC  
**Module:** DFHZCT1  
**XMEOUT Parameters:** date, time, applid, termid, netname
**APAR PQ27823**

The NetName parameter

# start with any character that is valid for a normal terminal name
# -. It cannot end with an -. start with a different character. It can
# character that is valid for a normal terminal name except for <,> or
# start or end with a different character. It can start with any
# character that is valid for a normal terminal name except for <,> or -.
# If the NetName was specified correctly, check the input to the CTIN transaction.

**System Action**: The request to install the virtual terminal is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

**User Response**: Change the NetName to

# APAR PQ27823

# start or end with a different character. It can start with any
# character that is valid for a normal terminal name except for <,> or
# -. It cannot end with an -. start with a different character. It can
# start with any character that is valid for a normal terminal name
# except for <,> or -. If the NetName was specified correctly, check
# the input to the CTIN transaction.

**Destination**: CSCC

**Module**: DFHZCT1

**XMEOUT Parameters**: date, time, applid, termid, netname

---

**APAR PQ27823**

The NetName parameter

**System Action**: The request to install the virtual terminal is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

**User Response**: Change the NetName to

# APAR PQ27823

# start or end with a different character. It can start with any
# character that is valid for a normal terminal name except for <,> or
# -. It cannot end with an -. start with a different character. It can
# start with any character that is valid for a normal terminal name
# except for <,> or -. If the NetName was specified correctly, check
# the input to the CTIN transaction.

**Destination**: CSCC

**Module**: DFHZCT1

**XMEOUT Parameters**: date, time, applid, termid, netname

---

**DFHZC3211 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. The NetName parameter starts with an invalid character.**

**Explanation**: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation.

**DFHZC3213 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. CICS cannot attach the CDTS transaction.**

**Explanation**: A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. As part of the delete process the CDTS transaction is called to delete virtual terminal termid. However CICS was unable to attach the CDTS transaction.

netname is the VTAM netname of the CICS client.

**System Action**: Exception trace point AP3028 is written. The attempt to delete the virtual terminal is rejected.

**User Response**: Check to see if the CDTS transaction and the DFHZATS program are defined correctly as specified in IBM supplied group DFHSP1 and that they are installed.

**Destination**: CSCC

**Module**: DFHZCT1

**XMEOUT Parameters**: date, time, applid, termid, netname

---

**DFHZC3212 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. The transaction has timed out waiting for CTS to run.**

**Explanation**: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. As part of the installation process the CTS transaction is called to create virtual terminal termid. However the CTIN transaction has waited for two minutes for the CTS transaction to run.

netname is the VTAM netname of the CICS client.

**System Action**: Exception trace point AP3027 is written. The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

**User Response**: Investigate why the CTS transaction was unable to start or was hanging.

You may need to increase MAXTASK or the CTS TRANCLASS allocation.

**Destination**: CSCC

**Module**: DFHZCT1

**XMEOUT Parameters**: date, time, applid, termid, netname

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**DFHZC3214 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. The CTIN transaction has timed out waiting for CDTS to run.**

**Explanation**: A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. As part of the installation process the CDTS transaction is called to delete virtual terminal termid. However the CTIN transaction has waited for the CDTS transaction for two minutes and so ends with this message.

netname is the VTAM netname of the CICS client.

**System Action**: Exception trace point AP3029 is written. The CDTS attempt to delete the virtual terminal continues and will occur when the CDTS transaction starts or is 'unsuspended'.

**User Response**: Check to see why the CDTS transaction was unable to start or was hanging.

You may need to increase MAXTASK or the CDTS TRANCLASS allocation.

**Destination**: CSCC

**Module**: DFHZCT1

**XMEOUT Parameters**: date, time, applid, termid, netname

---

**DFHZC3215 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. The terminal is in use by another transaction.**

**Explanation**: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the virtual terminal termid is in use, that is the surrogate TCTTE indicates that a transaction is still running against this terminal.

netname is the VTAM netname of the CICS client.

**System Action**: Exception trace point AP302E is written. The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

**User Response**: Investigate why a transaction is still running for the virtual terminal.

**Destination**: CSCC

**Module**: DFHZCT1

**XMEOUT Parameters**: date, time, applid, termid, netname

---

---
DFHZC3216 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. CICS cannot find the terminal.

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS.EpiAddTerminal function or terminal emulator operation. CTIN specified that a pre defined virtual terminal termid should be used, but CICS cannot find it and no ModelId was provided (DevType) so an autoinstall was not attempted.

netname is the VTAM netname of the CICS client.

System Action: The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of UNKNOWNTERMINAL is sent to the client.

User Response: Ensure that there is an installed predefined terminal for termid that has a remote system parameter (REMTESYSTEM) specifying the name of this CICS clients connection and that the VTAM NETNAMEs match. Then install the definition with the correct parameters.

Destination: CSCC
Module: DFHZCT1
XMEOUT Parameters: date, time, applid, termid, netname

DFHZC3217 E date time applid Transaction CTIN - VTAM netname netname. The specified function is not valid.

Explanation: A CTIN request has been received from a CICS client with a VTAM netname of netname. However the function specified was not INSTALL or UNINSTALL.

System Action: Exception trace point AP3034 is written. The CTIN transaction abnormally terminates with abend code AZAI.

User Response: Determine where the request originated. Ensure that the input has not been corrupted. You may need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSCC
Module: DFHZCT1
XMEOUT Parameters: date, time, applid, termid, netname

DFHZC3218 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. A resource with the same name as the terminal is already installed.

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS.EpiAddTerminal function or terminal emulator operation. CTIN specified that a virtual terminal termid should be autoinstalled. However another resource was installed with the same name after the CTIN transaction had ensured that the name was free.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP3026 is written.
The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

User Response: Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically and that the CICS client used a name that clashes with the URM.

It is also possible that a client created the virtual terminal and then tried to reuse it without an intervening uninstall, via CCIN or CTIN.

Destination: CSCC
Module: DFHZCT1
XMEOUT Parameters: date, time, applid, termid, netname

DFHZC3219 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. The terminal is already in use.

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS.EpiAddTerminal function or terminal emulator operation. CTIN supplied a NetName termid but CICS found a resource with the same name which is either an existing virtual terminal for this client, an existing virtual terminal for another client or another CICS terminal or connection resource.

netname is the VTAM netname of the CICS client.

System Action: The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

User Response: Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically and that the CICS client used a name that clashes with the URM.

It is also possible that a client created the virtual terminal and then tried to reuse it without an intervening uninstall, via CCIN or CTIN.

Destination: CSCC
Module: DFHZCT1
XMEOUT Parameters: date, time, applid, termid, netname

DFHZC3220 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. The terminal has already been installed.

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS.EpiAddTerminal function or terminal emulator operation. CTIN specified that the virtual terminal termid should be autoinstalled. However, the virtual terminal was already installed.

netname is the VTAM netname of the CICS client.

System Action: The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

User Response: The CICS client should issue CTIN uninstall before any attempt to issue another CTIN install for the same NetName.

Destination: CSCC
Module: DFHZCT1
XMEOUT Parameters: date, time, applid, termid, netname

DFHZC3221 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. The name specified is already in use by another CICS resource.

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS.EpiAddTerminal function or terminal emulator operation. CTIN specified that the virtual terminal termid should be autoinstalled. However, the name specified is already in use by another CICS resource.

netname is the VTAM netname of the CICS client.
DFHZC3222 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. The CITS task has terminated abnormally.

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CICS is attempting to autoinstall the virtual terminal termid. However, the CITS task which was attached to install the virtual terminal, abended.

User Response: Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically.

If NetName was specified on the CTIN install, ensure that NetName does not conflict with other CICS resources.

If NetName was not specified, examine the SIT VTPREFIX override to check that the URM does not create names starting with the VTPREFIX character.

Destination: CSCC
Module: DFHZCT1
XMEOUT Parameters: date, time, applid, termid, netname

DFHZC3223 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. The surrogate TCTTE is in use and cannot be deleted.

Explanation: A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. However, the surrogate TCTTE attached to the virtual terminal is still in use and cannot be deleted.

User Response: Either wait for the transaction to finish or PURGE the transaction. Once the transaction has ended the virtual terminal will be deleted when the client issues CCIN install or uninstall.

Destination: CSCC
Module: DFHZCT1
XMEOUT Parameters: date, time, applid, termid, netname

DFHZC3224 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. The terminal specified for deletion cannot be found.

Explanation: A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. However the virtual terminal termid does not exist as a remote terminal for this CICS client.

User Response: Determine why a CICS client requested that a non existent virtual terminal be deleted.

If the CTIN uninstall was issued correctly and the virtual terminal should exist, examine the CICS log for message DFHZC5966 and for DFHZC32xx messages referring to this terminal.

Destination: CSCC
Module: DFHZCT1
XMEOUT Parameters: date, time, applid, termid, netname

DFHZC3225 E date time applid Transaction CTIN - VTAM netname netname. The terminal cannot be deleted because the NetName parameter is missing.

Explanation: A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. However the NetName parameter, defining which virtual terminal is to be deleted, is missing.

netname is the VTAM netname of the CICS client.

User Response: Examine the input to CTIN. You may need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSCC
Module: DFHZCT1
XMEOUT Parameters: date, time, applid, netname

DFHZC3226 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. CICS cannot access the builder parameter set.

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CICS is attempting to extract the details from the virtual terminal that has just been created and return them back to the CICS client. However the attempt to extract the details in the form of a builder parameter set (BPS) failed.

netname is the VTAM netname of the CICS client.

User Response: Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically.

System Action: Exception trace point AP302F is written. The attempt to delete the virtual terminal is rejected.

Destination: CSCC
Module: DFHZCT1
XMEOUT Parameters: date, time, applid, termid, netname

DFHZC3252 E date time applid Transaction CTIN - virtual terminal termid VTAM netname netname. The CITS task has terminated abnormally.

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CICS attempted to autoinstall the virtual terminal termid. However, the CITS task which was attached to install the virtual terminal, abended.

User Response: Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically.

If NetName was specified on the CTIN install, ensure that the names do not conflict.

If NetName was not specified, examine the SIT VTPREFIX override to check that the URM does not create names starting with the VTPREFIX character.

For any other abend, see the description of the abend code for further guidance.

Destination: CSCC
Module: DFHZCT1
XMEOUT Parameters: date, time, applid, termid, netname
DFHZC3227 E

The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSCC

**Module:**DFHZCT1

**XMEOUT Parameters:** date, time, applid, termid, netname

DFHZC3227 E **date time applid Transaction CTIN - VTAM**

**netname** netname. **The client data is longer than expected.**

**Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the data received was longer than expected. netname is the VTAM netname of the CICS client.

**System Action:** Exception trace point AP302D is written -- data 2 contains the length that was received. The CTIN transaction abnormally terminates with abend code AZAI.

**User Response:** Examine the data sent to CICS from the CICS client. You may need to contact IBM for assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSCC

**Module:**DFHZCT1

**XMEOUT Parameters:** date, time, applid, termid, netname

DFHZC3228 E **date time applid Transaction CTIN - VTAM**

**netname** netname. **The client data is longer than expected.**

**Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the data received was longer than expected. netname is the VTAM netname of the CICS client.

**System Action:** Exception trace point AP302D is written -- data 2 contains the length that was received. The CTIN transaction abnormally terminates with abend code AZAI.

**User Response:** Examine the data sent to CICS from the CICS client. You may need to contact IBM for assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSCC

**Module:**DFHZCT1

**XMEOUT Parameters:** date, time, applid, netname

DFHZC3229 E **date time applid Transaction CTIN - VTAM**

**netname** netname. **CICS has received invalid data from the client.**

**Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CICS attempted to parse this data but found a discrepancy between the number of parameters, the length of the parameters and the length of the data received. netname is the VTAM netname of the CICS client.

**System Action:** Exception trace point AP3033 is written -- data 2 contains the data received. The CTIN transaction abnormally terminates with abend code AZAI.

**User Response:** Examine the data sent to CICS from the CICS client. You may need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSCC

**Module:**DFHZC3229

**XMEOUT Parameters:** date, time, applid, netname

DFHZC3230 E **date time applid Transaction CTIN - VTAM**

**netname** netname. CICS has received a client request on an unsupported sync level.

**Explanation:** A CTIN request has been received on a conversation which is not at synchronization level 0 or 1. netname is the VTAM netname of the CICS client.

**System Action:** Exception trace point AP302B is written. The CTIN transaction abnormally terminates with abend code AZAI.

**User Response:** Ensure that the CICS client converses at sync level 0 or 1.

**Destination:** CSCC

**Module:**DFHZCT1

**XMEOUT Parameters:** date, time, applid, netname

DFHZC3231 E **date time applid Transaction CTIN - VTAM**

**netname** netname. **The client header data contains an invalid version number.**

**Explanation:** A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However there is an invalid version number in the header. netname is the VTAM netname of the CICS client.

**System Action:** Exception trace point AP3036 is written -- data 2 contains the data received. The CTIN transaction abnormally terminates with abend code AZAI.

**User Response:** Since the version used in the CICS client must match with the version used by the server, one or the other is at the wrong level and should be changed. You may need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSCC

**Module:**DFHZCT1

**XMEOUT Parameters:** date, time, applid, netname

DFHZC3240 E **date time applid Transaction CCIN - VTAM**

**netname** netname. CICS has received a client request on an unsupported sync level.

**Explanation:** A CCIN request has been received on a conversation which is not at synchronization level 0 or 1. netname is the VTAM netname of the CICS client.

**System Action:** Exception trace point AP3003 is written. The CCIN transaction abnormally terminates with abend code AZAF.

**User Response:** Ensure that the CICS client converses at sync level 0 or 1.

**Destination:** CSCC

**Module:**DFHZCN1

**XMEOUT Parameters:** date, time, applid, netname
**DFHZC3241 E**

**Explanation:** A CCIN install request has been received from a CICS client. However the data received was longer than expected. netname is the VTAM netname of the CICS client.

**System Action:** Exception trace point AP3004 is written – data 2 contains the length that was received. The CCIN transaction abnormally terminates with abend code AZAF.

**User Response:** Examine the data sent to CICS from the CICS client. You may need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** CSCC

**Module:** DFHZCN1

**XMEOUT Parameters:** date, time, applid, netname

---

**DFHZC3242 E**

**Explanation:** A CCIN request has been received from a CICS client. However there is an invalid group in the header. netname is the VTAM netname of the CICS client.

**System Action:** Exception trace point AP3002 is written – data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

**User Response:** Examine the data sent to CICS from the CICS client. One of the parameters which must be supplied is the netname is the VTAM netname of the CICS client.

**Destination:** CSCC

**Module:** DFHZCN1

**XMEOUT Parameters:** date, time, applid, netname

---

**DFHZC3243 E**

**Explanation:** A CCIN install request has been received from a CICS client. However the header contains an invalid version value. netname is the VTAM netname of the CICS client.

**System Action:** Exception trace point AP300B is written – data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

**User Response:** Examine the data sent to CICS from the CICS client. Either the CICS client is setting up the CCIN header incorrectly or a new version of the CICS client software is being used which is not supported on CICS Transaction Server for OS/390 Release 3.

**Destination:** CSCC

**Module:** DFHZCN1

**XMEOUT Parameters:** date, time, applid, netname

---

**DFHZC3244 E**

**Explanation:** A CCIN request has been received from a CICS client. However there is an invalid function in the header. netname is the VTAM netname of the CICS client.

**System Action:** Exception trace point AP3002 is written – data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

**User Response:** Investigate why the CICS client has sent an unknown function call to CCIN. You may need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** CSCC

**Module:** DFHZCN1

**XMEOUT Parameters:** date, time, applid, netname

---

**DFHZC3245 E**

**Explanation:** A CCIN transaction has been run from a CICS client. One of the parameters which must be supplied is the CAPABILITIES parameter which specifies the capabilities the CICS client can support. This parameter is missing. netname is the VTAM netname of the CICS client.

**System Action:** The request to install a CICS client is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** CSCC

**Module:** DFHZCN1

**XMEOUT Parameters:** date, time, applid, netname

---

**DFHZC3246**

**Explanation:** A CCIN request has been received from a CICS client. As part of the processing, the CDTS transaction was called to delete virtual terminal termid. However CICS was unable to attach the CDTS transaction.

**System Action:** The attempt to delete the virtual terminal fails. If this is a CCIN install request, the install continues.

**User Response:** Ensure that the CDTS transaction and the DFHZATS program are defined correctly as specified in IBM supplied group DFHSP1 and that they are installed.

**Destination:** CSCC

**Module:** DFHZCN2

**XMEOUT Parameters:** date, time, applid, termid, netname
DFHZC3247 date time applid Transaction CCIN - virtual terminal termid VTAM netname netname. The CCIN transaction has timed out waiting for CTS to run.

Explanation: A CCIN request has been received from a CICS client. As part of the processing, the CTS transaction is called to delete virtual terminal termid. However the CCIN transaction has waited for the CTS transaction for two minutes and has timed out. netname is the VTAM netname of the CICS client.

System Action: The CTS attempt to delete the virtual terminal continues and occurs when the CTS transaction starts or is 'unsuspended'.

If this is a CCIN install request, the install continues.

User Response: Check to see why the CTS transaction was unable to start or was hanging.

You may need to increase MAXTASK or the CTS TRANCAL rejojo.

Destination: CSCC
Module: DFHZC2N
XMEOUT Parameters: date, time, applid, termid, netname

DFHZC3248 E date time applid Transaction CCIN - virtual terminal termid VTAM netname netname. The surrogate TCTE is in use and cannot be deleted.

Explanation: A CCIN request has been received from a CICS client. There should not be any virtual terminals installed, however, one or more were located. The surrogate TCTE attached to the virtual terminal is still in use and cannot be deleted. If this was caused by an immediate shut down of the client then the transaction abend might not have completed before CICS attempted to delete the client.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP301C is written. The attempt to delete the virtual terminal is rejected.

If this is a CCIN install request, the install continues.

User Response: Determine why the virtual terminal was installed when CCIN was run.

Either wait for the transaction to finish or PURGE the transaction. Once the transaction completes the virtual terminal will be deleted at the next CCIN install/uninstall.

Destination: CSCC
Module: DFHZC2N
XMEOUT Parameters: date, time, applid, termid, netname

DFHZC3249 E date time applid Transaction CCIN - VTAM netname netname. CICS has received invalid data from the client.

Explanation: A CCIN install request has been received from a CICS client. CICS attempted to parse this data but found a discrepancy between the number of parameters, the length of the parameters, and the length of the data received. netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP300E is written – data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

User Response: Examine the data sent to CICS from the CICS client. You may need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSCC
Module: DFHZC2N
XMEOUT Parameters: date, time, applid, termid, netname

DFHZC3400 E date time applid termid tranid Chain exceeds max chain size. sense (instance) Module name: (DFHZRAC | DHZVRVS | DHZVRVX)

Explanation: If chain assembly (BUILDCHAIN) has been specified in the TCTTE, the chain being assembled does not fit into the IOAREALEN for a maximum chain (IOAREALEN Value 2). The remaining space in the IOAREALEN for a maximum chain is smaller than the maximum RECEIVESIZE.

If chain assembly (BUILDCHAIN) has been specified in the TCTTE, but maximum chain value equals zero, either the maximum chain value has been set incorrectly at build time or the value has been overwritten.

For the meaning of the sense data, see the explanation on page 686.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Ensure that the maximum chain size, generated in CEDA TYPETERM with IOAREALEN (value 2) keyword, is large enough for the maximum chain expected.

Destination: CSNE
Module: DFHZRVS, DFHZRVS, DFHZRAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZRVS, 2=DFHZRVS, 3=DFHZRVS, 4=DFHZRVS, 5=DFHZRVS, 6=DFHZRVS, 7=DFHZRAC, 8=DFHZRAC)

DFHZC3401 I date time applid termid tranid Resource now available. sense (instance) Module name: (DFHZNAC)

Explanation: A resource of the logical unit (LU) is now available. It had previously been temporarily unavailable or had required intervention.

For the meaning of the sense data, see the explanation on page 686.

System Action: Any outstanding read or write operation is retried.

User Response: None.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZNAC)

DFHZC3402 E date time applid termid tranid Invalid READ with outbound chain control. sense (instance) Module name: (DFHZRVS)

Explanation: A DFHTC TYPE=READ request is being processed, although the previously issued DFHTC TYPE=WRITE request did not complete a chain.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Destination: CSCC
Module: DFHZC2N
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZC2N)

DFHZC3403 E date time applid termid tranid DFSN0 Syntax error. sense (instance) Module name: (DFHZCN2)

Explanation: A DFHTC TYPE=SEND request contains invalid syntax.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Destination: CSCC
Module: DFHZC2N
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZC2N)
DFHZC3405  E date time applid termid tranid Catastrophic bracket error. sense (((instance) Module name: (DFHZNAC))

Explanation: The logical unit detected a failure of CICS to enforce bracket rules.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The session is terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string, a VTAM trace, and if necessary the dump, to determine the source of the problem.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3406  E date time applid termid tranid Parameter error. sense (((instance) Module name: (DFHZNAC))

Explanation: The request/response unit (RU) received by the logical unit (LU) contains a control function with invalid parameters.

For the meaning of the sense data, see the explanation on page 686.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A portion of the TIOA is put to the CSNE log.

User Response: Correct the application program.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3407  E date time applid termid tranid READ command does not carry change direction indicator. sense (((instance) Module name: (DFHZNAC))

Explanation: A request for input (for example, a READBUF command) sent to a logical unit (LU) type 2 (3270 compatibility mode logical unit) must carry the SNA change direction indicator. The LU has received such a request, but the indicator is not set.

Since the setting of the change direction indicator is controlled by terminal control, this message indicates that an internal logic error may have occurred. The error is not necessarily in terminal control, but may be in the logical unit or some other element of the network.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task and the VTAM session for the logical unit are abnormally terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Correct the application program.

Destination: CSNE
Module: DFHZRVC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRVCS}

DFHZC3408  E date time applid termid tranid Presentation space integrity lost. sense (((instance) Module name: (DFHZNAC))

Explanation: The contents of data for screen presentation by a logical unit has been altered. This is usually due to operator action. For example, the TEST/NORMAL key may have been used or the 3270 SYS REQ key may have been pressed.

It may also have been caused by factors other than operator action, for example, 3270 regeneration buffer failure.

For the meaning of the sense data, see the explanation on page 686.

System Action: Any outstanding requests are canceled. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Determine reason for failure at the remote terminal.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3409  E date time applid termid tranid Unexpected negative response received. sense (((instance) Module name: (DFHZRVC))

Explanation: CICS received a negative response to a command for which a negative response would not normally be expected.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service and the TCTTE, RPL, and action flags are logged to CSNE.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the application programs running concurrently do not alter the TCTTE. Check that the SNA flows on the session are valid and that the logical unit is not violating SNA protocols.

Destination: CSNE
Module: DFHZRVC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRVC}

DFHZC3410  E date time applid termid tranid Invalid input when LU status expected. sense (((instance) Module name: (DFHVRXX))

Explanation: Input (other than a logical unit status message) was received after a request was rejected with a system sense code indicating a possibly rectifiable error condition at the terminal node: for example, Intervention Required. The subsequent LU status message indicates that the error situation has now been corrected, or that the request is permanently not executable.
DFHZC3411 E

definitions

For the meaning of the sense data, see the explanation on page 686.

**System Action:** If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** Conform to SNA protocol by ensuring that the next transmission is an LUSTATUS message with a system sense for either Resource Available (0001) or Function Not Executable (081C).

**Destination:** CSNE

**Module:** DFHZRVX

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRVX, 3=DFHZRVX}

DFHZC3411 E date time applid termid tranid Resource temporarily unavailable. sense ((instance) Module name: (DFHZNAC))

**Explanation:** A terminal resource required to complete a request is temporarily unavailable.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The request is retried unless the device is one that sends an LUSTATUS message after receiving a “resource temporarily unavailable” notification.

If “resource temporarily unavailable” notification is received, an associated VTAM message is usually issued.

**User Response:** Refer to the associated VTAM message, if applicable, and follow the guidance provided.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3412 E date time applid termid tranid Intervention required on secondary resource. sense ((instance) Module name: (DFHZNAC))

**Explanation:** Operator action is requested for the secondary resource of a logical unit (LU). However, no such resource is immediately available. In the case of a 3270-compatible LU, this message means that the printer most likely to be available for a PRINT request has an Intervention Required status.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The system waits for a logical unit status message and, when this is received, takes appropriate system action.

**User Response:** Correct the problem that relates to the device.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3413 E date time applid termid tranid Logical Unit busy. sense ((instance) Module name: (DFHZNAC))

**Explanation:** The logical unit has rejected a request because its resources are busy (for example, it is communicating with the system services control point (SSCP)), and thus is unable to process the request.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The system waits for a logical unit status message and then takes appropriate action.

**User Response:** None.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3414 E date time applid termid tranid Request not executable. Secondary resource unavailable. sense ((instance) Module name: (DFHZNAC))

**Explanation:** The secondary resource of a logical unit is permanently unavailable to complete a request. For a 3270-compatible LU, this means that a printer was not available for a PRINT request.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** Determine the reason why the resource is not available at the remote terminal.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3415 E date time applid termid tranid No data available. sense ((instance) Module name: (DFHZNAC))

**Explanation:** A receive request has been rejected by the logical unit because it has no data to send for one of the following reasons:

- The device is not capable of input (for instance, it is a printer)
- The logical unit is not capable of sending data at the time. For example, a requested 3790 data set is not available at the time.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The receive request is halted. If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** Verify that the request was issued to the correct device and that the device is capable of data transmission.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}
DFHZC3416  E date time applid termid tranid  Session failure. A connection request for an invalid node nodeid could not be terminated. sense ((instance) Module name: DFHZSCX)

**Explanation:** The requested logon was to be rejected, but the attempt to send a negative response was rejected by VTAM. For the meaning of the sense data, see the explanation on page 686.

**System Action:** No further attempts are made to communicate with the invalid node.

**User Response:** Inspect the CSNE, CSMT and CSTL logs for an indication of a VTAM storage problem or error message. Determine whether the node was invalid. If it was valid, update the CICS TCT for that node.

**Destination:** CSNE

**Module:** DFHZZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZSCX}

DFHZC3417  E date time applid termid tranid  Session processing error. A request for synchronization has been ignored. sense ((instance) Module name: DFHZSDDR)

**Explanation:** A request for a sync point to be taken was ignored. COMMIT or ABORT has not been issued.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** To determine the cause of the problem, inspect the CSNE, CSMT and CSTL logs for further diagnostic information. Also inspect transaction tranid.

**Destination:** CSNE

**Module:** DFHZSDDR

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZSDDR}

DFHZC3418  E date time applid termid tranid  Session generation error. The netname logon request was rejected. sense ((instance) Module name: DFHZBLX | DFHZLGX | DFHZSCX)

**Explanation:** A logon request was rejected because the TCTTE for the ISC session had been generated with an incompatible SESSIONTYPE.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The request is rejected.

**User Response:** Change the TCTTE generation to specify a secondary logical unit at one end of the connection, and a primary logical unit at the other end.

A primary logical unit should have SESSIONTYPE=SEND or SESSIONTYPE=FASTSEND, and a secondary logical unit should have SESSIONTYPE=RECEIVE or SESSIONTYPE=FASTRECV.

**Destination:** CSNE

**Modules:** DFHZSCX, DFHZLGX, DFHZBLX

DFHZC3419  E date time applid termid tranid  Session failure. The bind parameter for node netname is unacceptable. sense ((instance) Module name: DFHZBLX | DFHZSCX | RESERVE)

**Explanation:** A connection request was rejected because the characteristics specified for the connecting system were unacceptable.

Possible reasons for the rejection are:
- For a MEMBER name connection, the network identifier (NETID) passed to CICS is different from that already stored in the system entry (instance 39).
- For a MEMBER name connection, the GRNAME specified in the sessions bind - UDSS04 - is different from that already stored in the system entry (instance 40).
- For a GR name connection, the network identifier (NETID) passed to CICS is different from that already stored in the connections system entry (instance 41).

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The request is rejected. The bind parameter is printed on the CSNE log.

**User Response:** Determine whether the connecting system has specified its characteristics correctly. If it has not, correct the requesting system.

**Destination:** CSNE

**Module:** DFHZSCX

**XMEOUT Parameters:** date, time, applid, termid, tranid, netname, sense, instance, {1=RESERVE, 2=DFHZBLX, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZLGX, 6=DFHZBLX, 7=DFHZSCX, 8=DFHZBLX, 9=DFHZBLX, 10=DFHZBLX, 11=DFHZBLX, 12=DFHZBLX, 13=DFHZBLX, 14=DFHZBLX, 15=DFHZBLX, 16=DFHZBLX, 17=DFHZBLX, 18=DFHZBLX, 19=DFHZSCX, 20=DFHZBLX, 21=DFHZBLX, 22=DFHZBLX, 23=DFHZBLX, 24=DFHZBLX, 25=DFHZBLX, 26=DFHZBLX, 27=DFHZBLX, 28=DFHZBLX, 29=DFHZSCX, 30=DFHZBLX, 31=DFHZBLX, 32=DFHZBLX, 33=DFHZBLX, 34=DFHZBLX, 35=DFHZBLX, 36=DFHZBLX, 37=DFHZBLX, 38=DFHZBLX, 39=DFHZBLX, 40=DFHZBLX, 41=DFHZBLX)

DFHZC3420  E date time applid termid tranid  Session connection error. Node netname is out of service. sense ((instance) Module name: DFHZBLX | DFHZOPN)

**Explanation:** A logon request was rejected because the TCTTE is out of service.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The request is rejected.

**User Response:** Place the terminal in service by using the master terminal program and reissuing the connection request.

**Destination:** CSNE

**Modules:** DFHZSCX, DFHZOPN, DFHZBLX

**XMEOUT Parameters:** date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPN, 2=DFHZBLX, 3=DFHZBLX}
Session shutdown request received. Node netname is receiving orderly shutdown.

**Explanation:**
A shutdown request was received for the system. An orderly termination procedure has begun.

For the meaning of the sense data, see the explanation on page 686.

**System Action:**
Orderly termination of the session is started. Access to the remote system is stopped after the current transaction has finished.

**User Response:** None.

**Destination:** CSNE

**Module:** DFHZASX

**XMEOUT Parameters:** date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZASX}

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**Connection failure.**
Request rejected before a session could be started.

**Explanation:**
An error occurred while trying to connect the two systems. The request was terminated before a session had been established.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The request is terminated.

**User Response:** Determine the cause of the problem by inspecting the VTAM logs. Reissue the request when the system is less heavily loaded.

**Destination:** CSNE

**Module:** DFHZNSP

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZNSP, 2=DFHZNSP}

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**FM function not supported.**
A function requested in an FMD RU is not supported by the receiver.

**Explanation:**
CICS has received a negative response (VTAM sense code 0826). The receiver does not support the function requested by the sender.

For the meaning of the sense data, see the explanation on page 686.

**System Action:**
All outstanding SENDs and RECEIVES are purged. If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** Investigate the reason for issuing a request for a function that the receiver does not support.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

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**Resource unknown.**
During intersystem connection, no matching TCTTE could be found.

**Explanation:**
Determine the error occurred while trying to connect the two systems. The request was terminated before a session had been established.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The request is terminated.

**User Response:** Ensure that the name of the requested TCTTE is correctly specified in the requesting system.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

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**Invalid parameter in bind area.**
A parameter in the bind area of the request was invalid or was not supported.

**Explanation:**
During intersystem connection, one or more parameters contained in the bind area of the request were invalid, or were not supported.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The request is terminated.

**User Response:** Determine which parameters in the bind area are incorrect, and correct them.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}
Chapter 1. DFH messages

DFHZC3429 E date time applid termid tranid Resynch error - CICS did not resynchronize, other logical unit was expecting resynch. sense (instance) Module name: (DFHZRSY | DFHZSYX)

Explanation: CICS did not go through a resynchronization process that was expected to occur by the other LU.

For the meaning of the sense data, see the explanation on page 686.

System Action: Processing continues.

User Response: Check whether this resynchronization mismatch is acceptable.

Destination: CSNE

Modules: DFHZRSY, DFHZSYX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRSY, 2=DFHZRSY, 3=DFHZRSY, 4=DFHZRSY, 5=DFHZSYX}

DFHZC3433 E date time applid termid tranid FMH7 was received on ISC session. Sense code is: xxxxxxxx(Error log data is : | No error log data received. | No error log data available. | xxxxxxxx sense (instance) Module name: (DFHZERH | DFHZRAC | DFHZRVX))

Explanation: The transaction is communicating with a logical unit (LU) type LU6.1 or LU6.2.

The logical unit sent an FMH7 which may carry error log data. If error log data is included, then the text is inserted in this message.

For the meaning of the sense data, see the explanation on page 686.

System Action: The action taken depends upon the sense code.

User Response: If the receiving transaction is designed to handle this situation, no action is necessary. However, if this is not the case, use the sense code and any error log data to determine why the connected logical unit sent the FMH7.

If the connected LU is another CICS system, the error log data is a CICS message.

If the connected LU is not a CICS system, see that product's documentation for details of error log data. Some products permit the user to define the contents of error log data.

Destination: CSNE

Modules: DFHZRVX, DFHZRAC, DFHZERH

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRAC, 3=DFHZRAC, 4=DFHZERH}

DFHZC3434 E date time applid termid tranid Unbind received while session still active. sense (instance) Module name: (DFHZSCX)

Explanation: One side of the intersystem link (secondary) received an unbind command without normal termination protocol being observed. This means an abnormal termination of the session was performed, possibly caused by the other side of the intersystem link abnormally terminating.

For the meaning of the sense data, see the explanation on page 686.

System Action: The session is terminated.

User Response: Determine the cause of the termination by using CICS Trace and the diagnostic information available on the CSNE log. Try to reestablish the session.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX, 2=DFHZSCX, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX, 7=DFHZSCX, 8=DFHZSCX, 9=DFHZSCX, 10=DFHZSCX}

DFHZC3435 E date time applid termid tranid Path error detected. Device cannot be contacted. sense (instance) Module name: (DFHZNAC)

Explanation: VTAM can no longer transmit to a device because there is no access path to that device. This usually occurs because the device or 3270 has been powered off.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service. The session is terminated.

User Response: Determine the cause of the termination. Try to reestablish the session.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3436 E date time applid termid tranid End user not authorized. sense (instance) Module name: (DFHZNAC)

Explanation: A sense code has been received specifying that an unauthorized request was made to the remote node. The request was rejected.

For the meaning of the sense data, see the explanation on page 686.

System Action: The session is terminated.

User Response: Determine why the end user is not authorized to perform the request.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3437 I date time applid termid tranid netname action taken: action (instance) Module name: (DFHZNAC)

Explanation: After an error has been processed by DFHZNAC, certain actions may be taken to correct the error. This message indicates the actions that were set. The actions taken can differ from the actions set, depending on the type and state of the node at the time of the error.

System Action:

<table>
<thead>
<tr>
<th>Action</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABRECV</td>
<td>Cancel receive.</td>
</tr>
<tr>
<td>ABSEND</td>
<td>Cancel send.</td>
</tr>
</tbody>
</table>
ABTASK  Abend task
CLSDST  Close session.
GMM     Send good morning message.
OUTSRV  Place session out of service.
CREATE  Allow ATI to acquire the session if required.
NOCREATE Do not allow ATI to acquire the session.
NEG RESP Send an exception response.
SIMLOGON Generate SIMLOGON request for the session.
CNTASK  Cancel the task.
SYSDUMP  Take a system dump.
PURGEBMS Purge any BMS pages.

User Response: The user action depends on what action has been taken by the system. This is indicated by action in the message text.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, netname, action, instance, {1=DFHZNAC}

DFHZC3438 E date time applid termid tranid Device powered off. sense (instance) Module name: (DFHZNAC)

Explanation: A request has been rejected by the logical unit because the associated device has been powered off. This message may be caused by operator action. For example, the TEST/NORMAL key may have been used.

For the meaning of the sense data, see the explanation on page 686.

System Action: The system waits for a logical unit status message and, when the message has been received, takes appropriate system action.

User Response: Correct the problem that relates to the device.

For the meaning of the sense codes, refer to the explanatory paragraph in message DFHZC2461.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3439 E date time applid termid tranid Negative response received to SDT. sense (instance) Module name: (DFHZNAC)

Explanation: A negative response has been received to the START DATA TRAFFIC (SDT) command.

For the meaning of the sense data, see the explanation on page 686.

System Action: Processing continues.

User Response: None.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3440 E date time applid termid tranid Unable to send error message - session in free status. sense (instance) Module name: (DFHZEMW)

Explanation: DFHZEMW was attempting to write a message to another node, but was unable to do so because the session was in “between bracket” status.

In this state, it is not possible to send the message in the normal way. The session was in free status, probably because the application program had issued a SEND command with the LAST option.

For the meaning of the sense data, see the explanation on page 686.

System Action: Processing continues.

User Response: Check to see why the other node sent its request EXCEPTION response mode. Change the response mode to DEFINITE if error messages are to be sent.

Destination: CSNE
Module: DFHZEMW
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZEMW, 2=DFHZEMW}

DFHZC3441 I date time applid Orderly termination of VTAM sessions requested. sense (instance) Module name: (DFHZSHU)

Explanation: A request for an orderly close of VTAM sessions and subsequent close of CICS VTAM ACB has been received. The request may have been initiated by the CICS master terminal command or by the VTAM network closing down.

For the meaning of the sense data, see the explanation on page 686.

System Action: All nodes are quiesced and each session is closed as it becomes inactive. When all sessions have been closed, the ACB is closed.

User Response: None.

Destination: CSNE
Module: DFHZSHU
XMEOUT Parameters: date, time, applid, sense, instance, {1=DFHZSHU}

DFHZC3442 I date time applid Immediate termination of VTAM sessions requested. sense (instance) Module name: (DFHZSHU | DFHZTPX | RESERVE)

Explanation: A request for an immediate close of all VTAM sessions and subsequent close of CICS VTAM ACB has been received. The request may have been initiated by the CICS master terminal command or by the VTAM network closing down.

This message is also issued if V NET,ID=...,INACT is issued by the VTAM operator.

For the meaning of the sense data, see the explanation on page 686.

System Action: All requests on a VTAM session are abnormally terminated and the session is closed. The VTAM ACB is then closed.

If V NET,ID=...,INACT was issued by the VTAM operator, VTAM waits for all sessions to be closed before informing CICS. In this case there are no sessions to be abnormally terminated. This
message may be issued twice, once by DFHZTPX and once by DFHZSHU. The messages will have different instance numbers.

**User Response:** None.

**Destination:** CSNE

**Modules:** DFHZSHU, DFHZTPX

**XMEOUT Parameters:** date, time, applid, sense, instance,

- {1=DFHZSHU, 2=RESERVE, 3=RESERVE, 4=DFHZTPX, 5=DFHZSHU}

**Explanation:** VTAM has been cancelled or force closed by the CICS/VTAM operator.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS will close its ACB. All transactions running on VTAM sessions are abnormally terminated.

**User Response:** None.

**Destination:** CSNE

**Modules:** DFHZSHU, DFHZTPX, DFHZSYX

**XMEOUT Parameters:** date, time, applid, sense, instance,

- {1=DFHZSHU, 3=DFHZSYX, 4=DFHZTPX, 5=DFHZSHU}

**Explanation:** CICS has detected that more than 32k of data has been transmitted while receiving data from terminal "termid".

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS terminates the session and places the terminal out of service. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** To determine the cause of this error,

- Check for a terminal malfunction, for example the device may be sending the same data repeatedly, or
- Check for a network problem.

**Destination:** CSNE

**Module:** DFHZRVS

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance,

- {1=DFHZRVS, 2=DFHZRAC}

**Explanation:** CICS has received a state error negative response (VTAM sense code 20yy). For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

**User Response:** Determine the reason for the error before restarting the session.

**Destination:** CSNE

**Module:** DFHZZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance,

- {1=DFHZZNAC}

**Explanation:** CICS has received a request error negative response (VTAM sense code 10yy) for which it does not recognize the minor code yy.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

**User Response:** Determine the reason for the error.

**Destination:** CSNE

**Module:** DFHZZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance,

- {1=DFHZZNAC}

**Explanation:** CICS has received a request reject negative response (VTAM sense code 08yy) for which it does not recognize the minor code yy.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

**User Response:** Determine the reason for the error.
DFHZC3448 E date time applid termid tranid Security identification error. sense ((instance) Module name: (DFHZNAC))

Explanation: CICS has received a negative response to a request to access a resource because it was not authorized. If it was an OPNDST (BIND) request, CICS did not send the authorization sequence expected by a logical unit. CICS does not support the security feature in the bind.

For the meaning of the sense data, see the explanation on page 686.

System Action: The logical unit is placed out of service and the session is closed.

User Response: CICS does not support the security feature in the bind. Modify the authorization parameters in the remote logical unit so that it does not require authorization to initiate a session.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZNAC)

DFHZC3449 I date time applid termid tranid Leaving unattended mode. sense ((instance) Module name: (DFHZNAC))

Explanation: CICS has received a status message from a logical unit indicating that the terminal is now attended.

Note that this is the default mode of operation.

For the meaning of the sense data, see the explanation on page 686.

System Action: The mode of operation bit TCTEMOPU is reset in the TCTTE.

User Response: For logical units that can operate in unattended mode, the application programmer should test the mode of operation before starting a conversational sequence with the terminal operator. If the bit is on, no operator action can be expected.

For command level, use the EXEC CICS ASSIGN UNATTEND (data area) command to obtain the value of TCTEMOPU.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZNAC)

DFHZC3450 I date time applid termid tranid Entering unattended mode. sense ((instance) Module name: (DFHZNAC))

Explanation: CICS has received a status message from a logical unit indicating that the terminal is no longer attended.

For the meaning of the sense data, see the explanation on page 686.

System Action: The mode of operation bit TCTEMOPU is set in the TCTTE.

User Response: For logical units that can operate in unattended mode, the application programmer should test the mode of operation before starting a conversational sequence with the terminal operator. If the bit is on, no operator action can be expected.

For command level, use the EXEC CICS ASSIGN UNATTEND (data area) command to obtain the value of TCTEMOPU.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZNAC)

DFHZC3451 I date time applid termid tranid Currently no data to send. sense ((instance) Module name: (DFHZNAC))

Explanation: Following the issue of a READ command to a logical unit, or the completion of a transaction associated with the logical unit, CICS has received a status message from the logical unit indicating that it currently has no data to send.

For the meaning of the sense data, see the explanation on page 686.

System Action: If a data interchange (DFHDI) receive request is outstanding, it will complete with DSSTAT condition and a response code X’15’.
If no task is active and no work is outstanding for the terminal, the soft CLSDEST action flag is set and DFHZNEP is called. Unless it is reset by DFHZNEP, the session is terminated.

User Response: Ensure that no more receive requests are issued to the terminal.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZNAC)

DFHZC3452 E date time applid termid tranid Signal received - Code xxxx. sense ((instance) Module name: (DFHZASX))

Explanation: CICS has received a SIGNAL command from a logical unit. The SIGNAL codes received with the SIGNAL command are made available to the DFHZNEP user program.

If a task is active, the SIGNAL condition is raised on return to the application program. This message is produced only when SIGNAL codes are passed to the node abnormal condition program (DFHZNAC). CICS does this for Type 4 logical units only.

For the meaning of the sense data, see the explanation on page 686.

System Action: If the SIGNAL code is 0001 0000 (request change direction), any further output request will cause the IGREQCD condition to be raised. All SIGNAL codes will cause the SIGNAL condition to be raised.

User Response: For logical units for which CICS enforces SIGNAL request change direction, if the code is 0001 0000, issue a receive request or terminate transaction tranid and refer to the VTAM Programming manual for further guidance.

Destination: CSNE
Module: DFHZASX
XMEOUT Parameters: date, time, applid, termid, tranid, xxxx, sense, instance, (1=DFHZASX, 2=DFHZASX)
DFHZC3453 E date time applid termid tranid RH usage error. sense ((instance) Module name: (DFHZNAC))

Explanation: CICS has received a request header (RH) usage error negative response for which it does not recognize the minor code yy.

For the meaning of the sense data, see the explanation on page 686.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: None.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3454 E date time applid termid tranid Session initiation failure. Bind response from node netname is unacceptable. sense ((instance) Module name: (DFHZOPX))

Explanation: A remote secondary’s response to a negotiable bind contained unacceptable parameters.

For the meaning of the sense data, see the explanation on page 686.

System Action: Session initialization fails. The sent and received bind parameters are printed on the CSNE log.

User Response: Look at the parameters printed on the CSNE log. Ensure that the remote system has correctly specified its characteristics. If there is an invalid format, change it to LEN PSQ LEN SSQ.

Destination: CSNE

Module: DFHZOPX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3455 E date time applid termid tranid Session initiation failure. Bind response from node netname contains an invalid session qualifier pair. sense ((instance) Module name: (DFHZOPX))

Explanation: A remote secondary’s response to a negotiable bind contained an invalid session qualifier pair in the user data field. Either it had an invalid format, or the primary SQ had been altered.

For the meaning of the sense data, see the explanation on page 686.

System Action: Session initialization fails. The sent and received bind images are printed on the CSNE log.

User Response: Correct the error in the remote system. If there is an invalid format, change it to LEN PSQ LEN SSQ.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPX, 2=DFHZOPX, 3=DFHZOPX}

DFHZC3456 E date time applid termid tranid No outboard formats loaded. sense ((instance) Module name: (DFHZNAC))

Explanation: An outboard format has been referenced, but no outboard formats are loaded on this logical unit.

System Action: Transaction tranid is abnormally terminated with a transaction dump.

User Response: Load the necessary outboard formats.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3457 E date time applid termid tranid Requested outboard format not loaded. sense ((instance) Module name: (DFHZNAC))

Explanation: An outboard format has been referenced, but the requested format is not loaded on this logical unit.

For the meaning of the sense data, see the explanation on page 686.

System Action: Transaction tranid is abnormally terminated with a transaction dump.

User Response: Load the requested outboard format.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3458 E date time applid termid tranid Requested format group not loaded. sense ((instance) Module name: (DFHZNAC))

Explanation: An outbound format group has been referenced, but that format group is not loaded on this logical unit.

For the meaning of the sense data, see the explanation on page 686.

System Action: Transaction tranid is abnormally terminated with a transaction dump.

User Response: Load the required format group.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}
**DFHZC3459** E

**Explanation:** The data stream sent to the device contains control data for functions that the device does not support.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** Transaction `tranid` is abnormally terminated.

**User Response:** Either ensure that transaction `tranid` is not run against the terminal, or change the terminal to one that supports the data stream.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** `date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}`

---

**DFHZC3460** E

**Explanation:** The Referenced Logical Character Set Identifier (LCID) specified in the define alternate character set is not known.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** Transaction `tranid` is abnormally terminated with a transaction dump.

**User Response:** Ensure that the character set referenced by the LCID is loaded.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** `date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}`

---

**DFHZC3461** I

**Explanation:** CICS has successfully issued or received a bind to the node `netname`.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSNE

**Module:** DFHZOAP

**XMEOUT Parameters:** `date, time, applid, X'rc', time, sense, instance, {1=DFHZOAP}`

---

**DFHZC3462** I

**Explanation:** A session with node `netname` has been closed.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSNE

**Module:** DFHZCLS

**XMEOUT Parameters:** `date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZCLS, 2=DFHZCLS}`

---

**DFHZC3463** I

**Explanation:** The master terminal operator issued a CEMT or CSMT command to open the VTAM ACB.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** Processing continues.

**User Response:** This depends on the return code:

- If the value is zero, VTAM sessions can be enabled.
- If the value is 1, this is not a VTAM return code. It is inserted by DFHZOAP if a VTAM OPEN is received when the ACB is already open.
- If the return code is some other value, the operation has failed. See the section on Open Macroinstructions in the VTAM Programming manual to determine why the VTAM ACB was not opened.

**Destination:** CSNE

**Module:** DFHZOAP

**XMEOUT Parameters:** `date, time, applid, X'rc', time, sense, instance, {1=DFHZOAP}`

---

**DFHZC3464** I

**Explanation:** The master terminal operator issued a CEMT command to release the logical unit (LU).

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The LU is terminated. Any task associated with the LU is terminated either abnormally or normally.

**User Response:** None.

**Destination:** CSNE

**Module:** DFHZSTU

**XMEOUT Parameters:** `date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZSTU}`
**DFHZC3465** E date time applid termid tranid Unexpected response received. sense ((instance) Module name: (DFHZRAC | DFHZRLP | DFHZRVX))

**Explanation:** CICS received a positive response in one of the following circumstances:

- The response was to data sent with exception response
- The response was to a command sent with exception response
- The response was to a send to which a response has already been sent.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service and the TCTTE, RPL, and action flags are logged to CSNE.

**User Response:** Ensure that the application programs running concurrently do not alter the TCTTE. Check that the SNA flows on the session are valid and that the logical unit is not violating SNA protocols.

**Destination:** CSNE

**Modules:** DFHZRVX, DFHZRAC, DFHZRLP

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZSEX, 2=DFHZSKR}

---

**DFHZC3466** E date time applid termid tranid Out of session during session start up. sense ((instance) Module name: (DFHZSEX | DFHZSKR))

**Explanation:** A CICS master terminal command was used to put terminal termid out of service while session startup was taking place.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The session is terminated and the TCTTE for terminal termid is left out of service.

**User Response:** To establish the session for use, the master terminal operator should issue the command CEMT SET TER (XXXX) INS ACQ. This puts the terminal back in service, and start up the session for use.

**Destination:** CSNE

**Modules:** DFHZSEX, DFHZSKR

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZSEX, 2=DFHZSKR}

---

**DFHZC3467** E date time applid termid tranid Permanent insufficient resource. sense ((instance) Module name: (DFHZNAC))

**Explanation:** The PS buffer resource required by load PS is not available.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** Look at the CSNE log. A second message with a sense received code of 084C should have been issued. Refer to this message in the VTAM Programming manual for full details.

**Destination:** CSNE

**Module:** DFHZNAC

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

---

**DFHZC3468** E date time applid termid tranid CLEAR command received. sense ((instance) Module name: (DFHZSCX))

**Explanation:** An SNA clear command was received by the node. The other end of the session was unable to handle the current requests for some reason, and purged any outstanding messages on the session.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The session is canceled immediately, and any transaction executing on that session is also abnormally terminated and a transaction dump is produced.

**User Response:** Check the other end of the session to determine why the clear command was sent. It may be due to a lack of buffers in the VTAM region attached to the other session.

**Destination:** CSNE

**Module:** DFHZSCX

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}

---

**DFHZC3469** E date time applid termid tranid Session re-establishment being awaited. sense ((instance) Module name: (DFHZSCX))

**Explanation:** The secondary LU is being passed to a new application program via CLSDST(PASS).

For the meaning of the sense data, see the explanation on page 686.

**System Action:** If a task is attached, it is abnormally terminated with a transaction dump.

**User Response:** None.

**Destination:** CSNE

**Module:** DFHZSCX

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}

---

**DFHZC3470** E date time applid termid tranid LU session failure caused by: {restart/takeover. LU does not support ACTLU(ERP). | route extension to cluster failed. | LU abend, disconnect, DACTPU or ANS. |sense ((instance) Module name: (DFHZSCX))

**Explanation:** An LU session has failed because an UNBIND command has been received.

Possible reasons are:

- Restart or takeover. LU does not support ACTLU(ERP).
- Route extension to cluster failed
- Session failed due to LU abend, disconnect, DACTPU, or ANS.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** If a task is attached, it is abnormally terminated with a transaction dump.
DFHZC3471 E

User Response:  Use the symptom string, a VTAM trace, and the dump, if available, to determine the source of the UNBIND before attempting to reestablish the session.

Destination:  CSNE
Module:  DFHZSCX
XMEOUT Parameters:  date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}

Explanation:  The session has been broken because the virtual route it was using has failed.

For the meaning of the sense data, see the explanation on page 686.

System Action:  If a task is attached, it is abnormally terminated with a transaction dump.  Session reinitiation is not attempted.

User Response:  None.

Destination:  CSNE
Module:  DFHZSCX
XMEOUT Parameters:  date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}

DFHZC3472 E

User Response:  None.

Destination:  CSNE
Module:  DFHZSCX
XMEOUT Parameters:  date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}

Explanation:  Device end was received from a non-SNA VTAM supported 3270.

For the meaning of the sense data, see the explanation on page 686.

System Action:  The good morning message is displayed, unless the terminal is associated with an active task.

User Response:  None.

Destination:  CSNE
Module:  DFHZSYX
XMEOUT Parameters:  date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}

Explanation:  The logical unit in session with CICS has detected a forced deactivation of the virtual route being used.

For the meaning of the sense data, see the explanation on page 686.

System Action:  If a task is attached, it is abnormally terminated with a transaction dump.  Afterwards CICS attempts to reestablish the session.

User Response:  Determine the cause of the session failure and attempt to reestablish the session.

Destination:  CSNE
Module:  DFHZSCX
XMEOUT Parameters:  date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}

Explanation:  The logical unit in session with CICS has detected a session failure, and has unbound the session with CICS.

For the meaning of the sense data, see the explanation on page 686.

System Action:  The session is terminated, and the transaction using it is abnormally terminated or informed by return code.

User Response:  Determine the reason for the session failure by using Trace.  Check the CSNE log for a second error message.
associated with DFHZC3479. This message should be located immediately after DFHZC3479.

Refer to the sense code shown in the associated message.

**Destination:** CSNE

**Module:** DFHZSCX

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX, 2=DFHZSCX}

---

**DFHZC3480** E date time applid termid tranid Session could not be started due to insufficient CICS nucleus function - ISC not loaded. sense {{(instance) Module name: (DFHZBLX | DFHZLGX | DFHZSIM)}

**Explanation:** A session initiation has been attempted to an APPC system or terminal. The session cannot be established because the CICS ISC nucleus modules are required.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** The session initiation request is rejected.

**User Response:** If APPC connections are to be used, ensure that ISC=NO is not used for CICS initialization.

**Destination:** CSNE

**Modules:** DFHZSCX, DFHZLGX, DFHZSIM

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZSIM, 2=DFHZBLX, 3=DFHZLGX}

---

**DFHZC3481** E date time applid termid tranid 3270 Data Stream protocol error. sense {{(instance) Module name: (DFHZBLX | DFHZRVX)}

**Explanation:** CICS has received zero length data from a device defined in the TCT as a 3270 terminal. This violates the protocol for 3270 devices.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS cancels the session and any transactions attached to the terminal.

**User Response:** Determine why zero length data was received from a device purporting to be a 3270 terminal, and correct the error.

The most likely reasons are an incorrect TCT definition for the terminal, or incorrect programming of a terminal that is simulating 3270 protocols.

**Destination:** CSNE

**Modules:** DFHZBLX, DFHZRVX

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZSIM, 2=DFHZBLX, 3=DFHZLGX}

---

**DFHZC3482** E date time applid tranid Logon from node nodeid rejected. Insufficient storage for autoinstall request. sense {{(instance) Module name: (DFHZBLX | DFHZLGX | DFHZSCX)}

**Explanation:** A node nodeid, unknown to CICS, attempted to logon. CICS could not obtain sufficient storage to complete autoinstall processing.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS rejects the logon request.

**User Response:** Retry the logon.

**Destination:** CSNE

**Modules:** DFHZBLX, DFHZSCX, DFHZLGX

**XMEOUT Parameters:** date, time, applid, tranid, nodeid, sense, instance, {1=DFHZLGX, 2=DFHZBLX, 3=DFHZSCX, 4=DFHZSCX}

---

**DFHZC3484** I date time applid netname is now connected to applid. sense {{(instance) Module name: (DFHZNSP)}

**Explanation:** By successful execution of an ISSUE PASS command, a VTAM logical unit whose network name is netname has been passed to the VTAM application whose VTAM APPLID (netname) is applid.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS processing continues.

**User Response:** None.

**Destination:** CSNE

**Module:** DFHZNSP

**XMEOUT Parameters:** date, time, applid, netname, applid, sense, instance, {1=DFHZNSP}

---

**DFHZC3485** E date time applid netname A CLSDST Pass Procedure error occurred at applid. Status byte xx Reason byte yy.sense {{(instance) Module name: (DFHZNSP)}

**Explanation:** In executing an ISSUE PASS command, CICS attempted to pass control of a VTAM logical unit whose network name is netname, to a system whose VTAM APPLID is applid. VTAM has notified CICS of an error at applid.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS saves the status byte xx and reason byte yy passed by VTAM in the Notify Request Unit. CICS processing continues.

**User Response:** The reason for the error can be determined by investigating the status byte xx and reason byte yy given in the message. These bytes are documented in the NSEXIT routine section of VTAM Programming (SC23-0115).

**Destination:** CSNE

**Module:** DFHZNSP

**XMEOUT Parameters:** date, time, applid, netname, applid, xx, yy, sense, instance, {1=DFHZNSP}

---

**DFHZC3486** E date time applid netname The named LU cannot be connected for sessions at applid. sense {{(instance) Module name: (DFHZSYX)}

**Explanation:** In executing an ISSUE PASS command, CICS attempted to pass control of a VTAM logical unit whose network name is netname, to a system whose VTAM APPLID is applid. VTAM has notified CICS that applid is currently not available.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** CSNE

**Module:** DFHZSYX
**DFHZC3487 E date time applid netname Unable to PASS to node nodeid. CLSDST PASS is not authorized. sense ((instance) Module name: (DFHZLEX))**

**Explanation:** In executing an ISSUE PASS command, CICS attempted to pass control of a VTAM logical unit whose network name is netname. VTAM has notified CICS that CICS is not authorized to use this function. For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS continues.

**User Response:** To use the ISSUE PASS command, you must code AUTH=PASS on the VTAM definition of the CICS APPL, then reactivate the APPL.

**Destination:** CSNE

**Module:** DFHZLEX

**XMEOUT Parameters:** date, time, applid, netname, nodeid, sense, instance, {1=DFHZLEX, 2=DFHZSIX}

**DFHZC3488 E date time applid netname ISC session connection failure. sense ((instance) Module name: (DFHZSIX))**

**Explanation:** A simlogon request to an ISC system was rejected because the netname was not known. CICS has now issued the INQUIRE OPTCD=USERVAR command in order to determine if netname had been defined as a user variable. That INQUIRE command has been rejected because the user variable does not exist in the USERVAR table. This may be because the USERVAR is either not known or invalid, or the MODIFY USERVAR command has not been issued to define the user variable.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CLSDST is issued to reset the session.

**User Response:** Determine if the netname has been defined correctly to CICS. If the netname is to be used as a user variable then determine why the MODIFY USERVAR command has not been issued to set it.

**Destination:** CSNE

**Module:** DFHZSIX

**XMEOUT Parameters:** date, time, applid, netname, sense, instance, {1=DFHZSIX}

**DFHZC3489 E date time applid netname The LU is inhibited for sessions. sense ((instance) Module name: (DFHZSIX))**

**Explanation:** CICS has attempted to acquire a session to the logical unit (LU), but VTAM has rejected the request because the LU is inhibited for sessions.

The partner LU could be inhibited because it has issued the VTAM macro SETLOGON OPTCD=QUIESCE.

For the meaning of the sense data, see the explanation on page 686.
DFHZC3492  E date time applid tranid Logon for node nodeid contained invalid NIBUSER token. sense ((instance) Module name: (DFHZLGX))

Explanation: DFHZLGX has been driven for SIMLOGON with a token that is no longer a valid TCTTE address.

For the meaning of the sense data, see the explanation on page 686.

System Action: An unexpected condition has occurred during SIMLOGON. CICS will continue processing normally.

User Response: None.

Destination: CSNE
Module: DFHZLGX
XMEOUT Parameters: date, time, applid, tranid, nodeid, sense, instance, {1=DFHZLGX}

DFHZC3493  E date time applid termid tranid Invalid device type for a print request. sense ((instance) Module name: (DFHZARQ))

Explanation: A print function was requested on a 3270 information display system. However, the print function was unable to find an eligible printer because the function does not support the device type.

For the meaning of the sense data, see the explanation on page 686.

System Action: If no other action is specified in the Network Error Program (NEP), the print request is halted. CICS processing continues.

User Response: Check that the printers specified for the information display system are valid. Valid devices are 3270P and LUTYPE3.

Destination: CSNE
Module: DFHZARQ
XMEOUT Parameters: date, time, applid, tranid, nodeid, sense, instance, {1=DFHZARQ}

DFHZC3494  E date time applid termid tranid Request error sense ((instance) Module name: (DFHZNAC))

Explanation: The request unit (RU) received by the secondary logical unit (LU) contains a request which terminal termid cannot handle.

For the meaning of the sense data, see the explanation on page 686.

System Action: All send and receive requests are purged and transaction tranid is abnormally terminated with a dump.

User Response: Check that the TYPETERM specifications for terminal termid are valid. This error could occur if, for example, QUERY was sent to a nonqueriable 3270 defined with QUERY=COLDJALL.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}

DFHZC3495  E date time applid Logon occurred for terminal with netname netname before Notify received sense ((instance) Module name: (DFHZLGX))

Explanation: A terminal with netname netname has logged on before a NOTIFY request was received for an outstanding CLSDST PASS with CLSDST=NOTIFY.

For the meaning of the sense data, see the explanation on page 686.

System Action: CICS processing continues. Any subsequent NOTIFY requests for the terminal identified will be ignored.

User Response: It is recommended that any user processing for CLSDST PASS messages incorporates this message.

Destination: CSNE
Module: DFHZLGX
XMEOUT Parameters: date, time, applid, netname, sense, instance, {1=DFHZLGX}

DFHZC3496  E date time applid System dump has been taken for terminal termid ((instance) Module name: (DFHZNAC))

Explanation: Terminal termid has been found to be in error by terminal control.

As terminal termid had no task attached to it at the time of the error, DFHZNAC was unable to cause a transaction abend with a system dump.

The TWAODNTA flag in the DFHZNAC-DFHZNEP commarea is set ON and DFHZNAC produces a system dump for terminal termid instead.

System Action: An exception trace entry is made in the trace table at trace point FC73.

A system dump is produced unless you have specifically suppressed dumps in the dump table.

User Response: To determine the nature of the problem that caused the dump to be taken, refer to the CSNE log. There should be an associated CICS message which will provide further information.

For more information about TWAODNTA, refer to the CICS Customization Guide.

Destination: CSNE
Module: DFHZNAC
XMEOUT Parameters: date, time, applid, termid, instance, {1=DFHZNAC}

DFHZC3497  E date time applid Link to module DFHZNEP from DFHZNAC failed because module DFHZNEP is not AMODE 31. I module DFHZNEP could not be loaded. I module DFHZNEP could not be autoinstalled. I of an unexpected error. ((instance) Module name: (DFHZNAC))

Explanation: While processing an error for a VTAM terminal, CICS attempted to link to user-replaceable module DFHZNEP. The link failed.

See message DFHZC3437 for the default action or actions taken.

System Action: The default action or actions set by DFHZNAC are taken.

User Response: The reason for the failure is specified in the message. Possible solutions are:
• Ensure that DFHZNEP is linked with AMODE 31.
• Ensure that DFHZNEP is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
• Ensure that there is a valid entry for DFHZNEP in the PPT, and that DFHZNEP can be successfully autoinstalled.

Destination: CSNE
Module: DFHZNAC

XMEOUT Parameters: date, time, applid, (1=module DFHZNEP is not AMODE 31., 2=module DFHZNEP could not be loaded., 3=module DFHZNEP could not be autoinstalled., 4=of an unexpected error.), instance, (1=DFHZNAC)

DFHZC3498 E date time applid Abend abcode has occurred in module DFHZNEP. (((instance) Module name: (DFHZNAC))

Explanation: While processing an error for a VTAM terminal, user-replaceable module DFHZNEP was linked and the program abended with abend code abcode. See message DFHZC3437 for the default action or actions that are taken.

System Action: Control is passed back to the calling module, DFHZNAC. DFHZNAC reinstates the default actions set before DFHZNEP was called. The actions are then taken.

User Response: Refer to abend code abcode for details of the original error. Follow the user response given in the abend code to solve the problem.

Destination: CSNE
Module: DFHZNAC

XMEOUT Parameters: date, time, applid, abcode, instance, (1=DFHZNAC)

DFHZC3499 E date time applid OS Getmain failure in module DFHmodname with return code X’return_code’ while attempting to process message DFHZGmessage_number, sense (instance) Module name: (DFHZGAT | DFHZLEX | DFHZLXG | DFHZRAC | DFHZSCX | DFHZSUH | DFHZSYX | DFHZTPX))

Explanation: An error has been detected by module modname. The OS GETMAIN request by this module has failed with return code X’return_code’, and as a result, the diagnostic information relating to the original error has not been saved and cannot be processed by DFHZNAC.

The only information available for diagnosis of the error is message_number which is the number of the message that would have been issued had the OS GETMAIN request not failed.

For the meaning of the sense data, see the explanation on page 686.

System Action: Processing continues normally.

User Response: Refer to message message_number for further guidance.

Refer to the MVS System Programming Library: Macro Reference for the meaning of the OS GETMAIN return code.

Destination: CSNE

Modules: DFHZATA, DFHZLXG, DFHZRAC, DFHZSCX, DFHZSUH, DFHZTPX, DFHZLEX, DFHZSYX.

XMEOUT Parameters: date, time, applid, modname, X’return_code’, message_number, sense, instance, (1=DFHZLEX, 2=DFHZSHU, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZSYX, 6=DFHZSYX, 7=DFHZTPX, 8=DFHZRAC, 9=DFHZRAC, 10=DFHZATA, 11=DFHZLXG, 12=DFHZLXG)

# APAR PQ25207

# DFHZC4900 I date time applid termid tranid CNOS (sent to) received from) Node netname System sysid

# Modename modename, Max = n1, Win=n2, (race detected | successful | values amended | modename not recognized | modename closed | CNOS failed).

# (instance) Module name: (DFHZGCN))

Explanation: A CHANGE-NUMBER-OF-SESSIONS command has been sent or received. The inserts are identified as follows:

- sysid is the system identifier.
- modename is the modename.
- n1 is the maximum session count.
- n2 is the maximum source contention winner sessions.

If the “values amended” option is displayed, the values of the n1 (maximum session count) and n2 (maximum source contention winner sessions) have been renegotiated by the target system.

If the “race detected” option is displayed, the CNOS command could not be implemented because the modename modename was already locked for a CNOS command from the other system.

# APAR PQ26113

# If a modename of ALL is produced, it has been set internally by CICS and all of the modegroups for this connection will be affected by the CNOS command.

# APAR PQ25207

# If the “CNOS failed” option is displayed, the CNOS command could not be implemented because the modename lock was still held on the remote system when a second CNOS command was sent by this CICS, as the CNOS race winner, following a previous CNOS race condition.

System Action: The negotiated values are applied.

User Response: None.

Destination: CSNE

Module: DFHZGCN

# APAR PQ25207

# XMEOUT Parameters: date, time, applid, termid, tranid, (1=sent to, 2=received from), netname, sysid, modname, n1, n2, (1=race detected, 2=successful, 3=values amended, 4=modename not recognized, 5=modename closed, 6=CNOS failed), instance, (1=DFHZGCN)

DFHZC4901 I date time applid termid tranid Node netname System sysid Modename modename, Negotiated values: Max=n1, Win=n2. (instance) Module name: (DFHZGCN))

Explanation:

- modename is the modename,
- n1 is the maximum session count,
- n2 is the maximum source contention winner sessions.
This message follows message DFHZC4900 when the maximum session count (n1) and the maximum source contention winner sessions (n2) have been renegotiated.

# APAR PQ26113 #

# If a modename of ALL is produced, it has been set internally by
# CICS and all of the modegroups for this connection will be affected
# by the CNOS command.

System Action: The negotiated values are applied.

User Response: None.

Destination: CSNE

Module: DFHZGCN

XMEOUT Parameters: date, time, applid, termid, tranid, netname, sysid, modename, n1, n2, instance, \{1=DFHZGCN\}

DFHZC4902 E date time applid termid tranid Attach FMH or subfield length error. sense ((instance) Module name: (DFHZATT))

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the function management header (FMH) length or in the length of one of the subfields. As a result, CICS is unable to determine which task to attach.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated with a dump.

User Response: The remote APPC system is sending an invalid attach header (FMH type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZATT

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, \{1=DFHZATT, 2=DFHZATT, 3=DFHZATT, 4=DFHZATT, 5=DFHZATT, 6=DFHZATT, 7=DFHZATT\}

DFHZC4903 E date time applid termid tranid Attach FMH not found. sense ((instance) Module name: (DFHZATT))

Explanation: A request to attach a task has been received across an APPC link. However, no APPC attach header has been found at the start of the input data stream.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated with a dump.

User Response: The remote APPC system is failing to send a valid attach header (FMH type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZATT

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, \{1=DFHZATT, 2=DFHZATT\}

DFHZC4904 E date time applid termid tranid Bracket FSM error. sense ((instance) Module name: (DFHZRAC | DFHZRLP | DFHZSDL | DFHZSLX))

Explanation: The bracket finite state machine (FSM) has reported an error in the use of APPC bracket protocols.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated with a dump.

User Response: If this message occurs after a persistent sessions restart, look for associated messages for more guidance. The problem might be temporary.

If this message occurs during normal system execution, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSNE

Modules: DFHZRAC, DFHZRLP, DFHZSDL, DFHZSLX

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, \{1=DFHZRAC, 2=DFHZRLP, 3=DFHZSDL, 4=DFHZSLX\}

DFHZC4905 E date time applid termid tranid Chain FSM error. sense ((instance) Module name: (DFHZDET | DFHZERH | DFHZRAC | DFHZRLP | DFHZSDL | DFHZSLX))

Explanation: The chain finite state machine (FSM) has reported an error in the use of APPC chaining protocols.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If this message occurs after a persistent sessions restart, look for associated messages for more guidance. The problem might be temporary.

If this message occurs during normal system execution, investigate any transactions running on the session at the time of failure because the error can be caused by using both the LAST and WAIT options on an EXEC CICS SEND command in an APPC DTP application. This combination of parameters is not recommended. See the CICS Distributed Transaction Programming Guide for more information. If this is not the cause of the problem, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSNE

Modules: DFHZRAC, DFHZRLP, DFHZSDL, DFHZSLX, DFHZERH, DFHZDET

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, \{1=DFHZRRLP, 2=DFHZRLP, 3=DFHZRLP, 4=DFHZRRLP, 5=DFHZRLP, 6=DFHZRLP, 7=DFHZRLP, 8=DFHZDET, 9=DFHZERH, 10=DFHZSDL, 11=DFHZSDL, 12=DFHZSLX, 13=DFHZSLX, 14=DFHZSLX, 15=DFHZSLX, 16=DFHZSLX, 17=DFHZSLX, 18=DFHZSLX, 19=DFHZSLX, 20=DFHZSLX, 21=DFHZSLX, 22=DFHZRAC, 23=DFHZRAC, 24=DFHZRAC, 25=DFHZRAC, 26=DFHZRAC, 27=DFHZRAC, 28=DFHZRAC\}
DFHZC4906 E date time applid termid tranid Contention FSM error. sense ((instance) Module name: (DFHZCLS | DFHZDET | DFHZRAC | DFHZRLP))

Explanation: The contention finite state machine (FSM) has reported an error in the use of APPC contention protocols. For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated with a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If this message occurs after a persistent sessions restart, look for associated messages for more guidance. The problem might be temporary. If this message occurs during normal system execution, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSNE
Modules: DFHZRAC, DFHZRLP, DFHZDET, DFHZCLS DFHZCC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSDL}) Module name: (DFHZRVL, 2=DFHZRVL, 3=DFHZRVL, 4=DFHZRVL, 5=DFHZRVL, 6=DFHZRVL, 7=DFHZRVL, 8=DFHZRVL, 9=DFHZRVL, 10=DFHZRVL, 11=DFHZRVL, 12=DFHZRVL, 13=DFHZRVL, 14=DFHZRVL, 15=DFHZRVL, 16=DFHZRVL, 17=DFHZCLS)

DFHZC4907 E date time applid termid tranid Invalid request to send data routine. sense ((instance) Module name: (DFHZSDL))

Explanation: DFHZSDL was entered, but no valid request was passed to it.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated with a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSNE
Module: DFHZSDL
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSDL}) Module name: (DFHZRVL, 2=DFHZRVL, 3=DFHZRVL, 4=DFHZRVL, 5=DFHZRVL)

DFHZC4909 E date time applid termid tranid Invalid request to receive data routine. sense ((instance) Module name: (DFHZRVL))

Explanation: DFHZRVL was entered, but no valid request was passed.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated with a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSNE
Module: DFHZRVL
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRVL}) Module name: (DFHZRVL)

DFHZC4910 E date time applid termid tranid Receive buffer too small. sense ((instance) Module name: (DFHZRVL))

Explanation: The receive buffer passed to DFHRVL is too small to accommodate a maximum size request unit.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task will be abnormally terminated with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSNE
Module: DFHZRVL
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRVL, 2=DFHZRVL, 3=DFHZRVL, 4=DFHZRVL)

DFHZC4911 E date time applid termid tranid LU6.2 exception response received. sense ((instance) Module name: (DFHZRLP))

Explanation: A non-process-level exception response has been received.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated with a dump.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. Try to recreate the error by running a VTAM trace TYPE=IO/BUF to obtain complete details of the line flow.

Destination: CSNE
Module: DFHZRLP
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP}) Module name: (DFHZRLP)

DFHZC4912 E date time applid termid tranid BID received with invalid DFC indicators. sense ((instance) Module name: (DFHZRAC | DFHZRLP))

Explanation: BID with data received, but not OIC.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE
DFHZC4913 E date time applid termid tranid BID with data received with invalid DFC indicators. sense (instance) Module name: (DFHZRLP)

Explanation: A BID with data was received in an invalid state for rejection. For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE
Module: DFHZRLP
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZRLP, 2=DFHZRAC, 3=DFHZRLP)

DFHZC4914 E date time applid termid tranid Data length exceed max RU size. sense (instance) Module name: (DFHZRLP)

Explanation: The record length received exceeds the buffer length. For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE
Module: DFHZRLP
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZRLP, 2=DFHZRLP, 3=DFHZRLP, 4=DFHZRLP)

DFHZC4915 E date time applid termid tranid EOC received with invalid DFC indicators. sense (instance) Module name: (DFHZRLP)

Explanation: An end chain was received with invalid DFC indicators. For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE
Module: DFHZRLP
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZRLP, 2=DFHZRLP)

DFHZC4916 E date time applid termid tranid Send response failed. sense (instance) Module name: (DFHZRLP)

Explanation: A response, sent to acknowledge successful receipt of data, was rejected by VTAM. For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSNE
Module: DFHZRLP
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZRLP)

DFHZC4917 E date time applid termid tranid BIS received with invalid DFC indicators. sense (instance) Module name: (DFHZRLP)

Explanation: Bracket initiation stopped (BIS) received with invalid DFC flags. For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace will give further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE
Module: DFHZRLP
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZRLP, 2=DFHZRLP)

DFHZC4918 E date time applid termid tranid Unexpected response received. sense (instance) Module name: (DFHZRLP)

Explanation: An unexpected response was received that was either a positive response to data of a previous bracket, or a response to a command that cannot be accepted when the logical unit is in “continue specific” mode. For the meaning of the sense data, see the explanation on page 686.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on a APPC session. The CICS trace will give further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE
Module: DFHZRLP
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, (1=DFHZRLP, 2=DFHZRLP, 3=DFHZRLP, 4=DFHZRLP, 5=DFHZRLP)
DFHZC4919  E  date time applid  termid  tranid  Invalid indicators received.  sense  ((instance)  Module name:  
(DFHZARER | DFHZARL))

Explanation:  An indicator other than CD, CEB, RQD2, or error response has been received.

For the meaning of the sense data, see the explanation on page 686.

System Action:  The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:  You need further assistance from IBM to resolve this problem.  See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination:  CSNE

Modules:  DFHZARL, DFHZARER, DFHZARL

XMEOUT Parameters:  date, time, applid, termid, tranid, sense, instance, {1=DFHZARL, 2=DFHZARER, 3=DFHZARL, 4=DFHZARL, 5=DFHZARER}

DFHZC4920  E  date time applid  termid  tranid  Invalid data received.  sense  ((instance)  Module name:  
(DFHZARER | DFHZARL | DFHZERH))

Explanation:  Data received from the remote system or terminal is not in correct generalized data stream (GDS) format.

For the meaning of the sense data, see the explanation on page 686.

System Action:  The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:  You need further assistance from IBM to resolve this problem.  See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination:  CSNE

Modules:  DFHZARL, DFHZARER, DFHZERH

XMEOUT Parameters:  date, time, applid, termid, tranid, sense, instance, {1=DFHZARL, 2=DFHZARER, 3=DFHZERH, 4=DFHZERH, 5=DFHZERH, 6=DFHZERH, 7=DFHZARL, 8=DFHZARL, 9=DFHZARL, 10=DFHZARER, 11=DFHZARER, 12=DFHZARER}

DFHZC4921  E  date time applid  sysid  LU services manager failure.  R15 =X'xxxxx'  R0 =X'yyyyy'

Explanation:  An error situation has been detected during the operation of the LU services manager transaction program (DFHLUP).

Registers 15 and 0 are set to indicate the nature of the error as shown below:

Register 15 = X'0':  Task invalidly started ...
Register 0 = X'3':  ... via a perm transid.
Register 0 = X'4':  ... by a TD trigger.
Register 0 = X'5':  ... without data.
Register 0 = >X'6':  ... or is out of range of a valid start code for this service.

Register 15 = X'4':  Call code did not match a supported function (1-5).
Register 0 = call code
Register 15 = X'8':  Invalid parameters passed for this function.
Register 0 = keyword #
Register 15 = X'OC':  Function-specific checks failed for this keyword.
Register 0 = keyword #
Register 15 = X'10':  No input data supplied.
Register 0 = ¬0:  The IC_GET for the TS START data failed.
Register 0 = X'0':  The LUTYPE6.2 RECEIVE returned data length=0.
Register 15 = X'14':  The GDS-ID is not for XLN.
Register 0 = GDS-ID

System Action:  The task is allowed to complete but the required function is not executed.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:  If one of the errors mentioned above has occurred, try to discover the reason for the failure.  If you fail in this, you will need further assistance from IBM.  See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination:  CSNE

Module:  DFHLUP

XMEOUT Parameters:  date, time, applid, sysid, X'xxxxx', X'yyyyy'

DFHZC4922  E  date time applid  termid  tranid  Single session shutdown with DRAIN=CLOSE.  sense  ((instance)  Module name:  
(DFHZERH | DFHZGDA | DFHZRAC))

Explanation:  The connected logical unit has sent Bracket Initiation Stopped (BIS) and can accept no more work.

For the meaning of the sense data, see the explanation on page 686.

System Action:  If a conversation was active, it is treated as though rollback had occurred on it for full syncpoint (syncpoint level 2), or as session failure for confirm-level syncpoint (syncpoint level 1).

If there was no conversation, it is treated as a BID failure (as for 0813 sense code).

User Response:  None.

Destination:  CSNE

Modules:  DFHZRAC, DFHZGDA, DFHZERH

XMEOUT Parameters:  date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZGDA, 3=DFHZERH}
Chapter 1. DFH messages

DFHZC4923 I date time applid termid tranid Conversation abnormally terminated by transaction end in system sysid

Explanation: Transaction tranid, engaged in an SNA session with a CICS system, issued a command that was inconsistent with the transaction's current state in the conversation.

System Action: The conversation terminates and CICS sends this message to the connected logical unit at the nonfailing end of the conversation.

The application in system sysid abnormally terminates with an abend.

User Response: Correct the application program. To find the command in error, use the state diagrams in the CICS Intercommunication Guide.

Destination: CSNE
Module: DFHZARL
XMEOUT Parameters: date, time, applid, termid, tranid, sysid

DFHZC4924 E date time applid termid tranid Bind security password missing or invalid. sense ((instance) Module name: (DFHZBZLX I DFHZOPX I DFHZSCX))

Explanation: Bind-time security data sent to CICS by its partner LU is missing or invalid. CICS's password for the partner LU system differs from the partner's password for CICS. This can be caused by an attempt to sign on to CICS by an unauthorized user.

For the meaning of the sense data, see the explanation on page 686.

System Action: The bind is rejected.

User Response: Check that an unauthorized user has not tried to log on to CICS. Ensure that the unsuccessful connection is correctly defined to CICS (using RDO or the DFHTCT macro) and to its partner LU system. Ensure that the security requirements are equal at both partners, that is, both have security off, or both have security on. A mismatch is one cause of this message.

Destination: CSNE
Modules: DFHZSCX, DFHZOPX, DFHZBZLX
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZOPX, 2=DFHZBZLX, 3=DFHZOPX, 4=DFHZSCX}

DFHZC4925 E date time applid termid tranid Inconsistent attach security required. sense ((instance) Module name: (DFHZOPX I DFHZOPN))

Explanation: This message can be issued for any of the reasons listed below.

1. CICS has received a bind request specifying attach time security requirements different from those specified in the first bind.
2. CICS has received a bind requesting persistent verification.
3. CICS has received a bind which does not include an SNA functional management header (FMH12).

For the meaning of the sense data, see the explanation on page 686.

System Action: CICS rejects the bind.

User Response: CICS does NOT allow subsequent binds to specify different security requirements from the first bind. It will not support persistent verification on input either.

Where applicable, alter your applications to meet these requirements.

Destination: CSNE
Modules: DFHZOPX, DFHZOPN
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZOPX, 2=DFHZOPN, 3=DFHZOPN, 4=DFHZOPX}

DFHZC4926 E date time applid termid tranid Bind security encryption error. sense ((instance) Module name: (DFHZEV1 I DFHZEV2))

Explanation: CICS detected an error while verifying an encrypted bind security password.

For the meaning of the sense data, see the explanation on page 686.

System Action: CICS rejects the bind.

User Response: Investigate the CSNE and CSMT logs. Find out whether an unauthorized user tried to log on to CICS, or whether an authorized user entered his password incorrectly.

Destination: CSNE
Modules: DFHZEV1, DFHZEV2
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZEV1, 2=DFHZEV2, 3=DFHZEV1}

DFHZC4927 E date time applid termid tranid Bind FMH response error. sense ((instance) Module name: (DFHZRAC))

Explanation: CICS received a bind with bind security without an FMH12.

For the meaning of the sense data, see the explanation on page 686.

System Action: CICS rejects the bind.

User Response: This is an error either in CICS or in SNA. Keep the CSNE and CSMT logs. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSNE
Module: DFHZRAC
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZRAC, 3=DFHZRAC, 4=DFHZRAC}

DFHZC4928 E date time applid termid tranid Bind security GETMAIN of a TIOA failed. sense ((instance) Module name: (DFHZEV1))

Explanation: CICS required a TIOA work area for bind security validation, but the GETMAIN failed because insufficient storage was available.

System Action: CICS rejects the bind.

User Response: Consider increasing the size of the CICS region or reducing the number of concurrent CICS tasks (MXT parameter in the system initialization table).
DFHZC4929

**DFHZC4929 date time applid termid tranid invalid or unsupported BIND for logmode logmode. Response X'reason', Reason X'reason' (instance) Module: (DFHZZP)**

**Explanation:** CICS has detected an error while validating the BIND supplied by VTAM for a CICS typerterm definition defined with LOGMODE=0 or LOGMODE=1. The response code indicates:

- **X’04’** - The BIND supplied does not match the TCTTE detected by DFHZBANV.
- **X’08’** - The BIND supplied is unsupported – detected by DFHZBANV.
- **X’0C’** - The BIND supplied is invalid – detected by DFHZBANV.

The reason code for a response of X’04’ is as follows:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Invalid Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Should be hex 02, 03, 04 or 07</td>
</tr>
<tr>
<td>2-8</td>
<td>Should be hex 00, 02, 03, 04, 07, 13 or 14</td>
</tr>
<tr>
<td>9</td>
<td>Invalid for LUTYPE 1,2 or 3 - must be hex 01</td>
</tr>
<tr>
<td>0A,0B,10</td>
<td>Invalid for LUTYPE 1</td>
</tr>
<tr>
<td>0B</td>
<td>Invalid for LUTYPE 1</td>
</tr>
<tr>
<td>0C</td>
<td>Invalid for LUTYPE 2</td>
</tr>
<tr>
<td>0E</td>
<td>Invalid for LUTYPE 2</td>
</tr>
<tr>
<td>0F</td>
<td>Invalid for LUTYPE 2 should be hex 00, 01, 02, 03, 07, or 0F</td>
</tr>
<tr>
<td>11</td>
<td>Invalid for LUTYPE 3</td>
</tr>
<tr>
<td>12</td>
<td>Invalid for LUTYPE 3 should be hex 00, 01, 02, 03, 07, or 0F</td>
</tr>
<tr>
<td>13</td>
<td>Invalid for LUTYPE 6.2</td>
</tr>
<tr>
<td>14</td>
<td>Invalid for LUTYPE 6.2</td>
</tr>
<tr>
<td>15-18</td>
<td>Invalid for LUTYPE 6.2</td>
</tr>
<tr>
<td>19</td>
<td>Should be hex 00 or 02</td>
</tr>
<tr>
<td>1A</td>
<td>Should be hex 00, 01, 02, 03, 06</td>
</tr>
</tbody>
</table>

**System Action:** CICS rejects the logon request. The BIND being validated is printed with this message.

**User Response:** Use the response and reason codes and the printed BIND, together with the VTAM definition of the BIND for the relevant LOGMODE to determine the reason for the rejection.

Either change the logmode or use a different one that matches CICS requirements.

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DFHZC4929

**DFHZC4929 date time applid termid tranid invalid or unsupported BIND for logmode logmode. Reason X'reason', instance, (1=DFHZZP) Module: (DFHZZP)**

**Explanation:** CICS has detected an error while validating the BIND supplied by VTAM for a CICS typerterm definition defined with LOGMODE=0 or LOGMODE=1. The response code indicates:

- **X’04’** - The BIND supplied does not match the TCTTE detected by DFHZBANV.
- **X’08’** - The BIND supplied is unsupported – detected by DFHZBANV.
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<tr>
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<td>Invalid for LUTYPE 1</td>
</tr>
<tr>
<td>0C</td>
<td>Invalid for LUTYPE 2</td>
</tr>
<tr>
<td>0E</td>
<td>Invalid for LUTYPE 2</td>
</tr>
<tr>
<td>0F</td>
<td>Invalid for LUTYPE 2 should be hex 00, 01, 02, 03, 07, or 0F</td>
</tr>
<tr>
<td>11</td>
<td>Invalid for LUTYPE 3</td>
</tr>
<tr>
<td>12</td>
<td>Invalid for LUTYPE 3 should be hex 00, 01, 02, 03, 07, or 0F</td>
</tr>
<tr>
<td>13</td>
<td>Invalid for LUTYPE 6.2</td>
</tr>
<tr>
<td>14</td>
<td>Invalid for LUTYPE 6.2</td>
</tr>
<tr>
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<td>Invalid for LUTYPE 6.2</td>
</tr>
<tr>
<td>19</td>
<td>Should be hex 00 or 02</td>
</tr>
<tr>
<td>1A</td>
<td>Should be hex 00, 01, 02, 03, 06</td>
</tr>
</tbody>
</table>

**System Action:** CICS rejects the logon request. The BIND being validated is printed with this message.

**User Response:** Use the response and reason codes and the printed BIND, together with the VTAM definition of the BIND for the relevant LOGMODE to determine the reason for the rejection.

Either change the logmode or use a different one that matches CICS requirements.
System Action: The task is abended and a dump is produced. The session is unbound.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE
Module: DFHZSUP
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP}

DFHZC4933  E date time applid termid tranid Invalid DBA requested. sense ((instance) Module name: (DFHZSUP))

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the DBA field.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task abends and a dump is produced. The session is unbound.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE
Module: DFHZSUP
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP}

DFHZC4934  E date time applid termid tranid Invalid syncpoint level requested. sense ((instance) Module name: (DFHZSUP))

Explanation: A request to attach a task has been received across an APPC link. However, the synchronization level requested is invalid.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task abends and a dump is produced.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Check the sync level in the ATTACH header against that in the BIND.

Destination: CSNE
Module: DFHZSUP
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP}

DFHZC4935  E date time applid termid tranid Invalid UOWID supplied. sense ((instance) Module name: (DFHZSUP))

Explanation: A request to attach a task has been received across an APPC link and either the unit of work ID is invalid, or no UOWID was received when the sync point level required it.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task abends and a dump is produced. The session is unbound.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE
Module: DFHZSUP
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP}

DFHZC4936  E date time applid termid tranid Attach FMH or subfield length error. sense ((instance) Module name: (DFHZSUP))

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the FMH length or in the length of one of the sub-fields. This results in CICS being unable to determine which task to attach.

The instance instance is one of the following:

1 The FMH Length is not equal to the length of the fixed length portion + the length of all the sub fields.
2 The Conversation Correlator length within the FMH is greater than 8.

For the meaning of the sense data, see the explanation on page 686.

System Action: The task abends and a dump is produced.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE
Module: DFHZSUP
XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP, 2=DFHZSUP}

DFHZC4937  E date time applid termid tranid SAF request for LU6.2 bind has been rejected. Return Codes from the Security Manager are: RF= X='rf' and R0= X='r0' sense ((instance) Module name: (DFHZEV1 | DFHZEV2 | DFHZOPN))

Explanation: A security authorization facility (SAF) request to extract APPC bind-time security information from the external security manager (ESM) has been rejected with return code RF=X='rf' and R0=X='r0'.

This is due either to the ESM being inactive or to the appropriate APPC profile not being defined to the ESM.

For the meaning of the sense data, see the explanation on page 686.

System Action: CICS rejects the bind.

User Response: Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return codes which may have been produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the System Programming Library RACF manual for the meaning of the return codes.

If the appropriate APPC profile had not been defined to the ESM, define the profile, perform a CICS security rebuild and then attempt to reestablish the APPC connection.

Destination: CSNE
**DFHZC4938** E date time applid SAF request for LU6.2 bind has failed with ESM return code RF= X'r' and reason code R0= X'r0' sense (instance) Module name: (DFHZEV1 | DFHZEV2 | DFHZOPN)

**Explanation:** The external security manager (ESM) was attempting to process a security authorization facility (SAF) request. Processing has failed with return code RF=X'r' and reason code R0=X'r0'.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS rejects the bind.

**User Response:** Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return codes or reason codes produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for the meaning of the return code and the reason code.

**Destination:** CSNE

**Modules:** DFHZEV1, DFHZEV2, DFHZOPN

**XMEOUT Parameters:** date, time, applid, X'r', X'r0', sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZEV1, 4=DFHZEV2}

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**DFHZC4939** E date time applid Extraction of LU6.2 security data has failed with ESM returncode RF= X'r' and reason code R0= X'r0' sense (instance) Module name: (DFHZEV1 | DFHZEV2 | DFHZOPN)

**Explanation:** A request to extract APPC bind-time security information has failed with return code RF=X'r' and reason code R0=X'r0'. The profile information which was requested had not been previously defined to the external security manager (ESM).

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS rejects the bind.

**User Response:** Check the profiles defined to the ESM. Create the missing APPC profile entry.

Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return codes or reason codes produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for the meaning of the return code and the reason code.

**Destination:** CSNE

**Modules:** DFHZEV1, DFHZEV2, DFHZOPN

**XMEOUT Parameters:** date, time, applid, X'r', X'r0', sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZEV1, 4=DFHZEV2}

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**DFHZC4940** E date time applid Bind time failure. No session key found in LU6.2 profile. sense (instance) Module name: (DFHZEV1 | DFHZEV2 | DFHZOPN)

**Explanation:** APPC bind-time validation has failed. No session key has been found in the requested APPC profile information.

When bind-time security has been defined between two logical units (LUs), a valid session key must have been defined for the encryption process. A null session key (that is, when no key is defined) is regarded as an error.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS rejects the bind.

**User Response:** Check the profiles defined to the external security manager (ESM). Create a valid session key for the appropriate APPC profile entry. DO NOT use the NOSESSKEY ESM option for XAPPC security profiles when using RACF.

Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return and reason codes which produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for the meaning of the return code and the reason code.

**Destination:** CSNE

**Modules:** DFHZEV1, DFHZEV2, DFHZOPN

**XMEOUT Parameters:** date, time, applid, sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZEV1, 4=DFHZEV2}

---

**DFHZC4941** E date time applid Bind time failure. LU6.2 profile locked. sense (instance) Module name: (DFHZEV1 | DFHZEV2 | DFHZOPN)

**Explanation:** The external security manager (ESM) has requested profile information during bind-time validation but the requested profile is locked. When a profile is locked no sessions can be established.

For the meaning of the sense data, see the explanation on page 686.

**System Action:** CICS rejects the bind.

**User Response:** Check the profiles defined to the ESM. The system administrator may have locked the profile. Request that the profile be unlocked. Try once more when the profile has been unlocked.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for further information.

**Destination:** CSNE

**Modules:** DFHZEV1, DFHZEV2, DFHZOPN

**XMEOUT Parameters:** date, time, applid, sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZEV1, 4=DFHZEV2}

---

**DFHZC4942** E date time applid Bind time failure. Expired LU6.2 profile found. sense (instance) Module name: (DFHZEV1 | DFHZEV2 | DFHZOPN)

**Explanation:** The external security manager (ESM) has requested profile information during bind-time validation but the requested profile has expired.

For the meaning of the sense data, see the explanation on page 686.
**DFHZC4943** E date time applid termid tranid RPL B FSM error.

*Explanation:* The finite state machine (FSM), for the APPC alternate RPL (RPL 'B'), has detected an error in the use of the RPL.

For the meaning of the sense data, see the explanation on page 686.

*System Action:* The task is abnormally terminated with abend code ATNI and a dump is produced.

*User Response:* If this message occurs when VTAM is terminating, it is not a serious problem and usually no response is necessary.

If this message occurs during normal system execution, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSNE

**Module:** DFHZSDL

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZSDL}

---

**DFHZC4944** date time applid termid tranid Protocol Violation detected within bind security indicators. sense ((instance) Module name: (DFHZBLX ! DFHZOPX))

*Explanation:* CICS has detected an error while validating the bind security specification. LOCAL security has been specified, but the bind contains data that indicates NON LOCAL security.

For the meaning of the sense data, see the explanation on page 686.

*System Action:* CICS rejects the bind.

*User Response:* Ensure that the correct data is sent in the bind for the required type of security.

**Destination:** CSMT

**Modules:** DFHZSXX, DFHZOPX, DFHZBLX

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZBLX, 2=DFHZBLX, 3=DFHZOPX, 4=DFHZOPX}

---

**DFHZC4945** E date time applid termid tranid Session unbind request due to the forcepurge of a task. sense ((instance) Module name: (DFHZARER))

*Explanation:* A task was purged or forcepurged while it was suspended, waiting for an ISC request to complete.

For the meaning of the sense data, see the explanation on page 686.

*System Action:* An unbind is requested for the session against which the ISC request was waiting and the task is abended A FORCEPURGE command causes the task to be abended irrespective of the state of the session. Other VTAM error messages may result from this action.

*User Response:* Investigate the reasons the task was purged or forcepurged because it may have been the result of an application error. In addition, the partner task in the connected CICS system will have session failure notification returned on the next ISC request after the session has been unbound. Check that the partner task has handled the situation.

**Destination:** CSNE

**Module:** DFHZARER

**XMEOUT Parameters:** date, time, applid, termid, tranid, sense, instance, {1=DFHZARER}

---

**DFHZC4946** E date time applid termid tranid Invalid attach parameter was received. sense ((instance) Module name: (DFHZSUP))

*Explanation:* A request to attach a task has been received across an APPC link. However there is an error in the FMH attach parameters. An attach parameter is present that is not authorized by the bind security indicators.

# APAR PQ28549

The *instance* data can take the following values:

# instance Meaning

1 The bind security indicators show that the connection is defined as ATTACHSEC(LOCAL) indicating that this LU does not accept any security parameters in an attach from the partner LU. One or more of the following security parameters has been found: userid, Password, Profile, AV, PV1 and PV2.

2 An already-verified (AV) indicator has been received in an attach from the partner LU, but the bind security indicators show that this LU does not support the receipt of the AV indicator.

3 A persistent verification signon (PV2) indicator, or a persistent verification signed-on (PV1) indicator, has been received in an attach from the partner LU, but the bind security indicators show that this LU does not support the receipt of the PV indicator.

*System Action:* The task abends and a dump is produced and the session is unbound. An exception trace point (number 1737) for component TF is issued, tracing the invalid attach header (FMH type 5).

*User Response:* Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace to determine why the remote system sent an invalid attach request.

**Destination:** CSNE

**Module:** DFHZSUP
DFHZC4947 E date time applid termid tranid Attach time security check has failed. Security not valid, sense 
((instance) Module name: (DFHZGXA | DFHZSUP))

Explanation: A request to attach a task has been received over an APPC link. However the FMHS attach parameters do not conform to the APPC protocol.

The instance data can take the following values:

<table>
<thead>
<tr>
<th>#</th>
<th>instance Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Unrecognized access security subfield</td>
</tr>
<tr>
<td>2</td>
<td>Multiple userid access security subfields present</td>
</tr>
<tr>
<td>3</td>
<td>Multiple profile access security subfields present</td>
</tr>
<tr>
<td>4</td>
<td>Multiple password access security subfields present</td>
</tr>
<tr>
<td>5</td>
<td>Userid required in FMH but not received</td>
</tr>
<tr>
<td>6</td>
<td>PV1 and PV2 security indicators both present in FMH5</td>
</tr>
<tr>
<td>7</td>
<td>Password received when AV indicator set</td>
</tr>
<tr>
<td>8</td>
<td>Password received when PV1 indicator set</td>
</tr>
<tr>
<td>9</td>
<td>Password required for PV2 but not received.</td>
</tr>
</tbody>
</table>

System Action: The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued tracing the invalid attach header (FMH type 5).

User Response: Investigate the cause of the error which is in the remote system. Use the FMHS in the exception trace, to determine why the remote system sent an invalid attach request.

If the remote system has an earlier release of CICS or CICS on another platform and the sense value is 5 then you may need to set USEDFLTUSER. See 'Attach Time Security and the USEDFLTUSER option' in chapter 12 of the CICS RACF Security Guide.

Destination: CSNE

Modules: DFHZSUP, DFHZGXA

XMEOUT Parameters: date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP, 2=DFHZSUP, 3=DFHZSUP, 4=DFHZSUP, 5=DFHZSUP, 6=DFHZSUP, 7=DFHZSUP, 8=DFHZSUP, 9=DFHZSUP, 10=DFHZSUP, 11=DFHZSUP, 12=DFHZSUP, 13=DFHZSUP, 14=DFHZGXA, 15=DFHZGXA, 16=DFHZGXA, 17=DFHZGXA, 18=DFHZGXA, 19=DFHZGXA, 20=DFHZGXA, 21=DFHZGXA, 22=DFHZGXA, 23=DFHZGXA, 24=DFHZGXA, 25=DFHZGXA, 26=DFHZGXA, 27=DFHZGXA, 28=DFHZGXA, 29=DFHZGXA}

DFHZC4948 E date time applid An error has been detected when processing | unknown | inbound | outbound | request. | Persistent Verify Signoff request. | Persistent Verify Timeout request.) Transaction tranid is| continuing. | terminating. | terminating abnormally.} | Error code: | X'xxxxx' Connection: yyyy |

Explanation: An error has been detected during the execution of transaction CLS3. The error code indicates the nature of the error:

X'01' Transaction CLS3 issued an unsuccessful communications request on an APPC session.
X'02' Transaction CLS3 was started by a START command with data, but the format of the data was incorrect.
X'04' Transaction CLS3 is attempting to send a signoff request to a remote system, but the connection to the remote system is not an APPC connection.
X'06' Transaction CLS3 was started by a START command, but the data could not be retrieved.
X'09' Transaction CLS3 is attempting to send a signoff request to a remote system, but there is no connection to the remote system.
X'0A' Transaction CLS3 unsuccessfully attempted to allocate an APPC session to a remote system.
X'0B' Transaction CLS3 unsuccessfully attempted to allocate an APPC session to a remote system.

System Action: Depending upon the nature of the event that gave rise to the message, the transaction continues execution, terminates normally, or terminates abnormally. The message text indicates which action is being taken.

User Response: This depends upon the error code:

X'01' Determine why the communications request on the APPC session failed. Possible reasons are:

- There has been a session failure.
- The connected transaction has abended.

This error produces an exception trace, which helps to determine the cause of the problem.

X'02' Ensure that transaction CLS3 was started by CICS-supplied code, and not by application code. If it was started by CICS-supplied code, contact your IBM Support Center.
X'04' Check the connection definition for the remote system. It should be an APPC connection.
X'06' Ensure that transaction CLS3 was started by CICS-supplied code, and not by application code. If it was started by CICS-supplied code, contact your IBM Support Center.
X'09' Determine why the data could not be retrieved. If you are unable to do so, contact your IBM Support Center.
X'0A' Ensure that the connection has been correctly defined.
X'0B' Ensure that the connection is acquired and in service.

Destination: CSNE

Module: DFHCLS3

XMEOUT Parameters: date, time, applid, {1= unknown, 2= inbound, 3= outbound}, {1= request, 2=Persistent Verify Signoff request, 3=Persistent Verify Timeout request.}, tranid, {1= continuing, 2= terminating, 3= terminating abnormally.}, X'rc'

- DFHZC4949 E date time applid termid tranid netname Receive Any Stall - (data lost. | response lost. | command lost. | ) CLSDST return code X'rc' sense ((instance) Module name: (DFHZRAC))

Explanation: All the CICS Receive Any RPLs have been posted but the TCTTE for each one is waiting for a response from a VTAM terminal or session. All the Receive Any RPLs have been stalled for 10 dispatches of the TCP task (CSTP). This message is produced for each session that is in this situation. A VTAM session...
has not responded to a command such as BID or SHUTD sent by CICS. This is typically caused by a protocol error.

**System Action:**  CICS is running with system initialization parameter RAPOOL=(n,n,FORCE) causing CICS to issue a VTAM CLSDST against the session, which causes the TCTTE’s RPL to be completed and the session to be unbound.

The default NEP action is CLSDST, which causes CICS to clean up the TCTTE after the pending command has been terminated.

The Receive Any data received is discarded and the RA RPL is reissued.

**User Response:**  Investigate the reason why the command has not completed. The TCTTE RPL is printed with the message.

It is important to look at any earlier DFHZC4949 messages because of the asynchronous nature of DFHZNAC. If the CLSDST has not completed, the RPL printed will be active and will show the RPL that can not complete. If the CLSDST has completed when DFHZNAC runs, the RPL printed will have a RTNCD/FDB2 of X'O0C08' but RPLREQ still shows what command would not complete.

If the CLSDST return code rc is non 0, the CLSDST macro has failed in DFHZRAC and the session remains hung. You may be able to free the session by using VTAM command V NET,INACT,ID=netname,1. You can find the reason for the CLSDST failure by looking at the RPL in the AP FC90 trace point for the CLSDST.

**Destination:**  CSNE  
**Module:**  DFHZRAC  
**XMEOUT Parameters:** date, time, applid, tranid, netname, {1=data lost, 2=response lost, 3=command lost, }, X'r', sense, instance, {1=DFHZRAC, 2=DFHZRAC, 3=DFHZRAC}

---

**DFHZC4950 E date time applid An error has occurred when attempting to attach the outbound Connection Quiesce Protocol transaction CQPO on session termid. Release of connection sysid is continuing.  
(instance) Module name: (DFHZCLS)**

**Explanation:** An error has been detected while attempting to attach the outbound transaction for the Connection Quiesce Protocol (CQPO) on an APPC session.

**System Action:** The release of the connection continues, but the Connection Quiesce Protocol will take place only if the partner system successfully initiates it.

**User Response:** Determine why transaction CQPO failed to attach. If you have installed the correct definition for the transaction, you should never see this message, and you may need to contact your IBM Support Center for assistance.

If the partner system did not initiate the Connection Quiesce Protocol, you may need to determine if there are units of work awaiting resync, or VTAM affinities to be ended before you can INITIAL start either of the connected systems.

**Destination:**  CSNE  
**Module:**  DFHZCLS

---

**DFHZC4951 E date time applid An error has been detected when processing an connection Quiesce Protocol request. Transaction tranid is continuing. Release of connection sysid is abnormally terminating. Error code: X'xxxxx' Connection: yyyy**

**Explanation:** An error has been detected during the execution of transaction tranid. The error code indicates the nature of the error:

X'01'  Transaction tranid was not started by terminal input, nor by an internal CICS command.
X'02'  Transaction tranid was started by an inbound FMH5, but the TPN was not the correct value for the Connection Quiesce Protocol.
X'03'  Transaction tranid issued an unsuccessful communications request on an APPC session.
X'04'  Transaction tranid has been attached by an inbound FMH5. The format of the data received from the remote system did not comply with the architecture for the Connection Quiesce Protocol.
X'05'  Transaction tranid has received an unexpected response from the Recovery Manager.
X'06'  Transaction tranid has been attached by an internal CICS command and has sent a Connection Quiesce Protocol request to the remote system. The format of the reply received from the remote system did not comply with the architecture for the Protocol.
X'07'  Transaction tranid was started, but its principal facility is not a terminal or session.

**System Action:** Depending upon the nature of the event that gave rise to the message, the transaction continues execution, terminates normally, or terminates abnormally. The message text indicates which action is being taken.

**User Response:** This depends upon the error code:

X'01, 02, 07'  Ensure that transaction tranid was started by CICS-supplied code, and not by application code. If it was started by CICS-supplied code, contact your IBM Support Center.
X'03'  Determine why the communications request on the APPC session failed. Possible reasons are:
  - There has been a session failure.
  - The connected transaction has abended.

This error produces an exception trace, which helps to determine the cause of the problem.

In other cases, contact your IBM Support Center.

**Destination:**  CSNE  
**Module:**  DFHCLS5  
**XMEOUT Parameters:** date, time, applid, {1= unknown, 2= inbound, 3= outbound}, tranid, {1=continuing, 2= terminating, }, X'xxxxx', yyyy
DFHZC5900  E  date time applid System sysid has shipped definitions but connection cccc is not known to this system.

Explanation:  CICS has received definitions from remote system sysid, but cannot find a connection named cccc.

System Action:  CICS continues.

User Response:  If you want these definitions to be accepted, install the necessary connection using CEDA, and retransmit the definitions from the remote system.

Destination:  CSMT

Modules:  DFHBSTZ1, DFHBSTZ2

XMEOUT Parameters:  date, time, applid, sysid, cccc

DFHZC5901  E  date time applid Install for resource failed.  xxxx could not get storage

Explanation:  When installing resource resource, CICS module xxxx could not get storage for the extent specified by the value of yyyy.

System Action:  CICS continues.

User Response:  If possible, increase the size of your CICS address space.  Otherwise, consider reducing the number of resources used in one CICS run.

Destination:  CSMT

Modules:  DFHBSMIR, DFHBSMPP, DFHBSM62, DFHBSS, DFHBSSZM, DFHBSTB, DFHBSTB3, DFHBSTC, DFHBSTZ, DFHBSTZB, DFHBSTZO, DFHBSTZR, DFHBSTZV, DFHBSTZ1, DFHBSTZ2, DFHBSSZS

XMEOUT Parameters:  date, time, applid, resource, xxxx, yyyy

DFHZC5902  E  date time applid Deletion of terminal termid failed.  BMS Paging session still active

Explanation:  CICS cannot delete terminal termid because a BMS paging session is still active for the terminal.

System Action:  CICS continues.

User Response:  Sign on to terminal termid and purge the pages.

Destination:  CSMT

Module:  DFHBSTB

XMEOUT Parameters:  date, time, applid, termid

DFHZC5903  E  date time applid Deletion of terminal termid failed.  CICS logic error

Explanation:  CICS cannot delete the terminal termid, because the CICS batch data attach function (DIP) is still active for this terminal.

System Action:  CICS continues.  A system dump is taken with dumpcode ZC5903.  Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:  You need further assistance from IBM to resolve this problem.  See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination:  CSMT

Module:  DFHBSTD

XMEOUT Parameters:  date, time, applid, termid

DFHZC5904  E  date time applid Deletion of terminal termid failed.  CEDF is still active

Explanation:  CICS cannot delete the terminal termid because an EDF session is still active for this terminal.

System Action:  CICS continues.

User Response:  Deactivate EDF for the terminal, and reinstall the group.

Destination:  CSMT

Module:  DFHBSTE

XMEOUT Parameters:  date, time, applid, termid

DFHZC5905  E  date time applid Deletion of terminal termid failed.  CICS logic error

Explanation:  CICS cannot delete terminal termid because the command level interface is still active for this terminal.

System Action:  CICS continues.  A system dump is taken with dumpcode ZC5905.  Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:  You need further assistance from IBM to resolve this problem.  See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination:  CSMT

Module:  DFHBSTH

XMEOUT Parameters:  date, time, applid, termid

DFHZC5906  E  date time applid Install failed because 'xxxx' is not a permitted value for a terminal or connection name

Explanation:  A name of hexadecimal zeros has been used for a TERMINAL or CONNECTION definition.

This is a reserved value.  CICS has failed to install the terminal or connection.

xxxx is the reserved value converted to printable hexadecimal.  The error has probably been made using autoinstall.

System Action:  CICS continues.

User Response:  Correct the definition to use a valid name and reinstall the group.

Destination:  CSMT

Module:  DFHBSTZ1, DFHBSTZ2, DFHBSMPP

XMEOUT Parameters:  date, time, applid, xxxx

DFHZC5907  E  date time applid Deletion of remote shipped terminal failed for connection cccc

Explanation:  During the deletion of connection cccc, the connection was found to have shipped remote terminals.  The deletion of one or more of these shipped remote terminals has failed.

System Action:  CICS continues.

User Response:  See message DFHZC5915 for further information.

Use CEMT to release the connection and put it OUT OF SERVICE, then retry the install of the connection.

Destination:  CSMT
DFHZC5908 E date time applid Install for terminal termid failed. 
The security manager gave return code retcode

Explanation: CICS cannot install terminal termid. DFHXSMN gave the return code retcode.

System Action: CICS continues.

User Response: Check the value of the return code retcode in the CICS Customization Guide.

Destination: CSMT
Module: DFHBSTS

DFHZC5909 E date time applid Install of resource resource failed.
Call to DFHIRP irp_function Return_code did not succeed, See DFHIRSDS for return code.

Explanation: When installing resource resource, the CICS module DFHBSSZ in the CICS Customization Guide failed failed due to the specified return code.

System Action: CICS continues. The MRO connection resource is not installed.

User Response: For an explanation of the return code, see DFHIRSDS in the CICS Data Areas manual.

Destination: CSMT
Module: DFHBSSZR

DFHZC5911 E date time applid Install for resource resource failed. Connection cccc not found

Explanation: CICS could not find the connection cccc associated with resource resource.

System Action: CICS continues.

User Response: Install connection cccc.

Destination: CSMT
Module: DFHBSSZMIR

DFHZC5912 E date time applid Install for terminal termid failed. It is incompatible with connection cccc

Explanation: The terminal termid and the connection cccc are mutually incompatible.

System Action: CICS continues.

User Response: Modify your definition of termid or cccc.

Destination: CSMT
Modules: DFHBSTZ, DFHBSTZ2

DFHZC5913 E date time applid Deletion of node id failed. {A table entry is locked, A table entry was not found, There was a logic error, Table=tabname Key(key) Module(modname) Instance=inst}

Explanation: CICS cannot delete node id. The message explains the reason for the failure.

1. One of its TMP table entries is locked by other tasks.
2. A TMP table entry could not be found, possibly because the node was already deleted by another task.
3. There was a CICS logic error. A DFHTM0002 error message may have been issued as well.

The TMP table entry is identified by tabname. The key used in the table has a value key. The module that issued the message is identified by modname and the instance of the message in that module by inst.

System Action: The resource is not deleted. If the entry was locked, CICS issues one or more message DFHZC5980.

User Response: Choose the action which corresponds to the reason identified in the message:

1. See message DFHZC5980 for further information and guidance.
2. If the node is deleted, no action is needed. If the node exists, determine whether it was replaced while this request was running. If the entry exists and has not been replaced, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT
Modules: DFHBSS, DFHBSSZ, DFHBSTZ, DFHBSTZ1, DFHBSTZ2, DFHBSTZV, DFHBSTZS, DFHBSTZZ

DFHZC5914 E date time applid Deletion of terminal termid found another deletion of it in progress

Explanation: CICS has failed to delete terminal termid because it is already marked as pending deletion.

It is likely that a CEDA user is installing this terminal.

System Action: CICS continues.

User Response: Check if a CEDA user is installing the terminal.

Destination: CSMT
Modules: DFHBSSMIR, DFHBSSMPP, DFHBSS, DFHBSTZ

DFHZC5915 E date time applid Deletion of node id failed. {The node is still in service, The system entry is still in service, The node has a task attached, Module(modname)}

Explanation: CICS cannot delete node id. The reason is identified in the message.

1. The terminal or session is still in service.
2. The system entry of this session is still in service.
3. A task is still attached to this terminal or session.
The module issuing the message is identified as modname.

**System Action:** CICS continues and does not delete the node.

**User Response:** Before retrying the deletion or replacement, perform the action which corresponds to the reason given in the message.

1. Set the node OUT OF SERVICE
2. Set the system entry OUT OF SERVICE.
3. Wait for activity to cease for this node.

**Destination:** CSMT

**Modules:** DFHBSMIR, DFHBSTZ

**XMEOUT Parameters:** date, time, applid, id, {1=The node is still in service., 2=The system entry is still in service., 3=The node has a task attached.}, modname

DFHZC5916E date time applid Deletion of terminal termid failed. It has pending DFHZCP activity.

**Explanation:** CICS cannot delete terminal termid because of an error in disconnecting remote terminals.

**System Action:** CICS continues. A system dump is taken with dumpcode ZC5916. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSMT

**Module:** DFHLSSZ

**XMEOUT Parameters:** date, time, applid, termid

DFHZC5917E date time applid Deletion of terminal termid failed. Error message writer still active

**Explanation:** CICS cannot delete terminal termid because the error message writer is still active for this terminal.

**System Action:** CICS continues.

**User Response:** Put the terminal briefly into service and then take it out of service again, using the CEMT transaction.

**Destination:** CSMT

**Module:** DFHBSTZ

**XMEOUT Parameters:** date, time, applid, termid

DFHZC5918E date time applid Deletion of terminal termid Console consname failed. It has pending DFHZCP activity.

**Explanation:** The MVS console consname has outstanding activity that prevents its deletion.

**System Action:** CICS continues.

**User Response:** After replying to any outstanding replies requested of this console, put the console briefly into service and then take it out of service again, using the CEMT transaction.

**Destination:** CSMT

**Module:** DFHBSTZ

**XMEOUT Parameters:** date, time, applid, termid, consname

DFHZC5919E date time applid Deletion of terminal termid failed. CICS logic error

**Explanation:** CICS cannot delete terminal termid because of an error in disconnecting remote terminals.

**System Action:** CICS continues. A system dump is taken with dumpcode ZC5919. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSMT

**Module:** DFHBSSZ

**XMEOUT Parameters:** date, time, applid, termid

DFHZC5920E date time applid Install of terminal termid failed. CICS logic error

**Explanation:** This CICS system failed to install terminal termid. No terminals can be accepted yet because the system does not have a local system entry. There was probably a failure during CICS initialization.

**System Action:** CICS continues. A system dump is taken with dumpcode ZC5920. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Destination:** CSMT

**Modules:** DFHBSTZ, DFHBSTZ2

**XMEOUT Parameters:** date, time, applid, termid

DFHZC5921E date time applid Install of terminal termid failed. VTAM support not loaded.

**Explanation:** CICS failed to install terminal termid because CICS was initialized without VTAM support.

**System Action:** CICS continues processing.

**User Response:** To use VTAM, shut down CICS and restart with the system initialization parameter VTAM=YES, a TCT assembled with ACCESSMETHOD=VTAM, and appropriate RDO terminal definitions.

**Destination:** CSMT

**Module:** DFHBSSZV
**DFHZC5923**  
**date time applid Install for terminal termid failed.**  
*CICS logic error*

**Explanation:** CICS failed to install terminal termid because the bind-image was invalid.

**System Action:** CICS continues. A system dump is taken with dumpcode ZC5923. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** CSMT

**Module:** DFHBSZSV

**XMEOUT Parameters:** date, time, applid, termid

---

**DFHZC5924**  
**date time applid Install for terminal termid failed.**  
*CICS logic error*

**Explanation:** CICS failed to install terminal termid because the TCTTE contained no node information block (NIB) descriptor.

**System Action:** CICS continues. A system dump is taken with dumpcode ZC5924. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** CSMT

**Module:** DFHBSZSV

**XMEOUT Parameters:** date, time, applid, termid

---

**DFHZC5925**  
**date time applid Deletion of connection ccccc failed. Its AID-Chains are not empty**

**Explanation:** CICS did not delete connection ccccc because the AID-chains for the remote system ccccc are not empty.

**System Action:** CICS continues.

**User Response:** Using the CEMT transaction, put the connection into service to allow the outstanding AIDs to be processed. Then take the connection out of service to allow deletion.

**Destination:** CSMT

**Module:** DFHBSSA

**XMEOUT Parameters:** date, time, applid, ccccc

---

**DFHZC5926**  
**date time applid Install for connection ccccc failed.**  
*CICS logic error*

**Explanation:** CICS did not install the connection ccccc because DFHZCP did not receive a RECORDFORMAT operand.

**System Action:** CICS continues. A system dump is taken with dumpcode ZC5932. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** CSMT

**Module:** DFHBSZSV

**XMEOUT Parameters:** date, time, applid, ccccc

---

**DFHZC5927**  
**date time applid Install for connection ccccc failed.**  
*CICS logic error*

**Explanation:** CICS did not install the connection ccccc because DFHZCP did not receive a RECORDFORMAT operand.

**System Action:** CICS continues. A system dump is taken with dumpcode ZC5927. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Destination:** CSMT

**Module:** DFHBSZSV

**XMEOUT Parameters:** date, time, applid, ccccc

---

**DFHZC5930**  
**date time applid Remote connection (sysid) could not be deleted because it was in use by number sessions.**

**Explanation:** When remote connection sysid was being deleted, it was still in use by number of sessions.

**System Action:** The resource is not deleted. CICS continues.

**User Response:** Wait until access to this remote connection has quiesced and then retry the deletion.

**Destination:** CSMT

**Module:** DFHBSZSV

**XMEOUT Parameters:** date, time, applid, sysid, number

---

**DFHZC5931**  
**date time applid Install for modename modename failed. Maximum number of APPC sessions would have been exceeded**

**Explanation:** CICS did not install a SESSIONS definition using MODENAME modename because it would have exceeded the maximum number of permitted sessions.

```
# APAR PQ27823
# The maximum number of sessions depends on whether the PTF
# shipped for APAR PQ27823 is installed. The basic limit is 46656
# and the names are in the range -AAA to -999. The APAR doubles
# this limit to 93312 giving an additional range of AAA- to 999-.

System Action: CICS continues.
User Response: Either wait for the system to become less busy, or delete some APPC sessions.
```

**Destination:** CSMT

**Module:** DFHBSM61

**XMEOUT Parameters:** date, time, applid, modename
DFHZC5932  E  date time applid Install for modename modename failed. Connection cccc not found

Explanation:  CICS did not install a SESSIONS definition using MODENAME modename because of an unknown name cccc in the CONNECTION parameter.

System Action:  CICS continues.

User Response:  Install connection cccc.

Destination:  CSMT

Module:  DFHBSM62

XMEOUT Parameters:  date, time, applid, modename, cccc

DFHZC5933  E  date time applid Install for modename modename failed. Connection cccc is not valid here

Explanation:  CICS did not install a SESSIONS definition using MODENAME modename because the CONNECTION is not valid in this context.

System Action:  CICS continues.

User Response:  Modify your definition of remote system cccc.

Destination:  CSMT

Module:  DFHBSM62

XMEOUT Parameters:  date, time, applid, modename, cccc

DFHZC5934  E  date time applid Install for modename modename failed. Single-session connection cccc is already in use.

Explanation:  CICS did not install a SESSIONS definition using MODENAME modename because the single-session CONNECTION cccc is already in use.

System Action:  CICS continues.

User Response:  Modify the definition of cccc.

Destination:  CSMT

Modules:  DFHBSM61, DFHBSM62

XMEOUT Parameters:  date, time, applid, modename, cccc

DFHZC5935  E  date time applid Install for name failed. Duplicate session- or modegroup-name for connection sysid

Explanation:  CICS is unable to install a session or modegroup as the session-name or modegroup-name name is duplicated. The duplicate might be another connection, session, modegroup or terminal. However it might also be the local connection which has the name specified by SYSIDNT in the system initialization table.

System Action:  CICS continues processing, but the session or modegroup is not installed.

User Response:  Change the duplicated session-name or modegroup-name.

Destination:  CSMT

Modules:  DFHBSMIR, DFHBSM62

XMEOUT Parameters:  date, time, applid, name, sysid

DFHZC5937  I  date time applid Deletion of modename modename found another deletion of it in progress

Explanation:  CICS has not deleted a SESSIONS definition with MODENAME modename because the definition is already pending deletion.

System Action:  CICS continues.

User Response:  Check if a CEDA user was installing the SESSIONS definition.

Destination:  CSMT

Module:  DFHBSM62

XMEOUT Parameters:  date, time, applid, modename

DFHZC5938  E  date time applid Deletion of modename modename failed. Unable to delete session(s)

Explanation:  CICS is unable to delete a SESSIONS definition with MODENAME modename because of one or more errors reported in previous messages.

System Action:  CICS continues.

User Response:  Refer to any preceding messages for further information and guidance. Correct the reported errors.

Destination:  CSMT

Module:  DFHBSM61

XMEOUT Parameters:  date, time, applid, modename

DFHZC5939  E  date time applid Install for terminal termid failed.

Explanation:  CICS is unable to install a terminal connection because the terminal name specified by the TERMINAL field of the CEDA transaction is already in use.

System Action:  CICS continues.

User Response:  Put the terminal briefly into service and then take it out of service again, using the CEMT transaction.

Destination:  CSMT

Module:  DFHBSM62

XMEOUT Parameters:  date, time, applid, termid

DFHZC5940  E  date time applid Install for terminal termid failed. Error console cannot be deleted

Explanation:  You have tried to replace the error console, CERR. CICS does not allow this.

System Action:  CICS continues with original error console.

User Response:  Note this restriction.

Destination:  CSMT

Module:  DFHZCQDL

XMEOUT Parameters:  date, time, applid, termid
Chapter 1. DFH messages

DFHZC5941 E date time applid Install for terminal termid failed.
Console consname has a conversation outstanding

Explanation: CICS was unable to install terminal termid because
the console consname has posted an ECB.

System Action: Processing continues.

User Response: Put the terminal briefly into service and then
take it out of service again, using the CEMT transaction.

Destination: CSMT

Module: DFHBSTZ0

XMEOUT Parameters: date, time, applid, termid, consname

DFHZC5942 E date time applid Node nodeid was not installed.
The addition of key key to table tablename failed.
RC=X'return', modname

Explanation: CICS cannot install the definition of node nodeid
because an addition to a TMP table failed. CICS was trying to add
the key key to the table tablename.

The return code from TMP is given in return. If the return code is
4, the entry was a duplicate. It is possible that another entry was
added at the same time as this entry and used the same key. If
this is not the case, CICS has suffered a logic error. The module
that issued the message is indicated by modname.

System Action: CICS does not install the definition.

User Response: If the entry was not overlapped by another
definition which conflicted with its key, or if the return code is not 4,
you will need assistance from IBM to resolve the problem. See
Part 4 of the CICS Problem Determination Guide for guidance on
how to proceed.

Destination: CSMT

Modules: DFHBSS, DFHBSTZ, DFHBSTZZ, DFHBSTZ1,
DFHBSTZ2

XMEOUT Parameters: date, time, applid, nodeid, key, tablename,
X'return', modname

DFHZC5943 E date time applid MRO connection conname could
not be deleted because IRC is open.

Explanation: CICS cannot delete the connection conname
because it is an MRO connection and interregion communication
(IRC) is open.

System Action: The connection is not deleted.

User Response: Close the IRC definition and retry the Delete or
Replace.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: date, time, applid, conname

DFHZC5944 E date time applid Install for type(id) has failed. It
would make a loop of connection definitions.
Module(modname).

Explanation: CICS cannot install definition of type called id
because it would make a loop of connection definitions. The
connection type may be an indirect connection or a remote
collection. Indirect connections point to other connections with
the INDSYS field, and remote connections point to other
connections with the REMOTESYSTEM field. The module that
issued the message is identified by modname.

System Action: CICS does not install the definition.

User Response: Determine the source of the loop either in the
already installed definitions or in this definition, and change it
before attempting to reinstall this definition.

Destination: CSMT

Modules: DFHBSSZI, DFHBSTZ2

XMEOUT Parameters: date, time, applid, type, id, modname

DFHZC5945 E date time applid Deletion of sessions ssss failed.
Connection cccc is defined to IRC

Explanation: CICS has not deleted the SESSIONS definition,
ssss, because the CONNECTION is still defined to IRC.

System Action: CICS continues.

User Response: Issue a CEMT SET IRC CLOSED command.

Destination: CSMT

Module: DFHBSTZR

XMEOUT Parameters: date, time, applid, ssss, cccc

DFHZC5946 E date time applid Install for sessions ssss failed.
Connection cccc is defined to IRC

Explanation: CICS has not installed the SESSIONS definition,
ssss, because the CONNECTION is already defined to IRC.

System Action: CICS continues.

User Response: Issue a CEMT SET IRC CLOSED command.

Destination: CSMT

Module: DFHBSTZR

XMEOUT Parameters: date, time, applid, ssss, cccc

DFHZC5947 E date time applid Install for sessions ssss failed.
CICS logic error

Explanation: CICS has not installed the SESSIONS definition,
ssss, because the CONNECTION name is not specified.

System Action: CICS continues. A system dump is taken with
dumpcode ZC5947. Message DFHME0116 is normally produced
containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve
this problem. See Part 4 of the CICS Problem Determination
Guide for guidance on how to proceed.

Destination: CSMT

Modules: DFHBSMIR, DFHBSTZR

XMEOUT Parameters: date, time, applid, ssss

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DFHZC5948 E date time applid Install for sessions ssss failed.
  Connection cccc is not suitable for IRC

Explanation:  CICS has not installed the SESSIONS definition, ssss, because the CONNECTION specified is not suitable for IRC.

System Action:  CICS continues.

User Response:  Modify your definition of cccc.

Destination:  CSMT

Module:  DFHBSTZR

XMEOUT Parameters: date, time, applid, ssss, cccc

DFHZC5949 E date time applid Install for sessions ssss failed. It is incompatible with connection cccc

Explanation:  CICS has not installed the SESSIONS definition, ssss, because the CONNECTION specified does not support the required type of session. If you are replacing a connection of the same name but of a different type and the install fails for some other reason then this message may occur.

System Action:  CICS continues.

User Response:  Modify your definition of cccc.

Destination:  CSMT

Modules:  DFHBSMIR, DFHBSTZS, DFHBSTZR

XMEOUT Parameters: date, time, applid, ssss, cccc

DFHZC5950 E date time applid Install for terminal termid failed.
  Console consname already exists

Explanation:  CICS has not installed the CONSOLE definition termid because the console ID, consname, already exists.

System Action:  CICS continues without installing the terminal.

User Response:  Use the CEDA transaction to define a different console ID and reinstall the terminal.

Destination:  CSMT

Modules:  DFHBSS, DFHBSTZ, DFHBSTZO

XMEOUT Parameters: date, time, applid, termid, consname

DFHZC5951 E date time applid Deletion of connection ssss failed. Unable to delete sessions

Explanation:  CICS has not deleted the CONNECTION definition, ssss, because it cannot delete one or more sessions. A preceding message or messages should explain this failure.

System Action:  CICS continues.

User Response:  Refer to the preceding message for further information and guidance.

Destination:  CSMT

Modules:  DFHBSSZ, DFHBSSZ6

XMEOUT Parameters: date, time, applid, ssss

DFHZC5952 E date time applid Deletion of terminal termid failed.
  It needs to be SET RELEASED

Explanation:  CICS cannot delete terminal termid because of its current state.

System Action:  CICS continues.

User Response:  Use the CEMT transaction to set terminal termid released and out of service.

Destination:  CSMT

Module:  DFHBSTZV

XMEOUT Parameters: date, time, applid, termid

DFHZC5953 E date time applid CICS logic error

Explanation:  An object being installed did not have a bind-image.

System Action:  CICS continues. A system dump is taken with dumpcode ZC5953. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:  You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination:  CSMT

Module:  DFHBSM62

XMEOUT Parameters: date, time, applid

DFHZC5954 E date time applid Install for resource resource failed. Unable to install sessions component

Explanation:  CICS has failed to install resource resource. Previous message(s) should give the reason for the failure.

System Action:  CICS continues.

User Response:  Refer to any preceding messages for further information and guidance.

Destination:  CSMT

Module:  DFHBSTZC

XMEOUT Parameters: date, time, applid, resource

DFHZC5957 E date time applid Arch. User-Data ID X`xx occurs in bind. CICS logic error

Explanation:  The APPC SESSIONS object being installed is invalid because architected user-data IDs greater than X`02' occur in bind.

System Action:  CICS does not install the object. A system dump is taken with dumpcode ZC5957. Message DFHME0116 is normally produced containing the symptom string for this problem. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

User Response:

Destination:  CSMT

Module:  DFHBSM62

XMEOUT Parameters: date, time, applid, xx
DFHZC5958 E date time applid Install failed for xxxx. This is the name of the local system which must not be replaced.

Explanation: A terminal or a connection was defined with the same name as the local system entry during the last run of CICS. This is not allowed as the local system entry cannot be replaced. During cold or initial start of the current run of CICS, CICS attempted to install the group which included the invalid definition. CICS then issued this message.

System Action: CICS continues, but this terminal or connection is not installed.

User Response: Use the CEDA transaction to correct the terminal or connection name and install the group.

Destination: CSMT

Module: DFHBSSZL

XMEOUT Parameters: date, time, applid, xxxx

DFHZC5961 E date time applid Deletion of surrogate xxxx failed. CICS logic error

Explanation: CICS cannot delete a surrogate TCT entry.

System Action: CICS continues. A system dump is taken with dumpcode ZC5961. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Modules: DFHBSTZ1, DFHBSTZ2

XMEOUT Parameters: date, time, applid, xxxx

DFHZC5962 E date time applid Install for resource resource failed. Modename parameter not found

Explanation: CICS has failed to install resource resource because the MODENAME parameter is missing.

System Action: CICS continues.

User Response: Supply the missing parameter.

Destination: CSMT

Module: DFHBSTZS

XMEOUT Parameters: date, time, applid, resource

DFHZC5963 E date time applid operation RUSIZE xxxx from terminal termid was greater than TYPETERM RUSIZE yyyy.

Explanation: An autoinstall has been attempted with terminal termid that has a VTAM RECEIVESIZE greater than the corresponding TYPETERM RECEIVESIZE|SENDSIZE.

System Action: CICS continues. The autoinstall is rejected.

User Response: Increase the TYPETERM RECEIVESIZE or the TYPETERM SENDSIZE, OR decrease the RECEIVESIZEs in the VTAM LOGMODE table.

Destination: CSMT

Module: DFHBSSZV

XMEOUT Parameters: date, time, applid, operation, xxxx, termid, yyyy

DFHZC5964 E date time applid Install for sessions ssss failed. CICS logic error.

Explanation: CICS has failed to install SESSIONS ssss because the length of the BINDPASSWORD exceeds the limit of 8.

System Action: CICS continues. A system dump is taken with dumpcode ZC5964. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Module: DFHBSSZS

XMEOUT Parameters: date, time, applid, ssss

DFHZC5965 date time applid Pool delete for pool poolid failed. Terminal termid was being replaced at the same time.

Explanation: CICS failed in an attempt to install or delete POOL definition poolid. A terminal termid in the pool was being deleted at the same time as the pool was being installed or deleted. This probably due to changing the terminal from a pooled terminal to a non-pooled terminal, or changing the pool name for a terminal in the same group. CICS cannot continue to modify the pool until the change to the terminal has completed.

System Action: CICS continues.

User Response: Once the deletion or modification of the terminal has succeeded, retry the installation.

Destination: CADL

Module: DFHBSMPP

XMEOUT Parameters: date, time, applid, poolid, termid

DFHZC5966 I date time applid {INSTALL | DELETE | RESTORE} started for resource (termid) (Module name: modname).

Explanation: CICS is starting to install, delete or restore resource. The resource may be either a terminal, a connection, a modegroup, a session, or a pool_entry. Other messages are issued after this one if this installation, deletion or restoration fails.

System Action: CICS continues.

User Response: None.

Destination: CADL

Modules: DFHBSTZ, DFHBSMPP, DFHBSM62, DFHBSS, DFHBSMIR

XMEOUT Parameters: date, time, applid, {1=INSTALL, 2=DELETE, 3=RESTORE}, resource, termid, modname

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DFHZC5967 E date time applid Install for modename modename failed. Unable to install sessions

Explanation: CICS has failed to install a SESSIONS definition using MODENAME modename. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to the preceding message for further information and guidance.

Destination: CSMT
Module: DFHBSM61
XMEOUT Parameters: date, time, applid, modename

DFHZC5968 E date time applid Unable to install LU Services Manager for modename modename

Explanation: CICS has failed to install a CONNECTION definition for MODEGROUP modename. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to any preceding messages for further information and guidance.

Destination: CSMT
Module: DFHBSSSZP
XMEOUT Parameters: data, time, applid, modename

DFHZC5969 E date time applid Deletion of dependent modename(s) failed for connection modename

Explanation: CICS has failed to replace a CONNECTION definition for MODEGROUP modename. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to any preceding messages for further information and guidance.

Destination: CSMT
Module: DFHBSSSZS
XMEOUT Parameters: date, time, applid, modename

DFHZC5970 E date time applid Delete of resource resource failed. It is still signed on

Explanation: CICS failed to delete a TERMINAL or SESSIONS resource resource because a terminal or session is still signed on.

System Action: CICS continues.

User Response: Run the signoff transaction CESF and retry.

Destination: CSMT
Module: DFHBSTS
XMEOUT Parameters: date, time, applid, resource

DFHZC5971 E date time applid Delete of resource resource failed. Max session-count reached for modename modename

Explanation: CICS failed to delete a SESSIONS definition ssss because the maximum session-count was reached for MODENAME modename.

System Action: CICS continues.

User Response: Delete some sessions in modename, or redefine modename with a higher maximum session-count.

Destination: CSMT
Module: DFHBSTZS
XMEOUT Parameters: date, time, applid, ssss, modename

DFHZC5972 E date time applid Install for sessions ssss failed. Max session-count reached for modename modename

Explanation: CICS failed to install a CONNECTION definition ssss because the maximum session-count was reached for MODENAME modename.

System Action: CICS continues.

User Response: Refer to any preceding messages for further information and guidance.

Destination: CSMT
Module: DFHVSMPP
XMEOUT Parameters: date, time, applid, ssss, modename

DFHZC5973 E date time applid Install for sessions ssss failed. Max session-count reached for modename modename

Explanation: CICS failed to install a CONNECTION definition ssss because the maximum session-count was reached for MODENAME modename.

System Action: CICS continues.

User Response: Refer to any preceding messages for further information and guidance.

Destination: CSMT
Module: DFHVSTZS
XMEOUT Parameters: date, time, applid, ssss, modename

DFHZC5974 E date time applid Install for resource pppp failed.

Explanation: CICS logic error

System Action: CICS logic error

User Response: Refer to any preceding messages for further information and guidance.

Destination: CSMT
Module: DFHBSTZS
XMEOUT Parameters: date, time, applid, pppp

DFHZC5975 E date time applid Install for resource pppp failed.

Explanation: CICS logic error

System Action: CICS logic error

User Response: Refer to any preceding messages for further information and guidance.

Destination: CSMT
Module: DFHBSTZS
XMEOUT Parameters: date, time, applid, pppp
DFHZC5976 E date time applid CICS logic error

Explanation: CICS failed to install a POOL definition because the required POOLCNT parameter was missing. This is a CICS logic error (probably in DFHTRZPP).

System Action: CICS continues. A system dump is taken with dumpcode ZC5976. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT
Module: DFHSMPMP
XMEOUT Parameters: date, time, applid

DFHZC5977 E date time applid Failure building pool entries

Explanation: CICS failed to install a POOL definition, because of a failure in building pool entries. Previous messages should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to any previous messages for further information and guidance.

Destination: CSMT
Module: DFHSMPMP
XMEOUT Parameters: date, time, applid

DFHZC5978 E date time applid Unable to replace pool pppp

Explanation: CICS failed in an attempt to install or delete a POOL definition. Previous messages should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to previous messages for further information and guidance.

Destination: CSMT
Module: DFHSMPMP
XMEOUT Parameters: date, time, applid, pppp

DFHZC5979 E date time applid Deletion of pool pppp failed. It still has session termid

Explanation: CICS has failed to delete pool pppp because the pool still has an active session for terminal termid.

System Action: CICS continues.

User Response: Put the terminal out of service (using the CEMT transaction) and retry.

Destination: CSMT
Module: DFHBSTZP
XMEOUT Parameters: date, time, applid, pppp, termid

DFHZC5980 E date time applid Resource resource is in use by task taskid Transaction tranid

Explanation: The resource resource is in use. taskid is the task number, and tranid is the transaction ID.

System Action: CICS continues.

User Response: Wait for the termination of task taskid, and retry the operation.

Destination: CSMT
Modules: DFHBSS, DFHBSSZ, DFHBSTZ, DFHBSTZ1, DFHBSTZ2, DFHBSTZV
XMEOUT Parameters: date, time, applid, resource, taskid, tranid

DFHZC5981 E date time applid Pool pppp not found

Explanation: CICS has failed to install a resource because POOL pppp does not exist. Previous messages should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to the previous messages for further information and guidance.

Destination: CSMT
Module: DFHBSTZP
XMEOUT Parameters: date, time, applid, pppp

DFHZC5982 E date time applid Deletion of pool pppp failed. Pool entry is in use for termid

Explanation: CICS has failed to delete POOL pppp because the pool still has an entry in use for terminal termid.

System Action: CICS continues.

User Response: Put the terminal out of service (using the CEMT transaction) and retry.

Destination: CSMT
Module: DFHSMPMP
XMEOUT Parameters: date, time, applid, pppp, termid

DFHZC5983 E date time applid Unable to replace resource

Explanation: CICS failed to install resource resource either because it already exists, or for reasons explained in previous messages.

Possible causes are:
- Non-VTAM and VTAM terminals defined with the same name. If a non-VTAM terminal is installed, CICS will not autoinstall a VTAM terminal with the same name.
- An attempt to replace your own terminal, or a terminal with the same name as the terminal being used to issue the CEDA command.
- An attempt to replace a terminal with the same REMOTENAME and REMOTESYSTEM as an earlier definition in the same group.

System Action: CICS continues.

User Response: Refer to previous messages for further information and guidance.

If no previous messages were issued, check your terminal identifiers.
DFHZC5984 E  date time applid The installation or deletion of resource1 has failed. Task taskid is updating related system definition sysname. Module modname.

Explanation: The installation or deletion of the communications resource, resource1 of resource type restype1 has failed. This resource refers to a system entry, sysname, which is being updated by another task. The other task is identified by taskname and taskid. The resource type restype1 can be a terminal, remote terminal, connection, remote connection, or indirect connection. The message is issued by module modname.

System Action: CICS continues but reverses the effects of the installation or deletion.

User Response: Wait until the other task has completed then retry the action.

Destination: CSMT
Modules: DFHBSS, DFHBSTZ, DFHBSS2, DFHBSTZ1, DFHBSTZ2
XMEOUT Parameters: date, time, applid, resource

DFHZC5985 E  date time applid Install for resource resource failed. Unable to install connection component

Explanation: CICS has failed to install resource resource. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to previous messages for further information and guidance.

Destination: CSMT
Module: DFHBSTZC
XMEOUT Parameters: date, time, applid, resource

DFHZC5986 E  date time applid CICS logic error

Explanation: Either the warm keypoint program (DFHWKP), or the query transaction (DFHQRY), made an invalid request which could not be implemented.

System Action: CICS continues. A system dump is taken with dumpcode ZC5986. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT
Module: DFHZCQCH

DFHZC5987 E  date time applid The install or delete of resource1 has failed. Task taskid is changing a definition which uses the restype2 resource2. Module modname.

Explanation: The installation or deletion of communications resource resource1 of resource type restype1 has failed. Table builder services cannot complete the change because another task is updating a definition which uses the resource resource2 of resource type restype2. The other task is identified by taskid and taskname. Restype2 can be a termid, netname, a unique network-qualified ID, or a pipeline terminal pool_name Restype1 can be a terminal, a session, a remote terminal, a connection, a remote connection, or a pipeline terminal. The message was issued by module modname.

System Action: CICS continues but reverses this install or delete.

User Response: Wait until the other task has completed and then retry the action.

Destination: CSMT
Modules: DFHBSS, DFHBSTZ, DFHBSTZS, DFHBSTZV, DFHBSTZ2, DFHBSTZ1, DFHBSTZ2, DFHBSMPP, DFHBSTZP
XMEOUT Parameters: date, time, applid, resource, cccc

DFHZC5988 E  date time applid Install for resource resource failed. VTAM support not generated

Explanation: CICS failed to install resource resource because CICS was initialized without VTAM support.

System Action: CICS continues.

User Response: If you want to install VTAM resources urgently, shut down CICS, and restart it with the system initialization parameter ACCESSMETHOD=VTAM, and appropriate TCT or RDO terminal definitions.

Destination: CSMT
Modules: DFHBSSZS, DFHBSSZ6, DFHBSTZV
XMEOUT Parameters: date, time, applid, resource

DFHZC5989 E  date time applid Deletion of resource resource failed. Remote deletion in connection cccc failed

Explanation: CICS failed to delete resource resource because a remote delete in system cccc failed.

Previous messages should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to the previous message for further information and guidance.

Destination: CSMT
Modules: DFHBSTZ1, DFHBSTZ2
XMEOUT Parameters: date, time, applid, resource, cccc
Chapter 1. DFH messages

DFHZC5990 E date time applid CICS logic error
Explanation:  CICS rejected an INSTALL or DELETE request because it does not recognize the request code.
System Action:  CICS continues. A system dump is taken with dumpcode ZC5990. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response:  You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination:  CSMT
Module:  DFHZCQ00
XMEOUT Parameters: date, time, applid

DFHZC5991 E date time applid CICS logic error
Explanation:  CICS rejected a VALIDATE BIND request because no BIND was supplied.
System Action:  CICS continues. A system dump is taken with dumpcode ZC5991. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response:  You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination:  CSMT
Module:  DFHZCQ00
XMEOUT Parameters: date, time, applid

DFHZC5992 E date time applid Resource Types Table does not support recovery record
Explanation:  CICS rejected a RESTORE request because the resource types table (DFHZCQRT) in DFHZCQ is incompatible with the recovery record from the log or CICS catalog.
System Action:  CICS continues. A system dump is taken with dumpcode ZC5992. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response:  CICS is unable to warm start correctly. You should therefore shut CICS down and perform a cold or initial start.
Destination:  CSMT
Module:  DFHZCQRS
XMEOUT Parameters: date, time, applid

DFHZC5993 E date time applid CICS logic error
Explanation:  CICS rejected a RESTORE request because the resource types table (DFHZCQRT) in DFHZCQ is incompatible with the recovery record from the log or CICS catalog.
System Action:  CICS continues. A system dump is taken with dumpcode ZC5993. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response:  You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination:  CSMT
Module:  DFHZCQRS
XMEOUT Parameters: date, time, applid

DFHZC5994 E date time applid CICS logic error
Explanation:  CICS rejected a RESTORE request because no recovery record was passed.
System Action:  CICS continues. A system dump is taken with dumpcode ZC5994. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response:  You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination:  CSMT
Module:  DFHZCQ00
XMEOUT Parameters: date, time, applid

DFHZC5995 E date time applid CICS logic error. Resource Type Code xxxx Subtype yyyy not recognized with associated bind image
Explanation:  CICS failed to install a resource with resource type code (RTC) xxxx and subtype yyyy (from the Builder Parameter Set) because a resource with type code xxxx, sub-type yyyy, and the associated BIND-image, is not a builder resource type. The RTC and subtype are defined in module DFHZCQRT.
This is a CICS logic error (probably in DFHTRZxP).
System Action:  CICS continues. A system dump is taken with dumpcode ZC5995. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response:  You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination:  CSMT
Module:  DFHZCQIS
XMEOUT Parameters: date, time, applid, xxxx, yyyy

DFHZC5996 E date time applid CICS logic error
Explanation:  CICS rejected an INSTALL request because the resource type code in the request is zero.
System Action:  CICS continues. A system dump is taken with dumpcode ZC5996. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response:  You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination:  CSMT
Module:  DFHZCQIS
XMEOUT Parameters: date, time, applid

DFHZC5997 E date time applid CICS logic error
Explanation:  CICS has rejected an INQUIRE request because no TCT entry was passed.
System Action:  CICS continues. A system dump is taken with dumpcode ZC5997. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response:  You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination:  CSMT
Module:  DFHZCQIQ
DFHZC5998 E  

XMEOUT Parameters: date, time, applid

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DFHZC5998 E  date time applid Install specified a resource that cannot be replaced

Explanation: CICS rejected a DELETE request because the entry passed is of a type that cannot be deleted, for example, a non-VTAM terminal.

System Action: CICS continues.

User Response: The failing delete/replace was necessitated by an INSTALL request. Correct the resource type in that request.

Destination: CSMT

Modules: DFHZCQCH, DFHZCQDL

XMEOUT Parameters: date, time, applid

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DFHZC5999 E  date time applid CICS logic error.

Explanation: If DFHZCQCH issues this message, CICS has rejected a CATALOG request because the required entry parameter was not passed.

If DFHZCQDL issues this message, CICS has rejected a DELETE request because the required entry parameter was not passed.

System Action: CICS continues. A system dump is taken with dumpcode ZC5999. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Modules: DFHZCQCH, DFHZCQDL

XMEOUT Parameters: date, time, applid

---

DFHZC6201 E  applid CICS table builder services has detected a severe error in module modname code X'code'.

Explanation: While executing a request, CICS table builder services has detected that the subpattern pattern cites a builder that is not declared with DFHBSHDR(ENTRY). pattern is the name of the subpattern as coded in the DFHBSPTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6201. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Modules: DFHTBSBP, DFHTBSDP

XMEOUT Parameters: date, time, applid, pattern

---

DFHZC6202 E  date time applid Pattern pattern not valid for builder

Explanation: While executing a request, CICS table builder services has detected that the pattern pattern cites a builder that is not declared with DFHBSHDR(ENTRY). pattern is the name of the pattern as coded in the DFHBSHDR macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6202. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Modules: DFHTBSB, DFHTBLS, DFHTBSQ, DFHTBSR

XMEOUT Parameters: date, time, applid, pattern

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DFHZC6204 E  date time applid Illegal subpattern definition pattern

Explanation: While executing a request, CICS table builder services has detected that the subpattern pattern cites a builder that is not declared with DFHBSHDR(ENTRY). pattern is the name of the subpattern as coded in the DFHBSPTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6204. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Modules: DFHTBSBP, DFHTBSDP

XMEOUT Parameters: date, time, applid, pattern

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DFHZC6205 E  date time applid Illegal subpattern definition pattern

Explanation: While executing a request, CICS table builder services has detected that the subpattern pattern is invalidly defined. pattern is the name of the subpattern as coded in the DFHBSPTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6205. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CSMT

Modules: DFHTBSBP, DFHTBSDP

XMEOUT Parameters: date, time, applid, pattern
Chapter 1. DFH messages

DFHZC6206  E date time applid Pattern pattern not valid for destroy
Explanation: While executing a DESTROY request, CICS table builder services has detected that the pattern pattern is not valid for a DESTROY request. pattern is the name of the pattern as coded in the DFHBSPTE macro.
System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6206. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CSMT
Module: DFHTBSL
XMEOUT Parameters: date, time, applid, pattern

DFHZC6207  E date time applid Catalog key too long or zero. Pattern pattern
Explanation: While executing a request, CICS table builder services has detected that builder cited in the pattern pattern has returned an invalid CC key on MAKEKEY. pattern is the name of the pattern as coded in the DFHBSPTE macro.
System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6207. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CSMT
Modules: DFHTBSBP, DFHTBSDP, DFHTBSL
XMEOUT Parameters: date, time, applid, pattern

DFHZC6208  E date time applid CICS table builder services has detected a severe error in module modname, code(X'code').
Explanation: While executing a request, CICS table builder services detected a severe error. The error is identified by the error code code and the module modname.
System Action: CICS rejects the request. It has already issued message DFHZC6201, written an exception trace record identified by code, and taken a dump.
User Response: This failure indicates either an error in CICS, or a storage overlay. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CSMT
Modules: DFHTBSS, DFHTBS, DFHTBSBP, DFHTBSDP, DFHTBSL, DFHTBSLP, DFHTBS
XMEOUT Parameters: date, time, applid, X'code', modname

DFHZC6209  E date time applid Invalid ZC catalog request code xxxx
Explanation: While executing a request, CICS table builder services has detected that the code, xxxx, for a catalog request is invalid.
System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6209. Message DFHME0116 is normally produced containing the symptom string for this problem.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: CSMT
Module: DFHTBSL
XMEOUT Parameters: date, time, applid, xxxx

DFHZC6210  E date time applid Table builder could not obtain storage for control block code X'code', module modname.
Explanation: While executing a BUILD, a DESTROY or a RESTORE request, CICS table builder services could not obtain storage for a control block. The control block could be a RRAB, a RABN, an action_block, a recovery record, or a recovery segment. The error code code identifies the element that could not be obtained by the module modname.
System Action: CICS rejects the request. It has already written an exception trace record identified by code.
User Response: This failure may be a symptom of a expanded dynamic storage area (EDSA) that is too small. If so, you can solve the problem by increasing the size of your CICS region. For guidance on estimating the size of the DSA and the CICS region, see the CICS System Definition Guide and the CICS Performance Guide. You can identify which control block that could not be obtained by formatting the exception trace record.
The failure may also be caused by an error in another transaction, for example, a looping program with an EXEC CICS GETMAIN within the loop.
Destination: CSMT
Modules: DFHTBSB, DFHTBSD, DFHTBSBP, DFHTBSDP, DFHTBSLP, DFHTBS
XMEOUT Parameters: date, time, applid, X'code', modname

DFHZC6212  E date time applid Level mismatch with catalog record, DFHBS xxx
Explanation: While executing a request during a warm or emergency start, CICS Table Builder Services has detected that the CC record is not compatible with the pattern it names. xxx is the builder ID.
System Action: CICS rejects the request.
User Response: The CC record was probably written by an earlier level of CICS. That is, you have applied one or more PTF maintenance fixes to the system since the CC record was written. Assuming this is the case, you must either:
- Cold or initial start CICS, or
- Remove the maintenance to enable a warm start or emergency restart.
Destination: CSMT
Modules: DFHTBSR, DFHTBSRP

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DFHZC6213 E date time applid Recovery record abandoned. Key is key
Explanation: While processing a RESTORE request, CICS Table Builder Services detected an error reported in a previous message. key is the catalog key for the abandoned record, or, if the key is unknown to CICS, key is the single character ?.
System Action: See the previously issued message for the cause of the problem, and follow the recommended user action.
Destination: CSMT
Module: DFHTBSR
XMEOUT Parameters: date, time, applid, xxx

DFHZC6214 E date time applid Unable to obtain recovery record storage
Explanation: While processing a CATALOG request, CICS Table Builder Services could not obtain recovery record storage.
System Action: CICS rejects the request.
User Response: This failure may be a symptom of a dynamic storage area (DSA) that is too small. If so, you can solve the problem by increasing the size of your CICS region. For advice on estimating the size of the DSA and the CICS region, see the CICS System Definition Guide and the CICS Performance Guide.
The failure may also be caused by an error in another transaction, for example, a looping program with an EXEC CICS GETMAIN within the loop.
Destination: CSMT
Module: DFHTBSLP
XMEOUT Parameters: date, time, applid

DFHZC6216 E date time applid Install for restype1 (resname1) failed and caused the backout of the whole set of RDO resources for restype2 (resname2).
Explanation: The RDO definition for a resource of type restype1 named resname1 could not be installed because of an error. This causes the installable set of RDO definitions associated with restype2 named resname2 to be backed out.
The resource type of the definition that failed restype1 can be connection, session, modegroup, pool, or pooled terminal. The resource type of the associated definition restype2 can be connection, or a pool name for pipeline terminals.
System Action: CICS backs out the installation of the set of associated RDO definitions and continues without them.
User Response: Correct the reason for the failure of the definition, identified by previous DFHZXnnnn messages, and then retry the install.
Destination: CSMT
Module: DFHTBSB
XMEOUT Parameters: date, time, applid, restype1, resname1, restype2, resname2

DFHZC6301 E date time applid Install for tttt failed. Duplicate netname netname for resource rrr found.
Explanation: A resource tttt was being installed but was found to have the same network name netname as resource rrr.
System Action: The resource is not installed, CICS continues.
User Response: If you want the definitions to be installed, use CEDA to correct the network name and reinstall the definition.
Destination: CSMT
Module: DFHBSTZV
XMEOUT Parameters: date, time, applid, tttt, netname, rrr

DFHZC6302 E date time applid Install for connection cccc failed. Duplicate netname netname for resource rrr found.
Explanation: A connection cccc was being installed but was found to have the same network name netname as resource rrr.
System Action: The resource is not installed, CICS continues.
User Response: You cannot have an APPC connection with the same network name as another APPC connection or an LU6.1 connection. That is, you cannot have more than one APPC connection between two systems and an APPC connection cannot be installed with an LU6.1 connection between two systems.
Neither APPC or LU6.1 network names can be the same as a terminal's network name.
Also you cannot have an IRC (or XM) connection with the same network name as another IRC (or XM) connection. However, an IRC network name can be the same as any VTAM network name (APPC or LU61 connection or terminal).
If you want the definitions to be installed, use CEDA to correct the network name and then reinstall the definition.
If you need to replace a connection with a different network name, it must have the same connection name as the one you are replacing.
Destination: CSMT
Module: DFHBSS
XMEOUT Parameters: date, time, applid, cccc, netname, rrr

DFHZC6303 E date time applid Install for tttt failed. Duplicate netname netname found.
Explanation: A resource tttt was being installed but was found to have a duplicate network name netname.
This message occurs:
- If the duplicate NETNAME occurred in the same group as this definition, or
- If two CEDA transactions were run at the same time and the other CEDA transaction added a NETNAME between the BUILD and CONNECT routines of DFHBSTZV.
System Action: The resource is not installed; CICS continues.
User Response: If you want the definitions to be installed, use CEDA to correct the network name and then reinstall the definition.
Destination: CSMT
Module: DFHBSTZV
XMEOUT Parameters: date, time, applid, tttt, netname
DFHZC6304 W date time applid Deletion of remote terminal termid failed because it is in use by another transaction.

Explanation: CICS has issued a logoff transaction to the remote terminal termid but this terminal cannot be deleted because it is in use by another transaction.

System Action: The remote terminal can be reused. CICS continues.

User Response: This situation usually occurs because the remote CICS is under stress. Consider allocating more resources. For example, you might need to allocate more storage.

Destination: CSMT
Module: DFHBSS
XMEOUT Parameters: date, time, applid, termid

DFHZC6305 E date time applid Install for EXCI generic connection cccc failed. Duplicate EXCI generic connection rrr found.

Explanation: A connection cccc specifying protocol(exci) and connype(generic) was being installed but an existing EXCI generic connection rrr was found.

System Action: The resource is not installed. CICS continues.

User Response: There can be only one EXCI generic connection installed in a CICS system. Determine which EXCI generic connection definition is required and remove the duplicate definition.

If you need to replace the EXCI generic connection definition, it must have the same connection name as the one you are replacing.

Destination: CSMT
Module: DFHBSS
XMEOUT Parameters: date, time, applid, cccc, rrr

DFHZC6307 E date time applid Install for connection cccc failed. Netname netname is the same as the generic resource name.

Explanation: A connection cccc was being installed but the netname netname is the same as the generic resource name for this CICS (as defined in the SIT GRNAME parameter).

Communication within a SYSPLEX (intra-plex) must be done using member names.

System Action: The resource is not installed, CICS continues.

User Response: If this connection is for communication within a sysplex, use CEDA to change the NETNAME to the member name of the connection with which you wish to communicate.

If this is for communication between two sysplexes, change the NETNAME to the generic resource name of the partner sysplex.

Destination: CSMT
Module: DFHBSS

DFHZC6308 E date time applid Restore for connection cccc failed. Netname netname is the same as the generic resource name.

Explanation: During an emergency or warm restart CICS tried to restore connection cccc. However its netname netname is the same as the generic resource name for this CICS (as defined in the GRNAME system initialization parameter).

This is probably because the GRNAME specified in the SIT has been changed. It should only be changed at INITIAL start time.

System Action: Processing continues. The resource is not installed.

User Response: If this connection is for communication within a sysplex, use CEDA to change the NETNAME to the member name of the connection with which you wish to communicate.

If this is for communication between two sysplexes, change the NETNAME to the generic resource name of the partner sysplex.

If you need to change the GRNAME parameter, remember to do so only during an INITIAL start.

Destination: CSMT
Module: DFHBSS
XMEOUT Parameters: date, time, applid, cccc, netname

DFHZC6310 E date time applid Install for terminal termid failed. Console consname must be defined by ID not name.

Explanation: CICS has not installed the CONSOLE definition termid because the console consname is defined by name. The console must be defined by ID, as CICS is running under a release of MVS that does not support console names.

System Action: CICS continues without installing the terminal.

User Response: Use the CEDA transaction to define the console by ID and reinstall the terminal.

Destination: CSMT
Module: DFHBSTZO
XMEOUT Parameters: date, time, applid, termid, consname

DFHZC6311 E date time applid Install for terminal termid failed. Console ID conslid does not map to a console name known to MVS.

Explanation: CICS has not installed the CONSOLE definition termid because the console ID conslid does not map to a console name known to MVS.

System Action: CICS continues without installing the terminal.

User Response: Use the CEDA transaction to define a different console ID, or a console name, and reinstall the terminal.

Destination: CSMT
Module: DFHBSTZO
XMEOUT Parameters: date, time, applid, termid, conslid
**DFHZC6315** E date time applid User userid is not authorized to install terminal tttt with preset security.

**Explanation:** User userid was attempting to install terminal tttt but the userid does not have sufficient authority. This is because the terminal has preset authority (the definition for terminal tttt specifies a userid value.) Installing a resource with preset security requires special authorization.

**System Action:** Resource security violation messages are logged to the CSCS transient data queue and to the system console. The resource is not installed. CICS continues.

**User Response:** In order to install this resource, do one of the following:
- Use the CESN transaction to sign on with a userid that is permitted to install terminals with preset security.
- Ask your security administrator to authorize userid to install terminals with preset security. See the CICS System Definition Guide for guidance.
- Remove the USERID specification from the resource definition and install the resource without preset security.

**Destination:** CSMT  
**Module:** DFHBSTZ  
**XMEOUT Parameters:** date, time, applid, tttt

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**DFHZC6330** E date time applid Install for tttt failed. LDCLIST parameter ldclist not found.

**Explanation:** A resource tttt was being installed but was found to have an invalid LDCLIST ldclist.

**System Action:** The resource is not installed, CICS continues.

**User Response:** If you want the definition to be installed, use the DFHTCT TYPE=LDCLIST macro to define the listname.

**Destination:** CSMT  
**Module:** DFHBSTBL  
**XMEOUT Parameters:** date, time, applid, tttt, ldclist

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**DFHZC6331** E date time applid Install for connection tttt failed. Non-VTAM terminal with same name already exists.

**Explanation:** A connection tttt was being installed but a non-VTAM terminal with the same name already exists.

**System Action:** The resource is not installed; CICS continues.

**User Response:** Change the name of the connection and reinstall.

**Destination:** CSMT  
**Module:** DFHBSS  
**XMEOUT Parameters:** date, time, applid, tttt

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**DFHZC6332** E date time applid Install for terminal tttt failed. Non-VTAM terminal with same name already exists.

**Explanation:** A terminal tttt was being installed but a non-VTAM terminal with the same name already exists.

**System Action:** The resource is not installed; CICS continues.

**User Response:** Change the name of the terminal and reinstall.

**Destination:** CSMT  
**Module:** DFHBST  
**XMEOUT Parameters:** date, time, applid, termid, modname

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**DFHZC6333** E date time applid INSTALL for modname modname failed. Zero sessions specified

**Explanation:** CICS has not installed a mode group modname because the maximum number of sessions specified was 0. The CEDA SESSION MAXIMUM parameter cannot be set to 0, so this was possibly caused by a storage overwrite, or by an invalid builder parameter set being shipped into CICS.

**System Action:** The install fails, but CICS continues.

**User Response:** Find the offending builder parameter set and set ZC_MAXSESS_1 to a minimum value of 1.

**Destination:** CSMT  
**Module:** DFHSMS62  
**XMEOUT Parameters:** date, time, applid, modname

# APAR PQ32656

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**DFHZC6334** E date time applid Install for connection tttt failed. A session with the same name already exists.

**Explanation:** A connection tttt was being installed but a session with the same name already exists.

**System Action:** The resource is not installed; CICS continues.

**User Response:** Change the name of the connection and reinstall.

**Destination:** CSMT  
**Module:** DFHBSS  
**XMEOUT Parameters:** date, time, applid, tttt

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**DFHZC6340** E date time applid CICS has detected an error in delete processing for termid. Module name: modname.

**Explanation:** CICS has found terminal input output areas (TIOAs) chained to a TCTTE during deletion of a terminal. This is a CICS logic error.

**System Action:** A system dump is taken, the TCTTE is deleted and CICS continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

It would aid IBM support if you used the system dump to determine why TIOAs are still chained to the TCTTEs. The TIOAs are normally freemained before deletion.

Answers to the following questions would also be helpful:
- Is this a shipped TCTTE?
- Why is the TCTTE being deleted?
- Is the correct TCTTE being deleted?

**Destination:** CADL  
**Module:** DFHBST  
**XMEOUT Parameters:** date, time, applid, termid, modname
DFHZC6341 E date time applid Loop or ABEND has been detected in inmodule by module bymodule.

Explanation: CICS has previously detected a loop or abend. Module bymodule called module inmodule which looped or abended.

System Action: CICS issues message DFHZC0001 if an abend is detected or DFHZC0004 if a loop is detected. The install or delete being performed is backed out. CICS continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated message for more guidance.

Destination: CADI
Modules: DFHBSTM61 DFHBSTZS
XMEOUT Parameters: date, time, applid, inmodule, bymodule

DFHZC6350 I date time applid The type session name BITMAP was corrupt and has been rebuilt. Error code: AP FB05.

Explanation: A connection was being installed but the APPC or MRO session name BITMAP which is used to create a session name, was corrupt. The corrupt BITMAP has been rebuilt.

The APPC session name BITMAP is always used for an APPC session, however the MRO session name BITMAP is only used if the session name is prefixed with '<c' or '>'.

System Action: A dump is taken with dumpcode ZC6350. Trace point ID AP X"FB05" is produced. The install continues. CICS continues.

User Response: Use the dump provided to determine the cause of the storage overwrite. See the CICS Problem Determination Guide for guidance on dealing with storage problems.

Destination: CSMT
Module: DFHZGBM
XMEOUT Parameters: date, time, applid, type

DFHZC6360 W date time applid A GETMAIN failed to obtain storage for a message set.

Explanation: A ZCP install has failed. This would normally result in a message being issued. However, the GETMAIN attempting to obtain storage from the CDSA for use as a message area has failed. This means that there is no more free storage available in the CDSA.

System Action: The message which should have reported the ZCP install failure cannot be issued. Subsequent messages also cannot be issued while there is no free storage available in the CDSA. However, subsequent messages can be issued if storage becomes available on subsequent GETMAIN attempts.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use trace to determine the source of the problem. Trace point AP FCDD, the TBSM entry, gives the message number which should have been issued and the message insert data. Refer to the description of this message for further guidance.

DFHZC6361 E date time applid (Install | Signon) for (netname | console | terminal | portname with userid userid failed because the preset userid is invalid.

Explanation: The resource could not be installed or signed on with preset userid userid because the userid is not known to the external security manager (ESM).

System Action: CICS continues.

User Response: Correct the userid, or contact your security administrator to have the unknown userid added to your ESM. Then either reinstall the resource definition, or attempt to send a command to CICS via this console.

Destination: CSMT
Module: DFHBSTS
XMEOUT Parameters: date, time, applid, (1=Install, 2=Signon), (1=netname , 2=console , 3=terminal ), portname, userid

DFHZC6362 E date time applid (Install | Signon) for (netname | console | terminal | portname with userid userid failed because the preset userid has been revoked.

Explanation: The resource could not be installed or signed on with preset userid userid because the userid has been revoked by the external security manager (ESM).

System Action: CICS continues.

User Response: Contact your security administrator, who can reauthorize the revoked userid by issuing the ALTUSER RESUME function. Then reinstall the resource definition or try another command from the affected console.

Destination: CSMT
Module: DFHBSTS, DFHZCNA
XMEOUT Parameters: date, time, applid, (1=Install, 2=Signon), (1=netname , 2=console , 3=terminal ), portname, userid

DFHZC6363 E date time applid (Install | Signon) for (netname | console | terminal | portname with userid userid failed because the preset userid's group access has been revoked.

Explanation: The resource could not be installed or signed on with preset userid userid because the access of that userid to the group containing it has been revoked by the external security manager (ESM).

System Action: CICS continues.

User Response: Contact your security administrator who can restore the access of the preset userid to its group by issuing the CONNECT RESUME function. Then reinstall the resource definition or try another command from the console.

Destination: CSMT
Module: DFHBSTS, DFHZCNA
XMEOUT Parameters: date, time, applid, (1=Install, 2=Signon), (1=netname , 2=console , 3=terminal ), portname, userid
DFHZC6364 E date time applid {Install | Signon} for {netname / console / terminal} termid with userid userid failed because the external security manager returned an unrecognized response.

Explanation: The resource could not be installed or signed on with preset userid userid because of unexpected return codes from the external security manager (ESM).

System Action: CICS continues. Either message DFHSN1401 or DFHSN1801 is issued.

User Response: See the accompanying message for further guidance. Reinstall the resource definition or try another command from the console when you have corrected the problem.

Destination: CSMT

 Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: date, time, applid, {1=Install, 2=Signon}, {1=netname, 2=console, 3=terminal}, portname, userid

DFHZC6365 E date time applid {Install | Signon} for {netname / console / terminal} portname with userid userid failed because the external security manager is inactive.

Explanation: The resource could not be installed or signed on with preset userid userid because the external security manager (ESM) is no longer active.

System Action: CICS continues.

User Response: Contact your security administrator to restart the ESM. Reinstall the resource definition or try the command from a console again when the ESM is active again.

Destination: CSMT

 Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: date, time, applid, {1=Install, 2=Signon}, {1=netname, 2=console, 3=terminal}, portname, userid

DFHZC6366 E date time applid {Install | Signon} for {netname / console / terminal} portname with userid userid failed because the userid is not authorized to access this CICS system.

Explanation: The resource could not be installed or signed on with a preset userid because the preset userid is not authorized to use application applid.

System Action: CICS continues.

User Response: Contact your security administrator who can authorize the preset userid to access the application applid by issuing the PERMIT function for the APPL resource class. Then reinstall the resource definition or try the command again from the console.

Destination: CSMT

 Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: date, time, applid, {1=Install, 2=Signon}, {1=netname, 2=console, 3=terminal}, portname, userid

DFHZC6367 E date time applid {Install | Signon} for {netname / console / terminal} portname with userid userid failed because the SECLABEL check failed.

Explanation: The resource could not be installed or signed on with preset userid userid because the security label associated with the userid in the external security manager (ESM) does not have the necessary authority.

System Action: CICS continues.

User Response: Contact your security administrator to assign a new security label to the preset userid. Then reinstall the resource definition or try the command from the console again.

Destination: CSMT

 Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: date, time, applid, {1=Install, 2=Signon}, {1=netname, 2=console, 3=terminal}, portname, userid

DFHZC6368 E date time applid {Install | Signon} for {netname / console / terminal} portname with userid userid failed because the external security manager is quiesced.

Explanation: The resource could not be installed or signed on with preset userid userid because the external security manager (ESM) has been placed in a “tranquil” state and is not allowing new users to be added to the system.

System Action: CICS continues.

User Response: Contact your security administrator to establish when the ESM will be fully available again. When it is, reinstall the resource definition or try the command from the console again.

Destination: CSMT

 Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: date, time, applid, {1=Install, 2=Signon}, {1=netname, 2=console, 3=terminal}, portname, userid

DFHZC6369 E date time applid {Install | Signon} for {netname / console / terminal} portname failed because national language langcode is invalid.

Explanation: The resource could not be installed or signed on because the national language langcode specified in the resource definition is not recognized.

System Action: CICS continues.

User Response: Change the national language on the resource definition to a valid value and reinstall the resource definition.

Destination: CSMT

 Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: date, time, applid, {1=Install, 2=Signon}, {1=netname, 2=console, 3=terminal}, portname, langcode

DFHZC6370 E date time applid {Install | Signon} for {netname / console / terminal} portname failed because national language langcode is unavailable.

Explanation: The resource could not be installed or signed on because the national language langcode specified in the resource definition is not supported in this run of CICS.

System Action: CICS continues.

User Response: Change the national language in the resource definition to one that has been initialized. Then reinstall the resource definition.

Destination: CSMT
DFHZC6371 E date time applid (Install | Signon) for {netname | console | terminal }portname with userid userid failed because the userid is not authorized to use this portname.

Explanation: The resource could not be installed or signed on with preset userid because the specified userid is not authorized to use that resource.

System Action: CICS continues. Either message DFHSN1401 or DFHSN1801 is issued.

User Response: See the accompanying message for further guidance. Reinstall the resource definition or retry the command from the console when you have corrected the problem.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: date, time, applid, {1=Install, 2=Signon}, {1=netname , 2=console , 3=terminal }, portname, userid

DFHZC6380 E date time applid Install for connection cccc failed.

Netname netname is the same as the member name of a generic resource connection grcon which is already in use.

Explanation: A connection cccc was being installed but the netname netname is the same as the member name of a generic resource connection grcon which is already in use.

System Action: The resource is not installed. CICS continues.

User Response: If the NETNAME is incorrect, use CEDA to change it. Alternatively if you wish to communicate with the generic resource member by its member name, discard the generic resource connection after ending the VTAM affinity and try again.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: date, time, applid, cccc, netname, grcon

DFHZC6590 I date time applid termid tranid Node netname conversation restarted. sense ( (instance) Module name: (DFHZXRC))

Explanation: The node specified has been switched to this system following an XRF takeover.

For the meaning of the sense data, see the explanation on page 686.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZXRC

XMEOUT Parameters: date, time, applid, cccc, netname, grcon

DFHZC6591 E date time applid termid tranid Error processing XRF switch command. sense ( (instance) Module name: (DFHZXRC))

Explanation: The terminal has been switched to this CICS system following an XRF takeover, but an error was encountered processing the response data.

For the meaning of the sense data, see the explanation on page 686.

System Action: The state of the session at takeover is uncertain and the session is unbound in order to reset the states. The session is simlogged on, and proceeds as a normal emergency restart.

User Response: Proceed as for a normal emergency restart.

Destination: CSNE

Module: DFHZXRC

XMEOUT Parameters: date, time, applid, termid, tranid, netname, instance, {1=DFHZXRC, 2=DFHZXRC, 3=DFHZXRC, 4=DFHZXRC, 5=DFHZXRC, 6=DFHZXRC, 7=DFHZXRC, 8=DFHZXRC, 9=DFHZXRC, 10=DFHZXRC, 11=DFHZXRC}

DFHZC6593 I date time applid termid tranid Node netname backup session started. sense ( (instance) Module name: (DFHZOPX))

Explanation: Node netname has successfully issued an OPNDST OPTCD=BACKUP command to the connected LU.

For the meaning of the sense data, see the explanation on page 686.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZOPX

XMEOUT Parameters: date, time, applid, termid, tranid, netname, instance, {1=DFHZOPX, 2=DFHZOPX}

DFHZC6594 I date time applid termid tranid Node netname backup session reset - active session ended. sense ( (instance) Module name: (DFHZSCX))

Explanation: The backup system has received a "hierarchical reset" UNBIND on the backup session to the named terminal. This implies that the active session has ended normally.

For the meaning of the sense data, see the explanation on page 686.

System Action: CLSDST the backup session.

User Response: None.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: date, time, applid, termid, tranid, netname, instance, {1=DFHZSCX}
DFHZC6595 I date time applid termid tranid Node netname backup session not attempted. sense {((instance) Module name: (DFHZOPN))

Explanation: Before the OPNDST is issued, the backup system has abandoned the attempt to establish a backup session for one of the following reasons:

- There is no XRF support in VTAM (TCTVXRFS), or
- the TCTTE is flagged as a secondary. This CICS receives the BIND, but does not send it (TCTE2RY), or
- the TCTTE indicates that the LOGMODE keyword was specified on the terminal definition.

For the meaning of the sense data, see the explanation on page 686.

System Action: If this system takes over, the autoconnect process attempts to acquire a session. In this case, it probably takes longer for the session to become available for use.

User Response: Do not attempt a backup session.

Rectify error, or downgrade the recovery option specified for this terminal.

Destination: CSNE
Module: DFHZOPN
XMEOUT Parameters: date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZOPN}

DFHZC6596 applid CICS terminal control program cannot support XRF functions. sense {((instance) Module name: (DFHZSEX | DFHZSLS))

Explanation: The VTAM ACB has been opened, and the function level of the terminal control program (ZCP) and VTAM has been examined. It has been determined that XRF terminal functions cannot be supported in this execution of CICS.

This can be because one of the DFHZCx modules, or the TCT, was assembled against a version of VTAM earlier than 3.1, or because the level of VTAM that has just been opened is pre-3.1.

For the meaning of the sense data, see the explanation on page 686.

System Action: Processing continues. Processing continues, but no VTAM XRF functions can be supported.

User Response: If VTAM XRF functions are required, check the assembly of each of the DFHZCx modules and the TCT.

If a pre-3.1 release of VTAM was used in the assembly process, then a warning MNOTE will have been issued.

The relevant modules should then be reassembled against the correct level of VTAM.

If the assembly of all modules is correct, then the VTAM used in this execution is at a pre-3.1 level.

Destination: Console
Module: DFHZSEX,DFHZSLS
XMEOUT Parameters: applid, sense, instance, {1=DFHZSEX, 2=DFHZSLS}

DFHZC6598 applid VTAM Shutdown in XRF Alternate system. CICS will abend. sense {((instance) Module name: (DFHZTPX))

Explanation: The TPEND exit has been driven because VTAM has been shutdown. This is an XRF Alternate system and it cannot continue without VTAM.

For the meaning of the sense data, see the explanation on page 686.

System Action: The system is abnormally terminated.

User Response: Determine why and how VTAM was shutdown.

Destination: Console
Module: DFHZTPX
XMEOUT Parameters: applid, sense, instance, {1=DFHZTPX}

DFHZC6901 W date time applid Autoinstall BIND for NETNAME netname is invalid. Internal RC:X'response'.

Explanation: The bind passed for AUTOINSTALL of a resource has shown an error in the bind image check call. The fixed part of the BIND is printed (this is the part on which the validation code operates — see the SNA Network Protocol Formats for details of the BIND RU). The internal return code ‘X’sense’ identifies the location within the module that invalidated the BIND.

System Action: CICS continues but the session is not installed.

The request is rejected and message DFHZC2411 is issued. The terminal is not usable until a VTAM LOGOFF command is issued.

User Response: Investigate the fixed part of the BIND data to determine the reason for the rejection. The internal return code gives more information that can be used by IBM to help you to determine the cause of the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Destination: CADL
Module: DFHZATA
XMEOUT Parameters: date, time, applid, netname, X'response'

DFHZC6902 E date time applid Autoinstall failed because no (terminal / console) models are defined.

Explanation: An attempt was made to autoinstall either a VTAM device or a console; however, there are no appropriate autoinstall models defined.

System Action: CICS processing continues, but the autoinstall logon attempt is rejected.

User Response: Use CEDA to define autoinstall model(s). For further information, refer to the CICS Resource Definition Guide.

Destination: CADL
Modules: DFHZATA, DFHZATA2
XMEOUT Parameters: date, time, applid, {1=terminal, 2=console}

DFHZC6903 W date time applid Autoinstall for resource resid, (netname / consolename) id using model model failed.

Explanation: The connection or terminal or console build process failed. The reason is given in a following DFHZC59xx, DFHZC62xx or DFHZC63xx message referring to the same resid. These messages are followed by message DFHZC6942.

System Action: Processing continues.

User Response: Refer to following messages for further information.
For CMTS (remote mass delete), terminals which have not been deleted by CMTS might be deleted at a later stage.

For CFTS (remote mass flag), terminals which have been flagged for deletion might be deleted at a later stage. If any terminals have not been flagged, attempts might be made to reuse them. This can have unpredictable results.

**User Response:** See the description of abend *abend* for further guidance.

The most likely reason for this message is a timeout of CITS or CDTs. In the case of CITS, reissue your transaction if necessary. If the TIMEOUTs occur frequently, consider increasing the CITS or CDTs DTIMOUT values. If you do not want the transactions to time out, remove the DTIMOUT parameter from the CITS or CDTs DEFINE TRANSACTION command. However, a large number of CITS tasks running at the same time with no purgeable tasks present could cause a deadlock if the system is also short on storage.

Note that CFTS and CMTS do not have a DTIMOUT parameter and should not be given one because they only run once after a warm or emergency restart and should not be allowed to time out.

**Destination:** DFHZATS

**Module:** DFHZATS

**XMEOUT Parameters:** date, time, applid, termid, tranid, abend

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**DFHZC6905**

**date time applid Autoinstall delete for resource**

resid, (netname | consolename) id failed. CATA task abended (abend abend).

**Explanation:** Transaction CATD was autoinstalling a resource resid when the task abended with abend.

**System Action:** CICS continues. If the resource still exists, it is reused next time the same TERMID or SYSID is used.

**User Response:** See the description of abend *abend* for further guidance.

If the abend indicates a TIMEOUT and this occurs frequently, increase the CATD DTIMOUT value. If you do not want the CATD transaction to time out, remove the DTIMOUT parameter from the CATD DEFINE TRANSACTION command. However, a large number of CATD tasks running at the same time with no purgeable tasks present could cause a deadlock if the system is also short on storage.

**Destination:** CADL

**Module:** DFHZATS

**XMEOUT Parameters:** date, time, applid, resid, (1=netname, 2=consolename), id, abend

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**DFHZC6906**

**date time applid Install or delete of remote terminal**

termid failed. tranid task abended (abend abend).

**Explanation:** One of the functions of DFHZATS (transaction CITS, CDTS, CMTS or CFTS) has abended with abend.

**System Action:** CICS continues.

For CITS (remote install), if the remote terminal (skeleton) was actually built, CICS might use it.

For CDTS (remote delete), If the remote terminal (skeleton) has not been deleted, it might be reused.

For CMTS (remote mass delete), terminals which have not been deleted by CMTS might be deleted at a later stage.

For CFTS (remote mass flag), terminals which have been flagged for deletion might be deleted at a later stage. If any terminals have not been flagged, attempts might be made to reuse them. This can have unpredictable results.

**User Response:** See the description of abend *abend* for further guidance.

The most likely reason for this message is a timeout of CITS or CDTs. In the case of CITS, reissue your transaction if necessary. If the TIMEOUTs occur frequently, consider increasing the CITS or CDTs DTIMOUT values. If you do not want the transactions to time out, remove the DTIMOUT parameter from the CITS or CDTs DEFINE TRANSACTION command. However, a large number of CITS tasks running at the same time with no purgeable tasks present could cause a deadlock if the system is also short on storage.

Note that CFTS and CMTS do not have a DTIMOUT parameter and should not be given one because they only run once after a warm or emergency restart and should not be allowed to time out.

**Destination:** DFHZATS

**Module:** DFHZATS

**XMEOUT Parameters:** date, time, applid, termid, tranid, abend

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**DFHZC6911**

**date time applid Delete for remote terminal**

termid failed.

**Explanation:** A DELETE for remote terminal *termid* has failed. Possible causes are that the terminal has already been deleted or that it is in use by another task.

If this message is repeated a number of times, there could be a more serious problem.

**System Action:** If the message is associated with message DFHZC6912, CICS continues normally. If message DFHZC6912 is not issued, DFHZATS is abnormally terminated with a transaction dump.

**User Response:** If the message is associated with message DFHZC6912, no action is necessary. If DFHZC6912 is not issued, see the associated DFHZC59xx, DFHZC62xx and DFHZC63xx messages for the reason for the DELETE failure.

**Destination:** DFHZATS

**Module:** DFHZATS

**XMEOUT Parameters:** date, time, applid, termid
DFHZE6912 I date time applid Unable to delete remote terminal.

Explanation: This message is issued during a mass delete of remote terminals following a warm or emergency restart. A terminal which had been flagged for deletion could not be deleted. The most likely explanation is that the terminal has already been deleted by another task.

An associated DFHZE6911 message gives the identity of the terminal. This might be associated with one or more DFHZE69xx and DFHZE62xx messages giving the reason for the failure.

System Action: Processing continues normally.

User Response: See the associated messages for further information.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: date, time, applid

DFHZE6913 I date time applid Remote delete of terminal termid failed. Terminal not found.

Explanation: A remote DELETE has been attempted for a terminal which has already been deleted by another task.

System Action: Processing continues normally.

User Response: None.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: date, time, applid, termid

DFHZE6914 E date time applid Autoinstall for resource termid, (netname | consolename) id failed. Bad Return Code (RC = X'retcode') from an internal function call.

Explanation: The TCTTE build process failed due to the failure of an internal function call.

System Action: The terminal autoinstall process fails. CICS processing continues.

User Response: Retry the logon attempt.

Destination: CADL

Module: DFHZATS, DFHZATA2

XMEOUT Parameters: date, time, applid, termid, \{1=netname, 2=consolename\}, id, X'retcode'

DFHZE6915 E date time applid Unable to sign off remote terminal termid. Bad Return Code (RC = X'SNUS_RESPONSE') from signon domain call.

Explanation: An unexpected response (INVALID, DISASTER or EXCEPTION) has been received on a call by DFHZATS to function SIGNOFF_TERMINAL_USER during sign-off processing for a remote terminal session running under CRTE.

System Action: The terminal sign-off process fails to complete and the terminal user remains signed on. CICS processing continues.

User Response: See the related message produced by the domain that detected the original error.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: date, time, applid, termid, X'SNUS_RESPONSE'

DFHZE6920 E date time applid APPC autoinstall for NETNAME netname failed. RC x

Explanation: An autoinstall attempt to install APPC NETNAME netname has failed. The autoinstall program call to the autoinstall control program failed with return code x.

The return codes are mapped from the program manager LINK.URM response and reason. More precise reasons for failure can be obtained from trace point PG 0A02.

System Action: CICS continues.

User Response: The appropriate response depends on the return code as follows:

1. The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
2. The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.
3. The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
4. The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.
5. Loading of the user exit program failed for some other reason. Check the DFHPGGLU exit trace entry (PG 0A02) to see why the program manager was unable to load the program.

Destination: CADL

Module: DFHZGAI

XMEOUT Parameters: date, time, applid, netname, x

DFHZE6921 W date time applid Autoinstall for NETNAME netname has been disallowed by the autoinstall control program. Code X'code'

Explanation: An APPC connection not known to CICS has attempted to connect to CICS. However, the autoinstall control program has given a nonzero return code indicating that the install cannot go ahead.

If you do not support APPC autoinstall, the autoinstall control program (DFHZATDX is the default name) automatically returns a nonzero return code to disallow this function.

System Action: The exception trace entry code shows the parameter list for the autoinstall control program. The session is terminated. CICS continues.

User Response: The failure code X'code' is as follows:

X'FA07' If APPC autoinstall is not supported, use the netname to determine which device is attempting autoinstall.

If APPC autoinstall is supported, examine the autoinstall control program to determine why it has not set the return code to allow the install.

Destination: CADL

Module: DFHZGAI

XMEOUT Parameters: date, time, applid, netname, X'code'
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**DFHZC6922** E date time applid Parameter list error during autoinstall for NETNAME netname. Code X'code'

**Explanation:** An APPC connection not known to CICS has attempted to connect to CICS. However, the autoinstall control program has returned an invalid parameter, or a parameter that has led to an invalid template being used.

**System Action:** The exception trace entry code shows the parameter list for the autoinstall control program. The session is terminated. CICS continues.

**User Response:** The failure code X'code' is one of the following:

- X'FA08' No netname or sysid was supplied for the template. Change the autoinstall control program to supply either the netname or the sysid.
- X'FA09' The sysid for the new connection has invalid characters. It can only contain A-Z a-z 0-9 and £#@ (where £ is X'5B') Redefine the connection name in the autoinstall control program.
- X'FA0A' The sysid for the new connection already exists. Change the autoinstall control program to supply a unique name.
- X'FA0B' CICS is unable to locate the supplied template netname. Change the autoinstall control program to supply the correct template name, or use CEDA to install the template connection.
- X'FA0C' CICS is unable to locate the supplied template sysid. Change the autoinstall control program to supply the correct template sysid or use CEDA to install the template connection.
- X'FA0D' The template is not an APPC connection. Change the autoinstall control program to supply the correct template name, or use CEDA to reinstall the template correctly.
- X'FA0E' The bind indicates that a parallel session connection is required. The template is a single session connection. Change the autoinstall control program to supply the correct template name, or use CEDA to reinstall the template correctly.
- X'FA0F' The bind indicates that a single session connection is required. The template is a parallel session connection. Change the autoinstall control program to supply the correct template name or use CEDA to reinstall the template correctly.
- X'FA10' The modename in the bind does not match the modename in the connection. For parallel sessions, the SNASVCMG modegroup is missing. The install for the template may have failed - check for any CADL messages mentioning the template name. The template connection may have been corrupted. Try and re-install the template.
- X'FA11' The program that attempted to INQUIRE on the template has detected an error in the template and is unable to create a BPS with which to install the new connection. This problem may be caused by a failure in the initial install of the template. Check the console and CADL log to determine whether the template installed correctly. Also use CEMT to ensure that the CONNECTION is correct.
- X'FA12' The program that attempted to INQUIRE on a user modegroup for the named template has detected an error in the template and is unable to create a BPS with which to install a user modegroup. This problem may be caused by a failure in the initial install of the template. Check the console and CADL log to determine whether the template installed correctly. Also use CEMT to ensure that the MODEGROUP is correct.
- X'FA13' The template connection has no user modegroup. This problem may be caused by a failure in the initial install of the template. Check the console and the CADL log to determine whether the template installed correctly. Also, use CEMT to ensure that the MODEGROUP is correct.
- X'FA14' The template connection is out of service so this install cannot continue. If the install should have been allowed to continue, put the relevant template connection INSERVICE using CEMT.
- X'FA15' The incoming bind user data does not have a PLUNAME Network Name subfield (id 04). This is required and should have been supplied by the PLU.
- X'FA16' The incoming bind user data does not have a MODENAME Network Name subfield (id 02). This is required and should have been supplied by the PLU.

**Destination:** CADL

**Module:** DFHZGAI

**XMEOUT Parameters:** date, time, applid, netname, X'code'

**DFHZC6923** E date time applid Unacceptable bind parameter during autoinstall for NETNAME netname. Code X'code'

**Explanation:** CICS has received a BIND from an unknown APPC node. The autoinstall process was initiated, but an invalid bind parameter has been detected. The parameter in error is indicated by the failure code X'code' which is one of the following:

- X'FA18' There was no session instance ID field in the bind user data.
- X'FA19' There was no primary logical unit (PLU) name in the bind user data.
- X'FA1A' The PLU name in the bind user data is the same as the LU name of this CICS.
- X'FA1B' Security information (an encryption seed) was expected, but not present, in the bind user data.
- X'FA1C' Security information (an encryption seed) was found in the bind user data but its length was too high for it to be valid.
- X'FA1D' Security information (an encryption seed) was found in the bind user data when none was expected.
- X'FA1E' The received bind indicated that it was not negotiable. This is not acceptable for an APPC connection.
- X'FA1F' The received bind specified a primary RU size of zero.
- X'FA20' The received bind specified a secondary RU size of zero.
- X'FA21' The received bind contained inconsistent access security indicators.
- X'FA22' Two security information fields (seed and nonce field) were found in the received BIND where only one was expected.
X'FA23' The received BIND contained a nonce field with an incorrect length.

X'FA24' The received BIND did not contain a nonce field.

X'FA25' The received BINDs security mechanisms field length was smaller than the minimum defined by the Architecture.

X'FA26' The received BINDs security mechanisms field contained an invalid length for the mechanism identifier field.

**System Action:** The exception trace entry with trace point ID 'AP xxxx' (where xxxx is X 'code') shows the bind that was received. The session is terminated. CICS continues.

**User Response:** Change the definitions on the connecting LU so that the bind parameters are acceptable to CICS.

**Destination:** CADL

**Module:** DFHZGAI

**XMEOUT Parameters:** date, time, applid, netname, X'code'

---

DFHZC6935 I date time applid Autoinstall for retype resid with
       {netname l consolename} id using model or template
       model successful.

**Explanation:** CICS has successfully installed resource retype
       resid, with id id, using model or template model. The retype can
       be TERMINAL or CONNECTION or CONSOLE depending on
       whether a terminal, an APPC connection, or a console has just
       been autoinstalled.

**System Action:** CICS continues.

**User Response:** None.

**Destination:** CADL

**Module:** DFHZATA, DFHZATA2

**XMEOUT Parameters:** date, time, applid, retype, resid,
       {1=netname, 2=consolename}, id, model

---

DFHZC6936 I date time applid Autoinstall for NETNAME netname,
       model modelname in MTS control vector not known
       to CICS.

**Explanation:** The VTAM MTS control vector contained a model
       name modelname not defined to CICS.

**System Action:** CICS continues. This message is informational.

**User Response:** There are four possible ways of correcting this
       problem:

       - Use the CEDA transaction to define and install the autoinstall
         model
       - Change the VTAM MTS MDLTAB MODEL= entry to the name of an
         existing autoinstall model.
       - Logon to CICS with a MODEL= parameter that defines an
         existing autoinstall model.
       - Code an Autoinstall User Program. Examples are given in the
         Customization Guide in the Sample Programs and Copybooks
         section.

---

DFHZC6937 I date time applid Autoinstall for NETNAME netname,
       MTS model modelname and bind image mismatch.

**Explanation:** An autoinstall attempt occurred using the
       modelname printed. The MODEL BIND (from the CICS model
       definition) did not match with the incoming bind in CINIT. The
       MISMATCH_BITS show which bind bits did not match.

**System Action:** CICS continues.

**User Response:** There are four possible ways of correcting this
       problem:

       - Change the CICS autoinstall MODEL modelname to produce a
         bind that matches the incoming CINIT.
       - Change the MTS MDLTAB MODEL= entry to a model name
         defined to CICS whose bind matches the CINIT defined in the
         LOGMODE for this terminal.
       - Change the VTAM LOGMODE for this terminal to match the
         chosen CICS MODEL BIND.
       - Code an autoinstall user program. Examples are given in the
         Sample Programs and Copybooks section of the CICS
         Customization Guide.

**Destination:** CADL

**Module:** DFHZATA

**XMEOUT Parameters:** date, time, applid, netname, modelname

---

DFHZC6939 W date time applid Autoinstall for NETNAME
       netname, Invalid length nn found in cinit control
       vector at offset offset

**Explanation:** CICS verification checks on the format of the control
       vectors in the CINIT have failed.

**System Action:** CICS continues. The logon request is rejected.

**User Response:** Inspect the format of the CINIT RU as captured
       by the autoinstall program for all rejected logon requests. The first
       point of failure may be at offset or before it since CICS verification
       checks are permissive.

**Destination:** CADL

**Module:** DFHZATA

**XMEOUT Parameters:** date, time, applid, netname, nn, offset

---

784 CICS Messages and Codes
DFHZC6942 W date time applid Autoinstall for resource resid failed.

Explanation: An AUTOINSTALL attempt to install resource resid has failed.

System Action: CICS continues.

User Response: For the cause of the failure, look for a previous message containing the same resid.

Destination: CICS

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: date, time, applid, resource, resid

DFHZC6943 W date time applid Autoinstall delete for resource resid, {netname | consolename} id failed.

Explanation: An AUTOINSTALL attempt to delete resource resid has failed.

System Action: CICS continues.

User Response: For the cause of the failure, look for a previous message containing the same resid.

Destination: CADL

Module: DFHZATD

XMEOUT Parameters: date, time, applid, resource, resid, {1=netname, 2=consolename}, id

DFHZC6944 W date time applid Autoinstall for {netname | consolename} id failed. RC x

Explanation: An autoinstall attempt to install terminal id has failed. The autoinstall program call to the user exit program failed with return code x. The id is either a netname or a consolename.

System Action: CICS continues.

User Response: Possible causes of the problem and an indication of how to solve them are given in the following list of return code meanings:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Meaning and solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.</td>
</tr>
<tr>
<td>2</td>
<td>The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.</td>
</tr>
<tr>
<td>3</td>
<td>The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.</td>
</tr>
<tr>
<td>4</td>
<td>The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.</td>
</tr>
</tbody>
</table>

Destination: CADL

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: date, time, applid, {1=netname, 2=consolename}, id, x

DFHZC6945 W date time applid Autoinstall delete for {netname | consolename} id failed. RC x

Explanation: An autoinstall attempt to install resource id has failed. The issuing module, either DFHZATA or DFHZATA2, called the user exit program for DELETE but the user exit failed for reasons given in return code x. If the resource being installed was a terminal, the issuing module was DFHZATA. Otherwise, if a console was being installed, DFHZATA2 was the issuing module.

System Action: CICS continues.

User Response: Possible causes of the problem and an indication of how to solve them are given in the following list of return code meanings:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Meaning and solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.</td>
</tr>
<tr>
<td>2</td>
<td>The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.</td>
</tr>
<tr>
<td>3</td>
<td>The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.</td>
</tr>
<tr>
<td>4</td>
<td>The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.</td>
</tr>
</tbody>
</table>

Destination: CADL

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: date, time, applid, {1=netname, 2=consolename}, id, x

DFHZC6946 W date time applid Delete user exit for autoinstalled resource resid, {netname | consolename} id failed. RC x.

Explanation: CICS has deleted the autoinstalled resource resid. The call to the delete user exit program failed for reasons given in return code x.

System Action: CICS continues.

User Response: Possible causes of the problem and an indication of how to solve them are given in the following list of return code meanings:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Meaning and solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.</td>
</tr>
<tr>
<td>2</td>
<td>The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.</td>
</tr>
<tr>
<td>3</td>
<td>The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.</td>
</tr>
<tr>
<td>4</td>
<td>The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.</td>
</tr>
</tbody>
</table>

Destination: CADL

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: date, time, applid, {1=netname, 2=consolename}, id, x

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**DFHZC6948 W**

**Explanation:**
CICS was attempting to delete an autoinstalled APPC connection `sysid` but the attempt failed because CICS was unable to initiate the CATD transaction. The specific circumstances depend on the module:

- **DFHZATR**: After a CICS restart transaction, DFHZATR was driven to delete autoinstalled connections but CATD failed to initiate.
- **DFHZCLS**: Connection `sysid` was released and DFHZCLS was attempting to initiate the CATD transaction to delete the connection but CATD failed to initiate.
- **DFHZGCH**: An attempt was made to delete `sysid` after a successful `CHANGED ENDAFFIN` request however CATD failed to initiate.

**System Action:** The connection is left in a released state. CICS continues.

**User Response:**
Ensure that the definitions for transaction CATD and program DFHZATD are correct. If you still wish to delete this connection, use CEMT DISCARD CONNECTION or EXEC CICS DISCARD CONNECTION.

---

**DFHZC6950 W**

**Explanation:**
An autoinstall attempt to install terminal `termid` has failed. The autoinstall program call to the user exit program failed with return code `x`.

**System Action:** CICS continues.

**User Response:**
Possible causes of the problem and an indication of how to solve them are as follows:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Meaning and solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The user exit program is not linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.</td>
</tr>
<tr>
<td>2</td>
<td>The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.</td>
</tr>
<tr>
<td>3</td>
<td>The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.</td>
</tr>
<tr>
<td>4</td>
<td>The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.</td>
</tr>
</tbody>
</table>

---

**DFHZC6958 W**

**Explanation:**
The `RESOURCE`, `PRINTER`, or `ALTPRINTER` ID supplied by the AUTOINSTALL exit program is invalid. The return code `n` can be one of the following:

<table>
<thead>
<tr>
<th>n</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Invalid blank in column one</td>
</tr>
<tr>
<td>2</td>
<td>Invalid imbedded blank</td>
</tr>
<tr>
<td>3</td>
<td>Invalid character used.</td>
</tr>
</tbody>
</table>

**System Action:** CICS continues but does not install the object.

**User Response:**
Change the AUTOINSTALL exit program to create IDs that contain only valid characters.

---

**APAR PQ28549**

These are specified in the CICS Resource Definition Guide.
Chapter 1. DFH messages

DFHZC6966 I date time applid Autoinstall delete for restype resid with {netname | consolename} id was successful.

Explanation: CICS has successfully deleted the autoinstalled resource restype resid. The restype can be a terminal, an APPC connection, or a console.

System Action: CICS continues.
User Response: None.

Destination: CADL
Module: DFHZATD
XMEOUT Parameters: date, time, applid, restype, resid, {1=netname, 2=consolename}, id

---

DFHZC6987 W date time applid Autoinstall best failure for NETNAME netname was model model.

Explanation: An autoinstall attempt has failed for lack of an exact match.

netname is the netname of the LU which failed to logon,
model is the name of the model that gave the best failure (that is, the one that had the fewest bits different from the BIND image supplied by VTAM).

The following associated information is also written to CADL:

xxxxxx... is a string of hexadecimal digits, where xx represents one byte, and each byte position represents the corresponding byte position in the BIND image.
CINIT BIND: xxxxxxxx is the bind image supplied by VTAM.
MODEL BIND: xxxxxxxx is the best model.
MISMATCH BITS: xxxxxxxx represents a comparison of the relevant bits from above. A bit set to ‘1’ indicates a mismatch in that position between the BIND image from VTAM and the BIND image associated with the model.

System Action: CICS continues.
User Response:
1. Determine whether the model model is suitable. If there are several models which have options, such as TRANSECKEYS, then only the first such model is named in the above message. It will be up to the user-program to make the choice, when the logmode table entry is corrected.
2. Identify the entry in the VTAM logmode table that is being used.
3. Check that this logmode table entry is not successfully in use with other applications, so that to change it might cause this other use of it to fail.
4. Amend the logmode table entry by switching the bits corresponding to ‘1’ bits in the mismatch string. That is, if the bit in the VTAM bind image corresponding to the bit position set to ‘1’ in xxxxxxxx... is ‘1’, set it to ‘0’. If it is ‘0’, set it to ‘1’.

For further information, refer to the CICS Customization Guide.

More on the meaning of the various bits in a bind image may be found in ACF/VTAM Programming manual, (SC27-0611).
Details of the preparation of VTAM logmode table entries are given in ACF/VTAM Customization manual, (SC27-0613).

Destination: CADL
Module: DFHZATA
XMEOUT Parameters: date, time, applid, netname, model

---

DFHZExxxx messages

DFHZE2600 Syst.sense sysstense,termid,taskid, Unidentified sense information

Explanation: The error message writer (DFHEMW) was scheduled to send an error message, but could not identify the system sense code.

System Action: The task is abnormally terminated.
User Response: Refer to the associated messages that were issued previously for further information and guidance.

Destination: Terminal End User
Module: DFHZEMMW

DFHZE2604 Syst.sense 0811,termid,taskid, Unprocessed data at detach

Explanation: The task to be detached did not completely process the inbound data chain.

System Action: Purging of data is done until end-of-chain (EOC) or CANCEL has been received.
User Response: None.
Destination: Terminal End User
Module: DFHZDET

---

DFHZNxxxx messages

DFHZN2130 date time applid A unit of work has been shunted but the connection with the remote system does not support the shunt protocols. Resources on the remote system may be out of sync with those on this CICS after the UOW is resynchronized. Failure date mm/dd/yy failure time hh:mm:ss remote system termid task number trannum user userid network UOW termid,taskid,taskid, Unidentified sense information

Explanation: This message is preceded by message DFHAC2231. An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction tranid has lost contact with its coordinator system during the indoubt period.

System Action: In accordance with the transaction definition, the unit of work is not completed. It is allowed to wait for resynchronization with the coordinator system. The transaction is abnormally terminated with abend code ASP1. The unit of work is shunted to await the return of the coordinator system.

As part of this processing, CICS has attempted to pass on the shunt request to another partner system. However, this partner does not support the shunting protocols, and so this partner may backout or commit changes to its resources independently of this shunted unit of work.

User Response: Following resynchronization with the coordinator system, determine whether the remote function shipped resources are out of synchronization. The action to take depends on local procedures and the design of the application program. For
example, it may be possible to rerun the application but only making updates to remote resources. Refer to the CICS Intercommunication Guide for information on design considerations in a distributed environment.

**Destination:** CSMT  
**Module:** DFHC2R2U  
**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, netname, tranid, trannum, termid, userid, netuowid, X'localuowid'

**DFHZN2131** date time applid Intersystem session failure during CICS synclevel one commit. Local resources may be out of sync with those on the remote system.  
**Failure date mm/dd/yy failure time hh:mm:ss remote system netname transaction tranid task number trannum operator terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation:** A CICS application has been using APPC synclevel 1 to process remote function shipped resources. The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, a session failure occurred at a critical time during the synclevel 1 commit processing, and the synclevel 1 function shipped resources may have committed successfully or may have backed out.

**System Action:** CICS synclevel 1 commit processing continues, with the intention of committing as many synclevel 1 resources as possible. For APPC synclevel 1, CICS does not attempt to resolve the situation any further.

On completion of the syncpoint, CICS abends the user task.

**User Response:** Determine whether the remote function shipped resources are out of synchronization. The action to take depends on local procedures and the design of the application program. For example, it may be possible to rerun the application but only making updates to remote resources. Refer to the CICS Intercommunication Guide for information on design considerations in a distributed environment.

**Destination:** CSMT  
**Module:** DFHC2R2U  
**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, netname, tranid, trannum, termid, userid, netuowid, X'localuowid'

**DFHZN2132** date time applid Rollback received in response to CICS synclevel one commit. Local resources are out of sync with those on the remote system.  
**Failure date mm/dd/yy failure time hh:mm:ss remote system netname transaction tranid task number trannum operator terminal termid user userid network UOW netuowid local UOW X'localuowid'.

**Explanation:** A CICS application has been using APPC synclevel 1 to process remote function shipped resources. The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, when a commit message was sent to a synclevel 1 function shipped resource, the reply indicated that an error has occurred. The reason code provides details of the error and has the following values:

- **01** Protocol violation by partner system – unexpected syncpoint
- **02** Protocol violation by partner system – unexpected FMH data
- **03** Abend received
- **04** Deadlock or read timeout.

**System Action:** CICS synclevel 1 commit processing continues, with the intention of committing as many synclevel 1 resources as possible.

For reason code 01, a transaction dump with dump code ASPI is taken. For reason code 02, a transaction dump with dump code ASPJ is taken. On completion of the syncpoint, CICS abends the user task.

**User Response:** The action to take depends on local procedures. For reason codes 01 and 02, examine the dump to determine what message data was received from the partner. This information is held in one of the terminal input/output areas. A failure in the communication system might have caused corruption of the data.

Reason code 03 indicates that the partner system has sent an abend. There is an error in the partner system which may need to be investigated.

Reason code 04 indicates that the partner system took too long to respond to the synclevel 1 commit. There could be a problem with the remote system, or the communication system. It may be necessary to increase the deadlock timeout or read timeout values to prevent this recurring.

**Destination:** CSMT  
**Module:** DFHC2R2U  
**XMEOUT Parameters:** date, time, applid, rc, mm/dd/yy, hh:mm:ss, sysid, tranid, trannum, termid, userid, netuowid, X'localuowid'

On completion of the syncpoint, CICS abends the user task.

**User Response:** The action to take depends on local procedures and the design of the application program. For example, it may be possible to rerun the application but only making updates to remote resources. Refer to the CICS Intercommunication Guide for information on design considerations in a distributed environment.

**Destination:** CSMT  
**Module:** DFHC2R2U  
**XMEOUT Parameters:** date, time, applid, mm/dd/yy, hh:mm:ss, netname, tranid, trannum, termid, userid, netuowid, X'localuowid'
DFHZN2701  date time applid Log data sent on ISC session is
xxxxxxxx

Explanation: This is an informational message. The transaction
is communicating with a logical unit type LU6.2. It has sent an
FMH (function management header) which carries log data.

System Action: The transaction continues processing.

User Response: None.

Destination: CSNE

Module: DFHZERH
XMEOUT Parameters: date, time, applid, xxxxxxxx
Chapter 2. AXM server environment messages

The following messages are issued by the authorized cross-memory (AXM) server environment, which is a package of run-time services used by the Named counter sequence number server, CICS coupling facility (CF) data tables and the CICS shared temporary storage (TS) queue pool server. See the CICS System Definition Guide for more information about AXM and the CICS TS queue pool server.

Notes:
1. AXM messages are not issued by a CICS region and hence do not use the CICS message domain. They cannot be viewed with the CMAC transaction, suppressed with the XMEOUT user exit, or changed with the message editing utility.
2. These messages are normally displayed in mixed case English. If your terminals cannot display lowercase English characters, see the CICS Customization Guide for guidance on converting the messages to uppercase.

AXM error recovery messages

AXMER0001 ABEND xxx-rr occurred at address, data word1 word2 word3.

Explanation: The AXM error recovery routine has intercepted an abend in a task running under an AXM server region TCB. The abend code is shown as three hexadecimal digits for a system completion code or four decimal digits for a user completion code. The data consists of the twelve bytes around the PSW address as provided by MVS in the SDWA.

System Action: The error recovery routine will first call AXMWH which attempts to identify the module and procedure in which the abend occurred and writes out a further message if successful. After this, if recovery is allowed, the error recovery routine terminates the affected AXM internal task and resumes normal processing, otherwise it percolates the error, causing the server region to be abnormally terminated.

The system will normally produce a symptom dump message on the log, and a full dump may be produced if an appropriate DD statement (SYSUDUMP, SYSDUMP or SYSABEND) is present in the server region JCL.

User Response: Look up the completion code to identify the cause of the abend.

Destination: Console and print file
Module: AXMER

AXMER0002 TRAP occurred at offset offset in procname.

Explanation: An internal logic error in a server resulted in a TRAP macro being executed at the specified location. The system will normally produce a symptom dump message on the log, and a full dump may be produced if an appropriate DD statement (SYSUDUMP, SYSDUMP or SYSABEND) is present in the server region JCL.

System Action: The AXM task is abnormally terminated.

User Response: This probably indicates a logic error in server code, or an attempt to use some internal component of the server outside its correct context. If the procedure name in the message begins with AXM, this probably indicates that the server code which called it has passed inconsistent parameters, such as an invalid address when releasing main storage.

Destination: Console and print file
Module: AXMER

AXM event management messages

AXMEV0001 AXM only supports operating system WAIT on MVS.

Explanation: An attempt has been made to issue an operating system WAIT within an AXM server, but the server is not running on MVS. In this case, the MVS POST exit mechanism used by AXM is unavailable and operating system waits cannot be supported.

System Action: The program is abnormally terminated.
User Response: None.
Destination: Console
Module: AXMEV

AXMEV0003 The AXM POST exit could not be created because AXM system services are not available.

Explanation: AXM server region initialization needed to define the MVS POST exit used by AXM for operating system waits, but AXM system services were not available within the current MVS image.

System Action: The server region is terminated with return code 8.
User Response: Start up AXM system services first then restart the server region. AXM system services are normally started at IPL using a subsystem definition in IEASSNxx specifying AXM as the subsystem name and AXMSI as the initialization routine. They can also be started up without an IPL by defining the subsystem dynamically using the SETSSI command.

Destination: Console and print file
Module: AXMEV

AXMEV0004 The AXM POST exit could not be created, return code was rc.

Explanation: The MVS POST exit used by AXM for operating system waits could not be created because the AXM system services routine gave a non-zero return code. The only known reason for this is that AXM system services have been withdrawn, which should not be possible in a production environment.

System Action: The server region is terminated with return code 8.
User Response: None.
Destination: Console and print file
Module: AXMEV
**AXMEV0005I** The AXM POST exit had already been created for this address space.

**Explanation:** During server initialization, AXM system services found that the MVS POST exit used by AXM for operating system waits had already been created for this address space. AXM therefore bypassed trying to create the same POST exit again as this would have resulted in an abend 702-04.

This can occur when a previous server execution in the same address space was terminated abnormally.

**System Action:** Processing continues

**User Response:** None.

**Destination:** Console and print file

**Module:** AXMEV

**AXMEV0006I** The AXM POST exit could not be deleted, return code was rc.

**Explanation:** The MVS POST exit used by AXM for operating system waits could not be deleted because the AXM system services routine gave a non-zero return code. The only known reason for this is that AXM system services have been withdrawn, which should not be possible in a production environment.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** Console.

**Module:** AXMEV

---

### AXM operating system interface messages

**AXMOS0001I** The main procedure entry point is name at address address.

**Explanation:** This message is written to the print file during AXM initialization to indicate the name and entry point address of the server main procedure. This is primarily for debugging purposes.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** Print file

**Module:** AXMOS

**AXMOS0002** The main procedure is missing, or the END statement does not name the entry point.

**Explanation:** The AXM server load module which is being executed does not contain a procedure which has been identified as the AXM main procedure.

**System Action:** The server region is terminated with return code 16.

**User Response:** Check that the main procedure was correctly included in the link edit. If it was, make sure that its entry point name was correctly specified on the END statement and that it was assembled using AXM macros with the macro AXMSET appearing before the MODULE statement and the option ENVIRON=AXM specified on the MODULE statement.

**Destination:** Console and SYSPRINT

**Module:** AXMOS

---

**AXMLK0001** Lock at address is already owned for shared use by this task.

**Explanation:** An AXM server program attempted to acquire exclusive ownership of an AXM lock which was already in shared ownership for the current task. This is not allowed, as the task cannot wait for itself.

**System Action:** The AXM lock request is rejected.

**User Response:** The server programmer needs to modify the program logic. It could for example use an AXM lock PROMOTE to convert the shared lock to an exclusive lock.

**Destination:** Console and print file

**Module:** AXMLK

**AXMLK0002** function failed because lock at address is not owned by this task.

**Explanation:** An AXM server program tried to release, demote or promote an AXM lock but the lock was not owned by the current AXM task.

**System Action:** The AXM lock request is rejected.

**User Response:** The server program logic is in error.

**Destination:** Console and print file

**Module:** AXMLK

---

### AXM stack (LIFO) storage messages

**AXMLF0001S** LIFO storage cannot be set up because the PRV size exceeds 4K.

**Explanation:** AXM initialization has detected that the total link-edited size of the pseudo-register vector (PRV) for the server application load module exceeds the maximum size of 4096 supported by AXM. The PRV contains task-related variables used by AXM resource management plus any task-related data areas defined by server code using the Assembler DXD operation code or Q-type address constants.

**System Action:** The server is abnormally terminated.

**User Response:** The server programmer needs to decrease the size of task-related variables defined in the PRV. When a large amount of task-related information needs to be stored, it is better to store the information in some separately acquired storage area (such as AXM heap storage) and put only a pointer to it in the PRV.

**Destination:** Console

**Module:** AXMLF

---

### AXM lock management messages
AXM storage page pool management messages

AXM PG0001 The main free area above 16M was at address xxxxxxx, size nnnnK.

Explanation: This message is written to the print file during AXM initialization to indicate the size of the largest area of 31-bit addressable private region storage available at that time.

System Action: Processing continues.

User Response: None.

Destination: Print file

Module: AXMPG

AXM PG0002 The main free area below 16M was at address xxxxxxx1, size nnnnK.

Explanation: This message is written to the print file during AXM initialization to indicate the size of the largest area of 24-bit addressable private region storage available at that time.

System Action: Processing continues.

User Response: None.

Destination: Print file

Module: AXMPG

AXM PG0003 Storage page pool areaname created, address xxxxxxx, size nnnnK.

Explanation: This message is written to the print file during AXM initialization to show the size and address of each storage page pool as it is created. Once this has been done, most AXM storage requests are allocated from this page pool rather than with MVS GETMAIN.

System Action: Processing continues.

User Response: None.

Destination: Print file

Module: AXMPG

AXM PG0004 Usage statistics for storage page pool areaname:

Explanation: This message shows statistics for the named storage page pool (since the most recent statistics reset, if any). It is automatically written to the print file at AXM region termination, and may also be requested at other times by the server.

The detailed message layout is as follows:

```
<table>
<thead>
<tr>
<th>Size</th>
<th>In Use</th>
<th>Max Used</th>
<th>Free</th>
<th>Min Free</th>
</tr>
</thead>
<tbody>
<tr>
<td>nK</td>
<td>nK</td>
<td>nK</td>
<td>nK</td>
<td>nK</td>
</tr>
<tr>
<td>100%</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
<td>n%</td>
</tr>
<tr>
<td>Gets</td>
<td>Frees</td>
<td>Retries</td>
<td>Fails</td>
<td></td>
</tr>
<tr>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td></td>
</tr>
</tbody>
</table>
```

Each of the storage statistics is shown in two forms, as a number of kilobytes and as a percentage of the total size.

The individual fields have the following meanings:

- **Size**: Total size of the storage pool.
- **In Use**: The amount of storage which is currently in use.
- **Max Used**: The highest amount of storage which has been in use.
- **Free**: The amount of storage within the pool which is current free.
- **Min Free**: The lowest amount of storage which has been free.
- **Gets**: The number of requests to obtain storage within the pool.
- **Frees**: The number of requests to release storage within the pool.
- **Retries**: The number of times that a storage request initially failed and was retried after merging any adjacent small free areas to form larger areas.
- **Fails**: The number of times that a storage request was unable to obtain the requested amount of storage even after a retry.

System Action: Processing continues.

User Response: None.

Destination: Print file

Module: AXMPG

AXM resource tracking messages

AXM RS0001 Tidy-up routine at address failed to free resource tracking cell.

Explanation: A server routine established an AXM resource tracking element specifying that a procedure was to be called to release the resource if the task was terminated without releasing the resource. The AXM task is now terminating, and the procedure identified in the tracking element was called, but the resource tracking element was still in existence when it returned. The entry point address of the relevant procedure is indicated in the message.

System Action: The tracking element is released on the assumption that the resource has now been deleted, and AXM task termination continues.

User Response: The server programmer needs to ensure that the procedure to release the resource also frees the resource tracking element.

Destination: Console and print file

Module: AXMRS

AXM server connection and system services messages

AXM SC0011 AXM system services initialization is in progress.

Explanation: AXM system services are being started up, normally as a result of being called by the AXM subsystem initialization routine.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: AXMSC
AXMSC0012I AXM system services initialization has completed.
Explanation: AXM system services are now fully available in the current MVS image.
System Action: AXM cross-memory server connection requests and requests for the POST exit system services will now be accepted.
User Response: None.
Destination: Console
Module: AXMSC

AXMSC0013 AXM system services have already been initialized.
Explanation: An attempt was made to set up AXM system services again when they are already active in the current MVS image.
System Action: The attempt is ignored.
User Response: None.
Destination: Console
Module: AXMSC

AXMSC0021I AXM system services termination is in progress.
Explanation: AXM system services are being withdrawn. This is only possible if they were initialized using the AXM system region program AXMSR instead of being set up via subsystem initialization.
System Action: The AXM system services program call table is deleted and all entry points in the AXM system services anchor are replaced with dummy routines which return an indication that the service are not available.
User Response: Note that the results of attempting to call any AXM system service around this time are unpredictable. AXM system services should never be withdrawn in a production environment at any time when it is possible that they could be in use.
Destination: Console
Module: AXMSC

AXMSC0022I AXM system services termination has completed.
Explanation: AXM system services have been closed down for this MVS image.
System Action: AXM system services are no longer available.
User Response: None.
Destination: Console
Module: AXMSC

AXMSC0031I Connection to server prefix.name has been opened.
Explanation: The current region has established an AXM connection to the AXM server prefix.name.
System Action: Processing continues.
User Response: None.
Destination: Console
Module: AXMSC

AXMSC0032 Connection to server prefix.name failed because the server was not found.
Explanation: The current region tried to establish an AXM connection to the AXM server prefix.name but could not do so because there is no active server of that name enabled for AXM connections.
System Action: The connection attempt is rejected with return code 8, reason code 32.
User Response: Ensure that the server is started and that its name was specified correctly.
Destination: Console
Module: AXMSC

AXMSC0033 Connection to server prefix.name was rejected by the security system.
Explanation: The current region tried to establish an AXM connection to the AXM server prefix.name but the request was rejected by the security system.
System Action: The connection attempt is rejected with return code 8, reason code 33.
User Response: See the previous AXM message giving details of the results of the security check.
Destination: Console
Module: AXMSC

AXMSC0034 Connection to server prefix.name failed because all AXM connections are in use.
Explanation: The current region tried to establish an AXM connection to the AXM server prefix.name but the maximum number of AXM connections supported within an MVS image (currently 4096) has been reached.
System Action: The connection is rejected with return code 8, reason code 34.
User Response: If you anticipate a need for more than 4096 AXM server connections within a single MVS image, you will need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Destination: Console
Module: AXMSC

AXMSC0035 Connection to server prefix.name failed because request limit reqs exceeds 9999.
Explanation: The current region tried to establish an AXM connection to the AXM server prefix.name but the connection parameter specifying the maximum number of concurrent requests to be supported exceeds 9999.
System Action: The connection is rejected with return code 8, reason code 35.
User Response: Check whether the server interface program is specifying the correct value for the maximum number of concurrent requests.
Destination: Console
Module: AXMSC
AXMSC0036 Connection to server prefix.name was rejected by the server.

Explanation: The current region tried to establish an AXM connection to the AXM server prefix.name but the server-defined connection exit rejected the request.

System Action: The connection is rejected with return code 8, reason code 36.

User Response: The reason for the rejection depends on the server code, but this typically occurs if the server is preparing to close down or has insufficient resources to accept another connection.

Destination: Console
Module: AXMSC

AXMSC0037 Connection to server prefix.name failed because the server is terminating.

Explanation: The current region tried to establish an AXM connection to the AXM server prefix.name but the server entered termination processing while the connection request was in progress.

System Action: The connection is rejected with return code 8, reason code 37. The instance of the server that was being terminated will no longer be visible to any new connection attempts.

User Response: Retry the connection when the server has been restarted.

Destination: Console
Module: AXMSC

AXMSC0038 Connection to server prefix.name failed because this address space is already connected to it.

Explanation: The current region tried to establish an AXM connection to the AXM server prefix.name but it already has a connection to the same server region. AXM does not support multiple connections from the same region to the same server region.

System Action: The connection is rejected with return code 8, reason code 38.

User Response: None.

Destination: Console
Module: AXMSC

AXMSC0041I Connection to server prefix.name has been closed.

Explanation: An AXM connection from the current region to the named server has been terminated, either as a result of being explicitly closed by this region or as a result of the termination of the MVS TCB which originally established the connection.

System Action: Processing continues.

User Response: None.

Destination: Console
Module: AXMSC

Chapter 2. AXM server environment messages
AXMSC0054 Server \textit{prefix.name} cannot be enabled because the security system rejected the request.

\textbf{Explanation:} The security system detected that the server region userid was not correctly authorized to act as an AXM server with the specified server name.

\textbf{System Action:} The attempt to enable the server interface is rejected with return code 8, reason code 54.

\textbf{User Response:} See the previous AXM message giving details of the results of the security check.

\textbf{Destination:} Console

\textbf{Module:} AXMSC

AXMSC0061 Server \textit{prefix.name} is now disabled for connections.

\textbf{Explanation:} This AXM server is terminating and is no longer available for connections from other address spaces. This occurs either when the server explicitly disables its interface or when the server job step task terminates.

\textbf{System Action:} Processing continues.

\textbf{User Response:} None.

\textbf{Destination:} Console

\textbf{Module:} AXMSC

AXMSC0062 Server disable failed for token \textit{xxxxxxxxx}, reason is \textit{n}.

\textbf{Explanation:} An attempt to disable the server interface failed because the specified server interface token did not correctly identify an active server interface established by the current address space.

The reason code provides an internal indication of which validity check failed within procedure AXMSCDIS. All reason codes probably indicate an incorrect token.

\textbf{System Action:} The attempt to disable the server interface is rejected with return code 8, reason code 62. If the server interface is still enabled, it will be disabled automatically when the job step task terminates.

\textbf{User Response:} As the server interface token is stored internally by AXM, the only known possible reason for this message is storage overwriting within the server region.

\textbf{Destination:} Console

\textbf{Module:} AXMSC

AXMSC0063 Server \textit{prefix.name} cannot be disabled because caller is not APF authorized.

\textbf{Explanation:} AXM requires that an AXM server region must be running APF authorized in order to be allowed to disable its server interface.

\textbf{System Action:} The attempt to disable the server interface is rejected with return code 8, reason code 63.

\textbf{User Response:} Ensure that the server program is executed from an APF authorized library and is link-edited with AC(1).

\textbf{Destination:} Console

\textbf{Module:} AXMSC

AXMSC0071 Server name \textit{prefix.name} has incorrect syntax for access checks.

\textbf{Explanation:} The security checking routine has detected that the AXM server name specified on a connection request or on a server enable request is not in the correct form, for example because either the prefix or name is blank. This means that the security check cannot be performed.

\textbf{System Action:} A return code is set to indicate that the security check failed.

\textbf{User Response:} Check whether the prefix and name are specified correctly. The prefix is normally defined by the server, but the name may be set from a user-specified server parameter.

\textbf{Destination:} Console

\textbf{Module:} AXMSC

AXMSC0072 level access authorization was denied for FACILITY \textit{facility}.

\textbf{Explanation:} The external security manager has indicated that the current region is not authorized for the required level of access to the specified facility.

\textbf{System Action:} A return code is set to indicate that the security check failed.

\textbf{User Response:} Check whether the userid for the region has been authorized to access the specified facility resource name.

\textbf{Destination:} Console

\textbf{Module:} AXMSC

AXMSC0073 level access authorization is unavailable for FACILITY \textit{facility}.

\textbf{Explanation:} The external security manager has indicated that it is unable to determine whether the current region is authorized for the required level of access to the specified facility. This message is only issued if it is not possible for the security routine to determine whether security checking is actually required. In cases where it is obvious that no security check is required (for example because no external security manager is installed), access is granted anyway.

\textbf{System Action:} A return code is set to indicate that the security check failed.

\textbf{User Response:} Check whether the external security manager is available and whether the security definitions for the specified facility have been provided.

\textbf{Destination:} Console

\textbf{Module:} AXMSC

AXMSC0074 RACROUTE REQUEST=AUTH gave R15=\textit{xxxxxxxxx}, SAFPRRET=\textit{xxxxxxxxx}, SAFPRREA=\textit{xxxxxxxxx}.

\textbf{Explanation:} This message provides additional details about the results of a security check in any case where access is not granted. See the documentation of the RACROUTE macro for further information.

\textbf{System Action:} Processing continues.

\textbf{User Response:} None.

\textbf{Destination:} Console

\textbf{Module:} AXMSC
AXMSC0075 RACROUTE REQUEST=STAT gave R15=xxxxxxxx, SAFPRRET=xxxxxxxx, SAFPRREA=xxxxxxxx.

Explanation: This message provides additional details about the results of a security check in any case where access is not granted. See the documentation of the RACROUTE macro for further information.

System Action: Processing continues.
User Response: None.
Destination: Console
Module: AXMSC

AXMSC0991I Creating new AXM system services anchor at address.

Explanation: This message is issued during AXM system services initialization to enable the system services anchor to be located if necessary for diagnostic purposes.

System Action: AXM system services initialization processing continues.
User Response: None.
Destination: Console
Module: AXMSC

AXMSC0992I Deleting old AXM system services anchor at address.

Explanation: This message is issued during AXM system services initialization if AXM system services were previously active but had been terminated (which is not possible in normal production environment). The old system services anchor is retained after AXM termination because it contains the system LX to be used if AXM is restarted. This message gives the address of the old system services anchor for diagnostic purposes.

System Action: AXM system services initialization processing continues.
User Response: None.
Destination: Console
Module: AXMSC

AXM subsystem initialization messages

AXMSI0001I AXM subsystem initialization is in progress.

Explanation: The AXM subsystem initialization program has been started in order to initialize AXM system services.

System Action: AXM system services will be loaded and initialized.
User Response: None.
Destination: Console
Module: AXMSI

AXMSI0002I AXM subsystem initialization has completed.

Explanation: The AXM subsystem initialization program has completed execution.

System Action: The program returns control to MVS.
User Response: None.
Destination: Console
Module: AXMSI

AXMSI0003 AXM subsystem initialization return code retcode, reason code rsncode.

Explanation: The AXM subsystem initialization routine has not completed normally. This message indicates the final return code and reason code. This is normally the return code from AXM system services initialization.

System Action: The subsystem initialization routine returns control to MVS.
User Response: See the previous AXM message describing the cause of the problem. The reason code will normally be the number of an error message issued by AXMSC.
Destination: Console
Module: AXMSI

AXMSI0004 AXM subsystem initialization can only run in Master Scheduler address space.

Explanation: An attempt has been made to invoke the AXM subsystem initialization program AXMSI in some other way than as an MVS subsystem initialization program running in the Master Scheduler region (ASID 0001).

System Action: The subsystem initialization program is abnormally terminated.
User Response: None.
Destination: Console
Module: AXMSI

AXM system region messages

AXMSR0001I AXM system region initialization is in progress.

Explanation: An AXM system region is being started. This is used to initialize AXM system services in a testing environment for development purposes, and allows AXM system services to be closed down and restarted without an IPL.

System Action: Processing continues.
User Response: None.
Destination: Console
Module: AXMSR

AXMSR0002I AXM system region initialization has completed.

Explanation: AXM system services have been successfully initialized from the AXM system region.

System Action: Processing continues.
User Response: The system region may be closed down again using the MVS STOP command but this should only be done when it is certain that no AXM services are being used within the MVS image.
AXMSR0003I AXM system region termination is in progress.

Explanation: The operator has requested termination of the AXM system region using the MVS STOP command.
System Action: AXM system services are terminated.
User Response: None.
Destination: Console
Module: AXMSR

AXMSR0004I AXM system region termination has completed.

Explanation: The AXM system region has completed termination.
System Action: Control is returned to MVS and the job step ends.
User Response: None.
Destination: Console
Module: AXMSR

AXMSR0011 AXM system region can only run under MVS/ESA.

Explanation: An attempt was made to execute the AXM system region program AXMSR in a non-MVS environment.
System Action: The system region program terminates.
User Response: None.
Destination: Console
Module: AXMSR

AXMSR0012 AXM system region program AXMSR needs to be APF authorized.

Explanation: An attempt was made to execute the AXM system region program AXMSR without APF authorization.
System Action: The system region program terminates.
User Response: Ensure that the module AXMSR is stored in an APF-authorized library and is link-edited with AC(1).
Destination: Console
Module: AXMSR

AXMSR0013 AXM system region LOAD for name failed with completion code xxx-nn.

Explanation: The attempt to LOAD the system services module (AXMSC) failed.
System Action: The system region program terminates.
User Response: See the description of the system completion code xxx in MVS/ESA System Codes for the reason that the LOAD failed.
Destination: Console
Module: AXMSR

AXMSR0021 AXM system region does not support this command: text

Explanation: An attempt was made to issue a command to the AXM system region using the MVS MODIFY command. The AXM system region only supports the MVS STOP command, and does not support commands entered via MODIFY.
System Action: The command is ignored.
User Response: If the intention was to close down the system region, use the MVS STOP command instead.
Destination: Console
Module: AXMSR

AXMSR0022I AXM system region STOP command has been accepted.

Explanation: An operator has issued a STOP command to close down the AXM system region.
System Action: AXM system services will be terminated.
User Response: None.
Destination: Console
Module: AXMSR
AXM trace and print file management messages

**AXMTR0001** The *ddname* print file could not be opened.

**Explanation:** The AXM trace and print file with the specified *ddname* (usually AXMPRINT or SYSPRINT) could not be opened during AXM initialization.

**System Action:** Print file output requests will be ignored.

**User Response:** Ensure that the appropriate DD statement is present. The default *ddname* is AXMPRINT, but this may be overridden to SYSPRINT by an AXMTRDEF definition within the server code if the server does not need to reserve the name SYSPRINT for any other purpose.

**Destination:** Console and SYSPRINT

**Module:** AXMTR

AXM address lookup (WHERE) messages

**AXMWH0001I** *Address* address is at +*offset* in *modtype* module *modname*.

**Explanation:** This message may be produced after an abend or TRAP message to identify the module containing the error address, if the module is known to MVS. The information about the module and type is obtained using the MVS macros CSVQUERY or NUCLKUP.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** Console and print file

**Module:** AXMWH

**AXMWH0002I** *Address* address is at +*offset* in procedure *procname*.

**Explanation:** This message may be produced after an abend or TRAP message to identify the procedure containing the error address, if the storage is within a known module and a standard SAVE sequence including a procedure identifier appears at some point before the error address.

**System Action:** Processing continues.

**User Response:** None.

**Destination:** Console and print file

**Module:** AXMWH

AXM cross-memory interface messages

**AXMXM0011** Server *prefix.name* cannot be enabled because AXM system services are not available.

**Explanation:** An attempt has been made to enable a server interface but AXM system services have not been initialized within this MVS image.

**System Action:** The server enable request is rejected.

**User Response:** Ensure that AXM system services are started then start the server again.

**Destination:** Console and SYSPRINT

**Module:** AXMXM

**AXMXM0012** Enable failed for server *prefix.name*, return code *retcode*, reason *rsncode*.

**Explanation:** The server interface could not be enabled. The specific reason will have been indicated by an earlier AXMSC message.

**System Action:** The server enable request is rejected.

**User Response:** None.

**Destination:** Console and SYSPRINT

**Module:** AXMXM

**AXMXM0021 ABEND** *xxx-rr* occurred at *address*, data *word1* *word2* *word3*.

**Explanation:** The ARR routine for an AXM cross-memory program call routine has intercepted an abend in a cross-memory mode AXM task and has passed the associated SDWA to a task in the server address space to issue the appropriate diagnostic messages. The abend code is shown as three hexadecimal digits for a system completion code or four decimal digits for a user completion code. The data consists of the twelve bytes around the PSW address as provided by MVS in the SDWA.

**System Action:** The ARR will already have completed processing when this message is issued, as the message is written out by the server region. If recovery is allowed, the ARR terminates the affected AXM internal task, in which case the return code from the cross-memory request will consist of the completion code in the usual MVS format but with the high-order bit set to indicate an abend. If recovery is not allowed, the ARR percolates the error, passing the abend to the requesting region.

The diagnostic routine which writes this message will call AXMWH which attempts to identify the module and procedure in which the abend occurred and writes out a further message if successful. It then releases the MVS SDWA. Server execution is not directly affected by an abend in cross-memory mode.

**User Response:** Look up the completion code to identify the cause of the abend.

**Destination:** Console and SYSPRINT

**Module:** AXMXM

**AXMXM0022 TRAP** occurred at offset *offset* in *procname*.

**Explanation:** An internal logic error in a server module or invalid parameters on a server request resulted in a TRAP macro being executed at the specified location in cross-memory mode. The system will normally produce a symptom dump message on the job log, and a full dump of the connected region may be produced if an appropriate DD statement (SYSUDUMP, SYSMDDUMP or SYSABEND) is present in the JCL for the connected region.

**System Action:** The AXM task is abnormally terminated.

**User Response:** This probably indicates a logic error in server code, or an attempt to use some internal component of the server outside its correct context.

If the procedure name in the message begins with AXM, this probably indicates that the server code which called it has passed inconsistent parameters, such as an invalid address when releasing main storage.

**Destination:** Console

**Module:** AXMXM
Chapter 3. Transaction abend codes

When abnormal conditions occur, CICS can send a message to the CSMT transient data destination containing the transaction ID, the program name and the abend code. Here is an example:

DFHAC2236 date time applid Transaction tranid abend primary abcode in program program name term termid backout successful
{ batchid = }batchid. message

Alternatively, the application can intercept abends by including an active EXEC CICS HANDLE ABEND command. The actual abend code can be determined by issuing the EXEC CICS ASSIGN command with the ABCODE option.

The transaction identification code tranid usually consists of the 4 characters defined to CICS. However, when a transaction is initiated by using a light pen, an operator identification (OPID) card reader, or 3270 PA or PF keys (specified in the TASKREQ= operand), CICS creates an internal transaction identification in the form of a 1-byte 3270 attention identification (AID) code followed by 3 bytes of X'FF'.

The code that may actually appear in the message in place of the internally-created transaction identification will be *xx*, where xx is the character translation of the 3270 AID code. To prevent ambiguity, the user should avoid using these codes as transaction identifiers.

The keys, the light pen (LPA), and OPID, and their corresponding printed AID codes are given in the following list:

<table>
<thead>
<tr>
<th>PF1</th>
<th><em>F1</em></th>
<th>PF13</th>
<th><em>C1</em></th>
<th>LPA</th>
<th><em>7E</em></th>
</tr>
</thead>
<tbody>
<tr>
<td>PF2</td>
<td><em>F2</em></td>
<td>PF14</td>
<td><em>C2</em></td>
<td>OPID</td>
<td><em>E6</em></td>
</tr>
<tr>
<td>PF3</td>
<td><em>F3</em></td>
<td>PF15</td>
<td><em>C3</em></td>
<td>PA1</td>
<td><em>6C</em></td>
</tr>
<tr>
<td>PF4</td>
<td><em>F4</em></td>
<td>PF16</td>
<td><em>C4</em></td>
<td>PA2</td>
<td><em>6E</em></td>
</tr>
<tr>
<td>PF5</td>
<td><em>F5</em></td>
<td>PF17</td>
<td><em>C5</em></td>
<td>PA3</td>
<td><em>6B</em></td>
</tr>
<tr>
<td>PF6</td>
<td><em>F6</em></td>
<td>PF18</td>
<td><em>C6</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PF7</td>
<td><em>F7</em></td>
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</tbody>
</table>

An abend code indicates the cause of an error that may have been originated by CICS or by a user program. For most of the abend codes described, a CICS transaction dump is provided at abnormal termination.

All CICS transaction abend codes abcode are 4-character alphanumeric codes of the form Axxxy, where:

Aack 'M' is the IBM-assigned designation of a CICS transaction abend.

xx is the 2-character code assigned by CICS to identify the module that detected an error.

y is the 1-character alphanumeric code assigned by CICS.

Format of information

For each transaction abend code, the following information is given:

- An explanation of events leading to or following the message.
- The action that has been or will be taken by CICS (system action).
- The action recommended for the user (console or terminal operator).
- The module or modules that can determine that the message should be sent (not necessarily the module or modules that can issue the macro to write the message.)
### Abends

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<td><strong>AACA</strong></td>
<td>An invalid error code has been passed to the DFHTFP or DFHACP programs.</td>
<td>CICS terminates the task abnormally with a dump.</td>
<td>Notify the system programmer.</td>
<td>DFHTFP,DFHACP</td>
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<tr>
<td><strong>AALM</strong></td>
<td>An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the log manager (LM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options specified in the dump table).</td>
<td>The task is abnormally terminated with a CICS transaction dump.</td>
<td>See the related message produced by the domain that detected the original error.</td>
<td>DFHAMLML</td>
</tr>
<tr>
<td><strong>AALN</strong></td>
<td>An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the TD manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).</td>
<td>The task is abnormally terminated with a CICS transaction dump.</td>
<td>Inform the system programmer. Examine the trace and the dump to identify the point of error.</td>
<td>DFHAMTD</td>
</tr>
<tr>
<td><strong>AALO</strong></td>
<td>An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the CICS/DB2 table manager DFHD2TM. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).</td>
<td>The task is abnormally terminated with a CICS transaction dump.</td>
<td>Inform the system programmer. Examine the trace and the dump to identify the point of error.</td>
<td>DFHAMD2</td>
</tr>
<tr>
<td><strong>AALP</strong></td>
<td>An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Program Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).</td>
<td>The task is abnormally terminated with a CICS transaction dump.</td>
<td>Inform the system programmer. Examine the trace and the dump to identify the point of error.</td>
<td>DFHAMPG</td>
</tr>
<tr>
<td><strong>AALQ</strong></td>
<td>An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Business Application Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).</td>
<td>The task is abnormally terminated with a CICS transaction dump.</td>
<td>Inform the system programmer. Examine the trace and the dump to identify the point of error.</td>
<td>DFHAMBA</td>
</tr>
<tr>
<td><strong>AALR</strong></td>
<td>An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Temporary Storage Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).</td>
<td>The task is abnormally terminated with a CICS transaction dump.</td>
<td>Inform the system programmer. Examine the trace and the dump to identify the point of error.</td>
<td>DFHAMBA</td>
</tr>
<tr>
<td><strong>AALS</strong></td>
<td>An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Global Enqueue Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).</td>
<td>The task is abnormally terminated with a CICS transaction dump.</td>
<td>Inform the system programmer. Examine the trace and the dump to identify the point of error.</td>
<td>DFHAMBA</td>
</tr>
<tr>
<td><strong>AALT</strong></td>
<td>An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Internet Inter-Orb Protocol Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).</td>
<td>The task is abnormally terminated with a CICS transaction dump.</td>
<td>Inform the system programmer. Examine the trace and the dump to identify the point of error.</td>
<td>DFHAMOP</td>
</tr>
<tr>
<td><strong>AALU</strong></td>
<td>An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Sockets Domain Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).</td>
<td>The task is abnormally terminated with a CICS transaction dump.</td>
<td>Inform the system programmer. Examine the trace and the dump to identify the point of error.</td>
<td>DFHAMPG</td>
</tr>
</tbody>
</table>
AAL1
Explanation: DFHALP was processing a request that deadlocked. The most likely reason for the abend is that an ALLOCATE QUEUE request has been suspended because there are no contention-winning links available.
System Action: CICS terminates the task abnormally. A dump is taken only if the abend is nontime-out related. A dump is not taken for stall purges and deadlock time-outs.
User Response: Ensure that there are enough contention-winning sessions available to satisfy the ALLOCATE QUEUE request in that modegroup.
If you are running with modegroups, ensure that there are contention-winning sessions available to satisfy the ALLOCATE request in that modegroup.
It might be necessary to increase the deadlock timeout (DTIMEOUT) value for the transaction to prevent this abend from recurring.
Module: DFHALP

AAL2
Explanation: Either an incorrect response (other than PURGED) was returned from the suspend of the allocated task, or an incorrect response was returned from the resume.
System Action: The transaction is abnormally terminated with a dump.
User Response: Check the return code from the resume or the suspend to determine the cause of the error.
Module: DFHALP

AAL3
Explanation: The task has been purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition provides an exception trace.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of a deadlock timeout.
Module: DFHALP

AAL4
Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options specified in the dump table).
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: See the related message produced by the domain that detected the original error.
Module: DFHALP

AAL6
Explanation: An error (INVALID, DISASTER or EXCEPTION response) has occurred on a call to SIGNOFF_TERMINAL_USER by DFHALP during sign-off for a surrogate terminal session running CRTE. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: See the related message produced by the domain that detected the original error.
Module: DFHALP

AAL7
Explanation: An error (INVALID, DISASTER or EXCEPTION response) has occurred on a call to schedule a remote terminal delete by DFHALP during sign-off for a surrogate terminal session running CRTE. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: See the related message produced by the domain that detected the original error.
Module: DFHALP

AAMA
Explanation: There is an internal logic error in DFHAMP.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHAMP

AAMC
Explanation: The task was purged before a GETMAIN request to the storage manager domain was able to complete successfully.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.
Module: DFHAMP

AAMD
Explanation: An unexpected return code has been received from DFHAMP. This is due to an internal logic error.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHAMP
**AAMF**

**Explanation:** An unexpected return code has been received following a call to the kernel (KE) domain. This might be due to an internal logic error.

**System Action:** CICS terminates the task abnormally with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHAMP

---

**AAMG**

**Explanation:** An unexpected return code has been received following a call to DFHAFMT. This might be due to an internal logic error.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHAMP

---

**AAMH**

**Explanation:** An unexpected return code has been received following a call to DFHFCMT. This might be due to an internal logic error.

**System Action:** CICS terminates the task abnormally with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHAMP

---

**AAMI**

**Explanation:** An unexpected return code has been received following a call to DFHFCRL. This might be due to an internal logic error.

**System Action:** CICS terminates the task abnormally with a dump. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**User Response:**

**Module:** DFHAMP

---

**AAMJ**

**Explanation:** While installing a file, using RDO, a call was made to DFHFCFS to enable the file. An irrecoverable error was returned from DFHFCFS.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

At the time the error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump.

**User Response:** Inform the system programmer. Examine the trace and dump to identify the point of error.

**Module:** DFHAMP

---

**AAMK**

**Explanation:** While installing a file, using RDO, a call was made to DFHFCDN. An irrecoverable error was returned from DFHFCDN.

**System Action:** The task is abnormally terminated with a CICS transaction dump. At the time the error is detected, CICS writes a message to the console, records an exception trace entry, and takes a system dump.

**User Response:** Inform the system programmer, Examine the trace and dump to identify the point of error.

**Module:** DFHAMP

---

**AAMN**

**Explanation:** There has been an unexpected return code from a call to DFHFRPT. This might be due to an internal logic error.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHAMP

---

**AAMO**

**Explanation:** An invalid return code was returned from DFHTOR, the CICS terminal object resolution program.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHAMP

---

**AAMP**

**Explanation:** An unexpected return code has been received from DFHPUP. This might be due to an internal logic error.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHAMP

---

**AAMQ**

**Explanation:** An attempt has been made to install a partner using RDO. However, the partner resource manager (PRM) is unavailable having failed to initialize during CICS initialization.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** If you need to use the PRM, correct the problem which prevented the PRM from initializing, and restart CICS.

**Module:** DFHAMP
Chapter 3. Transaction abend codes

User Response: Determine why the task has failed. If there is a system dump, use it together with the trace entry and the console message to resolve the problem. If there is no system dump, the task has been purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHAMP

Explanation: An application has issued a CPI verb which CICS does not support. The entry point referenced in the application program was resolved in the link edit stub, but the function requested could not be resolved when control passed to CICS.

There are two possible reasons for this:
- You have linkedited your application program with a CPI stub which supports more function than this release of CICS.
- The linkedit stub has been corrupted.

System Action: The transaction is abnormally terminated with a CICS transaction dump. An exception trace entry is also written.

User Response: At the time of the error, general register 0 points to an 8-byte character string which should match the name of the issued CPI call. Use the trace or the dump to verify that this character string is the name of a CPI function which is supported. If the character string is not an intelligible character string, the stub has probably been corrupted.

Module: DFHCPI

Explanation: An application has issued a CPI verb which specifies more than eight parameters.

System Action: The transaction is abnormally terminated with a CICS transaction dump and an exception trace entry is also written.

User Response: Change your application program so that the correct number of parameters is specified on the CPI call.

Module: DFHCPI

Explanation: CPI Communications is invoked with an invalid number of parameters for call

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: The exception trace point produced with this abend contains the incorrectly issued CPI Communications verb name. Use this to determine where the application program was in error and amend it accordingly.

The SAA CPI Communications Reference manual, SC26-4399, provides a detailed description of all the CPI Communications verbs and how they should be called.

Module: DFHCPIARH

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason the task was purged.
AAOE

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHCPCBI

AAOF

Explanation: During the processing of CMACCP (accept conversation), CPI Communications detected that the application was attached with an unsupported sync level.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This condition is caused by a back-end CPI Communications transaction being attached with a sync level that is not CM_NONE (0) or CM_CONFIRM (1). Change the front-end transaction, (that is, the initiator of the conversation in the other system) so that it defines the sync level correctly.

Module: DFHCPCBS

AAOH

Explanation: Journaling of data sent on a CPI communications mapped conversation has failed. This condition is caused by a nonzero response from the CICS log manager.

Problem Determination: Register 12 addresses the current TCA and field TCAJCAAD and register 4 address the JCA. The log manager request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:

- X'8001' - WRITE
- X'8003' - PUT

Possible response codes are:

- X'01' - IDERROR - Journal identification error
- X'02' - INVREQ - Invalid request
- X'03' - STATERR - Status error
- X'05' - NOTOPEN - Journal not open
- X'06' - LERROR - Journal record length error
- X'07' - IOERROR - I/O error.

The address of the TIOA is contained in register 8 and its data length is in TIOATDL.

Analysis:

Register Label Description
R4=0JCA TCZARQPJ JCAJCRC is nonzero.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This condition is caused by an invalid response from the log manager. Use the dump to ascertain why the journal or log record could not be written correctly. If a journal record length error is indicated, TIOATDL may have been corrupted.

Module: DFHCPCRI, DFHCPCRW
**Chapter 3. Transaction abend codes**

### AAOM

**Explanation:** CPI Communications and the DFHZUSR state machines are out of synchronization.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** This is a CICS internal logic error.

A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCIC

### AAOK

**Explanation:** CPI Communications has detected an unexpected call to one of its internal routines.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** This is a CICS internal logic error.

A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCIC

### AAOL

**Explanation:** CPI Communications has made an invalid call to DFHLUC.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** This is a CICS internal logic error.

A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCIC

### AAON

**Explanation:** CPI Communications has detected an unexpected response from DFHLUC.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** This is a CICS internal logic error.

A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Modules:** DFHCPCLR, DFHCPSRH

### AAOP

**Explanation:** CPI Communications has been invoked with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** A level 2 trace for ‘CP’ of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPARH

### AAOR

**Explanation:** The CPI Communications state machine has been requested to perform a state transition request that is considered to be an ‘impossible’ situation. *(The SAA CPI Communications Reference manual, (SC26-4399) documents all these situations.)*

There are two possible causes of this error:

- The CPC (conversation control block) has been overwritten in such a way that the conversation state has been altered, or
- There is an error in the CPI Communications state machine.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

The transaction dump shows the CPC. You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCFS
AAOQ

**Explanation:** The return code generated by CPI Communications does not have an entry in the state table against the current CPI Communications verb. This error is detected by the CPI Communications state machine.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** This is a CICS internal logic error.

A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCFS

---

AAOR

**Explanation:** CPI Communications has detected an invalid value in the CPC (conversation control block).

There are 2 possible causes of this error:

- The CPC (conversation control block) has been overwritten, or
- There is an error in CPI Communications which causes it to reject valid values.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

**Module:** DFHCPCIC

---

AAOS

**Explanation:** CPI Communications has detected that the conversation state is RESET for a situation where this should not occur. That is, the conversation control block (CPC) is about to be deleted.

There are two possible causes of this error:

- The CPC has been overwritten, or
- There is an error in CPI communications.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself. You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCIC

---

AAOT

**Explanation:** While chaining through the CPCs (conversation control blocks) for a given conversation, CPI Communications detected that the chain was broken.

There are two possible causes of this error.

1. The CPC chain has been overwritten, or
2. There is an error in the CPI Communications chaining mechanism.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Determine which of the above caused the error.

A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCBI

---

AAOU

**Explanation:** CPI Communications has detected an error in the TP_name or partner_LU_name while processing an initialize conversation request. The TP_name or partner_LU_name is obtained by lookup of the sym_dest_name in the partner resource table (PRT).

There are two possible causes of this error.

1. The entry in the PRT contains invalid data, or
2. There is an error in the mechanism that returns the data from the PRT and interprets it.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCBI

---

AAOV

**Explanation:** CPI Communications has detected that its internal state table is corrupted.

This error is detected by the CPI Communications state machine.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** This is a CICS internal logic error.

A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCFS
**AAOY**

**Explanation:** CPI Communications has detected an internal logic error in DFHCPCCLC.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** This is a CICS internal logic error. A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCPCCLC

---

**AAOZ**

**Explanation:** CPI Communications has detected an invalid ID field in the GDS records it was receiving on a mapped conversation. The exception trace point that accompanies this abend gives the ID field in data 3. The valid IDs are ‘12FF’X for application data and ‘12F1’X for null data.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Use CICS traces and, possibly, a VTAM trace to determine the data that was sent between both systems.

A level 2 CICS trace for ‘CP’ of the transaction documents the course of events prior to this error (such as the modules called and their parameters). The level 2 trace also provides details of the error itself.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCPCRB

---

**AAOW**

**Explanation:** CPI Communications has detected a bad syncpoint return code which has been set on a synclevel 0 or 1 conversation. The bad return code is only expected on a synclevel 2 conversation.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** This is a CICS internal logic error. A level 2 trace for ‘CP’ of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCPCCLC

---

**AAOX**

**Explanation:** CPI Communications has detected an unexpected response from DFHLUC.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** This is a CICS internal logic error. A level 2 CICS trace for ‘CP’ of the transaction documents the course of events prior to this error (such as the modules called and their parameters). The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCPCRB

---

**AAOY**

**Explanation:** CPI Communications detected an invalid LL field in the GDS records from which it was receiving on a mapped conversation.

Although it is possible that the remote system is sending invalid records, it is more likely to be an error in the receive logic because DFHZARRC (a lower level receive module) also checks the LLs before passing them to CPI Communications.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Use CICS traces and, possibly a VTAM trace, to determine the data that was sent between both systems.

A level 2 CICS trace for ‘CP’ of the transaction documents the course of events prior to this error (such as the modules called and their parameters). The level 2 trace also provides details of the error itself.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCPCBA

---

**AAO3**

**Explanation:** The CPI interface detected that a call was made to a CPI Communications function without CPI Communications being initialized. This implies that CPI Communications initialization failed while CICS was initializing.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump. An exception trace entry is also written when this event occurs.

**User Response:** Check the console listing to determine the reason why CPI Communications failed to initialize during CICS initialization. Correct the problem and restart CICS.

If the console listing indicates that CPI Communications initialized successfully, you need further assistance to resolve the problem. Collect the console listing, the traces and the transaction dump. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCPPI
**AAO4**

**Explanation:** DFHZARL, or a module called by DFHZARL, has detected a logic error. This error is almost certainly caused by the module receiving invalid data or indicators from VTAM.

**System Action:** Before returning to the CPI Communications layer, DFHZARL calls DFHZNAC to clean up the session and put out messages on the CSNE log. CPI Communications abnormally terminates the transaction with a CICS transaction dump, and produces an exception trace entry.

**User Response:** Check the CSNE log to determine the type of error. You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPCCLR

---

**AAO5**

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

**Modules:** DFHPCBA, DFHPCBI, DFHPCCBS

---

**AAO7**

**Explanation:** The CPI Communications syncpoint request handler has been passed an invalid DFHLUC parameter list. This is a CICS internal logic error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** A level 2 trace for ‘CP’ of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCPSRH

---

**AAO8**

**Explanation:** The CPI Communications syncpoint request handler has been passed an invalid conversation control block (CPC). This is a CICS internal logic error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** A level 2 trace for ‘CP’ of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHEIBAM

---

**AAO9**

**Explanation:** A task has been purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the task was purged.

If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHCPSRH

---

**ABAC**

**Explanation:** An activity issued EXEC CICS RETURN (without the ENACTIVITY option) but no events were processed during the activation. The activity was executed with a RUN command.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

**User Response:** Investigate why the activity did not process any events.

**Module:** DFHBASP

---

**ABAD**

**Explanation:** An activity issued EXEC CICS RETURN ENACTIVITY while there were activity completion events pending. The activity was executed with a RUN command.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

**User Response:** Investigate why the activity had pending activity completion events.

**Module:** DFHBASP

---

**ABAE**

**Explanation:** An activity issued EXEC CICS RETURN (without the ENACTIVITY option) but no events were processed during the activation. The activity was executed with a LINK command.

**System Action:** The task which issued the LINK is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

**User Response:** Investigate why the activity did not process any events.

**Module:** DFHEIBAM
**Explanation:** An activity issued EXEC CICS RETURN ENDACTIVITY while there were activity completion events pending. The activity was executed with a LINK command.

**System Action:** The task which issued the LINK is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

**User Response:** Investigate why the activity had pending activity completion events.

**Module:** DFHEIBAM

---

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

**Modules:** DFHMCP, DFHMCPE, DFHM32, DFHPBP, DFHRLR

---

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a transaction dump.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Please see the related message produced by the domain that originally detected the error.

**Modules:** DFHMCP, DFHMCPE, DFHM32, DFHPBP, DFHRLR

---

**Explanation:** The user has supplied a terminal I/O area (TIOA) with an invalid data length that was either equal to zero or greater than the storage accounting length minus 12.

Alternatively, the length field of a header or trailer area provided by the application program is invalid (that is, not positive).

**Problem Determination:** The output services work area (OSPWA) is in user storage and will be printed in a transaction dump. It is addressed by register 2 at the time of the abend. Relevant fields are:

- OSPTR7
- OSPHDRA
- OSPTRLA

Register 4 or OSPTIOA points to the TIOA. In the TIOA, the following fields are relevant:

- TIOATDL
- TIOASAL

**Analysis:**

<table>
<thead>
<tr>
<th>Register</th>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4=?TIOA</td>
<td>PBCKTDL</td>
<td>TIOATDL is zero or greater than TIOASAL-12.</td>
</tr>
<tr>
<td>R2=?OSPNA</td>
<td>PBD206B0</td>
<td>R0 (= first halfword of trailer) is zero.</td>
</tr>
<tr>
<td>R8=?@trailer</td>
<td>OSPTR7</td>
<td>has X'20' bit set.</td>
</tr>
<tr>
<td>R2=?OSPNA</td>
<td>PBDTXHDR</td>
<td>R0 (= first halfword of header) is zero.</td>
</tr>
<tr>
<td>R8=?@header</td>
<td>OSPTR7</td>
<td>has X'40' bit set.</td>
</tr>
</tbody>
</table>

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the program that supplied the erroneous data length.

Check the TIOA. If either of the conditions described is present, check the application program. For programs using command-level interface, the TIOA is obtained by CICS using the length of the data item passed in the FROM option on an EXEC CICS SEND MAP or EXEC CICS SEND TEXT command, or in the TRAILER or HEADER option on an EXEC CICS SEND TEXT or an EXEC CICS SEND PAGE command. Check the data item for zero length.

Header and trailer records have a special format described in the *CICS Application Programming Reference*. An ABMA abend occurs if the first halfword (the length) is not positive. Check the remainder of the header/trailer record for validity when the length is checked.

**Modules:** DFHPBP, DFHMCP

---

**Explanation:** The user has specified a cursor position in the BMS output request. It is larger than the current screen size for the 3270 for which output is being built.

**Problem Determination:** If the abend occurs in DFHPBP:

At the time of the abend, register 2 points to the OSPWA and register 1 to the TTP. Relevant fields are:

- OSPTR3 has X'10' bit set to indicate a user-specified cursor position
- OSPPCP contains a halfword cursor position specified by user
- TTPSCSZ contains the halfword value of the screen size to compare against.

If the abend occurs in DFHMCP or DFHMCPX:

- Register 6 points to the OSPWA (in LIFO storage)
- OSPCP contains a halfword cursor position specified by user
- OSPTR3 has X'10' bit set to indicate a user-specified cursor position
- OSPSCSZ contains the halfword value of the screen size to compare against.

**Analysis:**
**Register Label Description**

In DFHPBP:

- **R2=0OSPWA PBDBADC OSPTR3 X'1Nzerodot' bit set** indicates the user-specified cursor position.  
  TTPSCSZ halfword screen size.  
  OSPCP halfword cursor position.

In DFHKCP or DFHMCX:

- **R6=0OSPWA MCENEAU2 OSPTR3 X'1Nzerodot' bit set** indicates the user-specified cursor position.  
  OSPSCSZ halfword screen size.  
  OSPCP halfword cursor position.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the program that specified the incorrect cursor location.  
Use trace to identify the statement issuing the request. Check that the cursor position is being correctly set. The program may have been designed to run in alternate screen size mode but is being run in default screen size mode, or it may have been designed to run on a 3270 model different from the one in use. If the program is routing a message, the route list should be checked. If the program is to run with various 3270 models, the cursor position should be within the size of the smallest screen.

**Modules:** DFHPBP, DFHMCX

---

**ABMC**

**Explanation:** DFHTPR or DFHTPP has issued an invalid datastream while processing a basic mapping support (BMS) request.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump in which register 7 indicates the location at which the abend was detected.

**User Response:** Examine the transaction dump for bad data in the TIOA. If the origin of the bad data is an application program, correct the program.

**Modules:** DFHTPP, DFHTPR

---

**ABME**

**Explanation:** DFHTPR or DFHTPP has requested a basic mapping support (BMS) service that was not specified at system generation, or at initialization.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Redefine the value for the length option.

**Module:** DFHPBP

---

**ABMG**

**Explanation:** DFHTPR or DFHTPP has issued a DFHDI TYPE=SEND and has received a return code other than "FUNCERR-REQUEST FOR CHANGE DIRECTION SIGNALED" or "NORESP".

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Correlate services requested against options specified in the system generation of BMS.

**Follow this procedure:**

1. Scan the trace table for the transaction ID that issued the abend. If this is CSPQ (page cleanup), module DFHTPQ abnormally terminated because a message purge delay of zero has been specified and CSPQ has been entered via a terminal. The message purge delay is specified in the PRGDLAY of the DFHSIT macro, and its value can be found in SITPRGD.

2. Scan the trace table for the last BMS request (code 'FA'). Use the option bytes at the start of the failing module to see if the requested functions have been generated. For example, paging may have been requested, but standard or minimum BMS was specified in the SIT.

3. If the BMS request is compatible with the BMS options in the CICS system generation, some incompatible sufficing amongst BMS modules must have occurred. This can happen if the DFHSIT macro specified individual suffixes for the BMS modules.

The following modules differ between standard and full-function BMS:

- DFHMCP DFHRLR DFHPBP DFHTPP

**Modules:** DFHMCP, DFHTPP
Chapter 3. Transaction abend codes

**ABMI**

**Explanation:** The map specified for a BMS input mapping request was not an input map.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Either define another input map or redefine the existing map.

**Modules:** DFHMCP, DFHMCX, DFHMCY

**ABML**

**Explanation:** The terminal control locate routine received invalid data from DFHRLR and returns an error return code. DFHRLR is attempting to scan the TCT for a BMS ROUTE request with LIST=ALL or operator class or operator ID specified in the route list. The terminal control table may have been corrupted.

**Problem Determination:** Register 11 points to the current TCTTE in the search.

The first terminal entry (TCTTE) in the TCT is addressed by TVTTEBA. TCTTETEL is the halfword offset from current TCTTE to the next.

**Analysis:** The current TCTTE address is either not on a full-word boundary or is not within the limits of the TCT, or the address of the next TCTTE, obtained by adding TCTTETEL to the current address, is invalid. This check is made by locate code (DFHZLOC) in DFHZCX.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** The task is abnormally terminated with a CICS dump.

**Description**

<table>
<thead>
<tr>
<th>Register</th>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R11</td>
<td>@TCTTE</td>
<td>Issue DFHTC CTYPE=LOCATE</td>
</tr>
</tbody>
</table>

**ABMO**

**Explanation:** The map specified for a BMS output mapping request was not an output map.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Either define another output map or redefine the existing map.

**Modules:** DFHMCP, DFHMCX, DFHMCY

**ABMQ**

**Explanation:** The query transaction (CQRY) has been initiated and either the task is not terminal-oriented, or the associated terminal is not defined to CICS as a 3270 or SCSPRINT device. This abend will occur if CQRY is entered at a console, even when the console is a 3270 device, since the console has the appearance to CICS of a keyboard/printer device. The CQRY transaction does not have an operator interface, and under normal conditions there is no need for an operator to invoke CQRY or for a user transaction to START the CQRY transaction. CQRY is run automatically by CICS when a 3270 or SCSPRINT device connects. In the transaction dump, register 8 contains the address of the TCTTE for the associated terminal. If register 8 contains zero, this indicates that the task is not terminal-oriented.

**System Action:** The task is abnormally terminated with a CICS dump.

**User Response:** Ensure that the terminal associated with CQRY is of the 3270 or SCSPRINT family of devices.

**Module:** DFHQRY

**ABMR**

**Explanation:** The Page Retrieval transaction (CSPG) has been initiated but the task is not terminal-oriented.

**System Action:** The task is abnormally terminated with a CICS dump.

**User Response:** Ensure that a terminal is associated with the CSPG transaction.

**Module:** DFHTPR

**ABMU**

**Explanation:** The application program supplied an address that is not within region boundaries. The low-order 3 bytes of general register 1 in the transaction dump contain the erroneous address. The high-order byte of register 1 indicates the address type as follows:

- X'01': Title address (TCAMSTA)
- X'02': Alternate I/O area address (TCAMSOA)
- X'03': Map address (TCAMMSMA)
- X'04': Header address (TCAMSHDR)
- X'05': Route list address (TCAMSLRA)
- X'06': Trailer address (TCAMSTRL)
- X'07': Map set address (TCAMMSMA)
- X'08': TIOA address (TCTTEDA)

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the application program that is supplying the erroneous address.
ABMV

**Explanation:** DFHRLR has detected an invalid route list entry.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Check that the route list is correctly built with reserved field in the entry containing blank and a stopper of halfword X'FFFF' to terminate the list.

**Module:** DFHRLR

---

ABMX

**Explanation:** A text string passed to BMS contained a set attribute order that was invalid for one of the following reasons:

1. The set attribute sequence was less than three characters.
2. The attribute type was invalid.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the application program.

**Module:** DFHPBP

---

ABMZ

**Explanation:** The address of the terminal I/O area (TIOA) in TCTTEDA was found to be zero.

When using BMS fast path as a result of an EXEC CICS RECEIVE MAP, DFHEMS always initializes TCTTEDA with the address of the TIOA. If TCTTEDA is subsequently found to be zero by DFHMCX, an overwrite must have occurred.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why TCTTEDA is zero.

Scan the trace table for the last BMS request (code FA) for the failing task and try to determine which user programs have been given control since that BMS request.

**Modules:** DFHMCP, DFHMCX, DFHMCY

---

ABM0

**Explanation:** The map specified for a basic mapping support (BMS) request could not be located.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Check if the map has been defined. If it has, check that it has been specified correctly.

**Modules:** DFHMCP, DFHMCX, DFHMCY

---

ABM1

**Explanation:** A basic mapping support (BMS) service is requested by a task associated with a terminal that is not supported by BMS. The request is not a routing request.

**Problem Determination:** At the time of the abend, register 11 addresses the TCTTE, and TCTTETEA and register 6 address the TCTTE extension, TCTETTE.

**Relevant fields are:**

- **TCTTEDA** the device dependent suffix.
- **TCTEMSS** the map set suffix.

**Analysis:** DFHRLR tests the device dependent suffix and the map set suffix in the TCTTE extension. If both of these are zero, the terminal is not supported by BMS and DFHRLR abends the task with the abend code ABM1.

**Register** | **Label** | **Description**
--- | --- | ---
R4= | RLR5FXCK | TCTEDDS=X'00' and TCTEMSS=X'00'.
\@TCTTTE | The device dependent suffix and the map set suffix have loaded into the lower two bytes of register 3 by the subroutine RLR5UX.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Do not use terminals not supported by BMS for applications using BMS services.

Check the terminal type and model number. Confirm that it is a terminal that is not supported by BMS. A list of terminals supported by BMS is given in the CICS Application Programming Guide. Check that the TCT macro for the terminal accurately describes the physical terminal.

**Module:** DFHRLR

---

AB2

**Explanation:** No user data was supplied for this BMS request. That is, the address of a user data area was not found in either TCTTEDA or TCAMSIOA.

When a BMS macro level output request is issued, the user must have placed the address of the data to be passed to BMS in TCTTEDA or TCAMSIOA before issuing the macro. The choice is made on the following criteria:

- If the data is to be passed in a TIOA by a terminal-oriented task, the address of this TIOA may be placed either at TCTTEDA, or in TCAMSIOA together with the setting of binary zeros set into TCTTEDA.

- If the data is being passed by a terminal-oriented task but not in a TIOA, the address of the TIOA-like area of this data must be placed in TCAMSIOA and binary zeros set into TCTTEDA.

- If the data is being passed by a non-terminal-oriented task, the address of the TIOA-like area of this data must be placed in TCAMSIOA. TCTTEDA cannot be referenced, because there is no TCTE associated with this task.

If a task attempts to pass addresses from both TCTTEDA and TCAMSIOA, the address in TCTTEDA is the one selected.

**Problem Determination:** The output services work area (OSPWA) is addressed by register 9. The TCTTE is addressed by register 11. The TCA is addressed by register 12.

**The relevant fields are:**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSPIND01</td>
<td>OSPWA indicator byte 1</td>
</tr>
<tr>
<td>OSPIOA</td>
<td>Alternate I/O area address</td>
</tr>
<tr>
<td>OSPSIOA</td>
<td>Address of address of data (TCTTEDA/TCAMSIOA)</td>
</tr>
<tr>
<td>OSPTIOA</td>
<td>Address of user data found by BMS</td>
</tr>
<tr>
<td>OSPTR1-8</td>
<td>BMS request data saved from the TCA</td>
</tr>
<tr>
<td>TCTTEDA</td>
<td>Terminal data area address</td>
</tr>
<tr>
<td>TCAFCI</td>
<td>Facility control indicator</td>
</tr>
<tr>
<td>TCAMSIOA</td>
<td>Alternate I/O area address</td>
</tr>
</tbody>
</table>
Analysis: The ABM2 abend is invoked at one point in DFHMCP, at label MCPABEND. There are five regions in DFHMCP in which the user’s data is sought:

<table>
<thead>
<tr>
<th>Labels</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE=MAP</td>
<td>MCPMAP</td>
</tr>
<tr>
<td>TYPE=PAGEBLD,DATA=YES/ONLY</td>
<td>MCPGGBLD</td>
</tr>
<tr>
<td>TYPE=TEXTBLD,DATA=YES/ONLY</td>
<td>MCPGGBLD</td>
</tr>
<tr>
<td>MCPGTIOA</td>
<td></td>
</tr>
</tbody>
</table>

Mapping but not PAGEBLD,DATA=YES/ONLY MCPMAPNG

No (mapping,PAGEBLD,TEXTBLD,PAGEOUT) MCPDFALT

"Mapping" refers to BMS requests that specify maps, that is OSPTR3 bits 5 or 6 or 7 or OSPTR4 bit 3 set on.

Each of these functional regions does a BAL to subroutine MCPFTIOA to search for a user data area. If a valid area (abend ABMU if not) is found, its address is put into OSPTIOA and the address of the data address (of TCAMSIOA or TCTTEDA) is set into OSPSIOA. If a data area is not found, OSPTIOA is cleared and OSPSIOA is now loaded with the address of OSPTIOA as a null data area.

On the BAL return, OSPTIOA is tested for a nonzero value. If it is zero, a branch to MCPABEND is taken.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: The programmer must place the address of the data into TCTTEDA or TCAMSIOA, whichever is appropriate.

Firstly, check that the user has loaded TCTTEDA or TCAMSIOA with the address of the user data, by checking the application listing and the contents of TCTTEDA and/or TCAMSIOA.

Next, check that the BMS request has been correctly decoded by CICS by referring to the OSPWA request bytes (OSPTR1-8) or decoding the last BMS entry in the trace table. See OSPIND01 to check correct decoding of PAGEBLD or TEXTBLD, and TCAFCl bit 7 to identify whether the task is terminal-oriented or not.

At the abend point, register 1 contains the user data address last loaded, and register 4 the address of OSPTIOA as an address of null data.

If a CICS error is suspected, concentrate initially on subroutine MCPFTIOA, because this is a simple piece of code that shows the data-fetch logic. ABM2 condition is trapped early in the CICS decoding of the DFHBMS request and involves module DFHMCP only.

Case/Register | Label | Description
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>R9=00SPWA</td>
<td>MCPMAP</td>
<td>OSPT4 has OSPTRM (X'04') bit set for TYPE=MAP.</td>
</tr>
<tr>
<td>R9=00SPWA</td>
<td>MCPGGBLD</td>
<td>OSPT5 has OSPTR8 (X'80') bit set and BMS sets bit OSPLMBP (X'80') in OSPIND01 for TYPE=PAGEBLD. OSPT4 has X'40', X'80', or X'C0' set for DATA=NO, ONLY, or YES respectively, so should be X'80' or X'C0'.</td>
</tr>
</tbody>
</table>

Module: DFHMCP

Analysis: A BMS input or output request has been issued from a task that is not terminal-oriented.

System Action: The task is abnormally terminated with a CICS dump.

User Response: The task issuing a BMS input or output request must be attached to a terminal.

Module: DFHMCP
ABM4

**Explanation:** An invalid request response has been received to a temporary storage PUT or PUTQ request issued by BMS. The data passed to the temporary storage program has an invalid length.

**Problem Determination:** Abend in DFHMCP (see Analysis)
The OSPWA (output services work area) is in user storage and is printed in a transaction dump. It is addressed by register 8 at the time of the abend. Relevant fields are:

- **OSPTITLE**
- **OSPTTCNT**
- **OSPPLTI**
- **OSPTOTPG**

The message control record (MCR) is an area of user storage obtained by BMS. It is addressed by register 8 at the time of the abend. The first 8 bytes contain storage accounting information. MCRLBB contains the length of the MCR (halfword) abend in DFHTPP.

The page buffer is addressed by register 7 at the time of the abend. It contains storage accounting fields in the first 8 bytes and a halfword length at offset 8 (TSIOAVRL).

In both cases, the temporary storage use map (DFHTSMPAP) is addressed from CSATSATA. TSMAPCOM contains the number of available bytes in a control interval on the temporary storage data set.

**Analysis:** If the temporary storage request preceding the abend is a DFHTS PUT, the abend occurred in DFHMCP. If the temporary storage request preceding the abend is a DFHTS PUTQ, the abend occurred in DFHTPP. If the abend occurred in DFHMCP, DFHMCP is attempting to put the message control record to temporary storage. Check the length of the MCR (MCRLBB). It may be negative.

The length of the MCR is calculated by code following label MCPNODDS and is:

\[ 28 + 21 \times OSPTTCNT + (\text{length of title record}) + (\text{space for page/LDC table, if needed}) \]

The address of the title record is at OSPTITLE and the length is contained in the first halfword. Space for the page/LDC table is required if OSPPLTI is nonzero, which should only occur for messages routed to LDC devices (3600, 3650, 3767, 3770, 3790). The number of entries is in OSPTOTPG. 2 bytes are required per entry.

If the abend occurred in DFHTPP, BMS is attempting to add a page to the temporary storage queue, and the page buffer will not fit in the control interval. TSIOAVRL contains the length of the page buffer.

For messages directed to 3270 devices, the page buffer consists of a 3270 data stream with a 4-byte page control area following it (a 3270 data stream may be larger than the number of characters available on the screen, particularly if extended 3270 attributes are used). For messages directed to other devices, the page buffer consists of a message formatted with NL characters, a 4-byte page control area following it. The length in TSIOAVRL should be less than the length in the preceding storage accounting area, otherwise an error has occurred in constructing the page, possibly in prior BMS requests.

In either of the above cases, if the length of the area being output appears valid, it is necessary to increase the control interval size for the temporary storage data set.

---

**Register** | **Label** | **Description**
---|---|---
DFHMCP | R8=OMCR | MCPMCRST The MCR is too long or has invalid length ($4).
DFHTPP | R7=pgbuf | TPNOGL The page buffer is too large.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Determine from the trace table whether the abend occurred in DFHMCP or DFHTPP.

Check the length of the appropriate area.

If the MCR length is invalid, possible reasons are:

- The title record specified in the TITLE option on a BMS ROUTE request has an invalid format, that is, it does not begin with a halfword length field or is more than 64 characters.
- The message is being routed to more terminals than intended. OSPPTTCNT is very large, for example, if LIST=ALL is specified on a ROUTE request and there are a large number of terminals in the TCT.

If the page buffer length is too large, this may be because more data than intended is being built into the page. If the page buffer length is greater than the length of the storage area indicated in the preceding storage accounting area, an error has occurred in page or text building, and the page buffer extends beyond the area allocated to it (that is, storage violation).

**Modules:** DFHMCP, DFHTPP

---

**ABM5**

**Explanation:** A DFHTS TYPE=PURGE request has been issued with an invalid REQID. This incorrect request was issued by basic mapping support (BMS).

DFHTPR cannot find the terminal identifier for the current terminal in the terminal list in the message control record (MCR).

**Problem Determination:** The TS identifier is built in TCATSDI before the TS purge is issued, although this has probably been overwritten before the dump is taken. The trace table entry for the DFHTS TYPE=PURGE contains the TS identifier in the last 8 bytes.

The OSPWA is addressed by register 9.

OPSTSID temporary storage identifier (8 bytes).

Register 8 points to the MCR.
Register 5 points to the current entry.
Register 0 points to the end of table.
Register 9 points to the TCTTE.

The terminal list starts at MCRIDLST and the terminal identifier is at the start of the terminal entry. Each terminal entry is X'15' bytes long.

**Analysis:** DFHMCP uses the temporary storage identifier in OSPSTSID.

Cannot find the terminal identifier for this terminal in the terminal list in the MCR.
**Register**  
R9=(OSPWA) MCPCKPGS  
**Label**  
MCPCKPGS  
**Description**  
Code builds the temporary storage code in TCATSDI and issues DFHTS TYPE=PURGE macro, specifying IDERROR exit of MCPTSIDE, where the abend is raised.

**Register**  
R8=(MCR) TPRCKID  
**Label**  
TPRCKID  
**Description**  
Code scans terminal list for a terminal entry that has the id of the current terminal, and if it cannot be found, links to TPRSNH to raise the abend.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Check the trace table and find the preceding PUT/PUTQ TS requests. Check whether the identifier for the PUT/PUTQ is the same as that for the PURGE. If it is not, find out how they differ. Check to see if the OSPWA has been corrupted.

This error is very unlikely, as the label indicates (TPRSNH - “Should Not Happen”). DFHTPS has scanned the MCR to identify the terminals to which this message is directed, and has created an AID to initiate CSPG (DFHTPR) at each of them. However, when DFHTPR retrieves the MCR, it cannot find the current terminal identifier in the list of terminals. Presumably the MCR has been corrupted between creation of the AID and dispatching of CSPG at the terminal. Check back through the trace table to find the instance of DFHTPS that built the AID for this terminal (transaction CSPS); it will have issued a TC LOCATE request to verify that the terminal identifier is valid, and this identifier can be seen in the trace entry.

**Modules:** DFHMCP, DFHTPR

---

**ABM6**

**Explanation:** Transaction CSPS, scheduled internally by BMS, has not been installed.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Install the transaction CSPS (Group DFHBMS).

**Module:** DFHMCP

---

**ABM7**

**Explanation:** The trailer specified to be used while building pages of text data is longer than the page.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the application program that issues the request with too long a trailer.

**Module:** DFHPBP

---

**ABM8**

**Explanation:** A BMS text request specified a value for the JUSTIFY option which is zero or too large for the page being built.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the application program that specified too large or zero value for the JUSTIFY option.

**Module:** DFHPBP

---

**ABM9**

**Explanation:** The text data overflow routines have been reentered while text overflow was in process. This condition occurs when the line requirements for the text header and/or trailer exceed the line capacity of the page for which data is being formatted.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Reduce the number of lines required for the header and/or trailer or increase the page size of the terminal.

**Module:** DFHPBP

---

**ABNA**

**Explanation:** No route list was supplied with a route request received from the remote system.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHTPS

---

**ABNB**

**Explanation:** Either the principal facility of the task is not a TCTTE of the correct type, or the task has no principal facility.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Ensure that DFHTPS has not been specified as the initial program of a transaction other than CSPS. Check that the operator did not enter CSPS from the terminal.

**Module:** DFHTPS

---

**ABNC**

**Explanation:** An attempt to access a temporary storage queue failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Ensure that temporary storage is correctly generated.

**Module:** DFHTPS
ABNE

**Explanation:** An error response was received from an invocation of a BMS TYPE=ROUTE or TYPE=STORE request.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check that BMS was correctly generated.

**Module:** DFHTPS

ABNF

**Explanation:** The transaction was not in send mode when it sent data to the remote system.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHTPS

ABNG

**Explanation:** An attach request was received from the remote system without any data indicating the reason for the request.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHTPS

ABNH

**Explanation:** An attempt to ship data to the remote system failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHTPS

ABNI

**Explanation:** CICS could not find a profile for an LU6.2 transaction routing request.

**System Action:** CICS terminates the task abnormally.

**User Response:** Either you have specified an incorrect name in the PROFILE parameter of an EXEC CICS ALLOCATE command, or you have not installed the profile. Correct the error before resubmitting the transaction.

**Module:** DFHTPS

ABNJ

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition provides an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate the reason why the task was purged.

It was purged either by the master terminal operator or as a result of a deadlock timeout.

**Module:** DFHTPS

ABNK

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the related message produced by the domain that detected the original error.

**Module:** DFHTPS

ABRC

**Explanation:** The bridge exit is not defined and could not be autoinstalled.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

**User Response:** Either define the program using RDO or change the program autoinstall exit to allow it to be autoinstalled.

**Modules:** DFHRMS, DFHBRTC

ABRD

**Explanation:** The bridge exit is disabled.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

**User Response:** Identify why the bridge exit is disabled. Enable the bridge exit and retry the action.

**Modules:** DFHRMS, DFHBRTC

ABRE

**Explanation:** The bridge exit could not be loaded.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

**User Response:** Investigate why it cannot be loaded. It may not have been defined in the DFHRPL library.

**Modules:** DFHRMS, DFHBRTC

ABRF

**Explanation:** The bridge exit is defined as remote.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

**User Response:** Define the bridge exit as a local program.

**Modules:** DFHRMS, DFHBRTC
ABRG

**Explanation:** An invalid bridge facility token was specified.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

**User Response:** This error was probably caused by the incorrect data being sent to the bridge exit from the client application.

Ensure that the bridge facility token in the data transmitted by the application is correct.

**Module:** DFHBRXM

ABRH

**Explanation:** The bridge facility token specified is not known to CICS.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

**User Response:** The most likely error is that the client application specified too small a keep time for the bridge facility. Before the client reused the bridge facility token, CICS had already discarded it. Check the bridge facility keep time in the outbound messages. CICS will use the keep time value specified in the last message used by a transaction. Alternatively use the trace or CEDX to look at the keep time in the BRXA passed back on the terminate call to the bridge exit.

Another possible error is that the client application passed a request to a CICS system other than that on which the original request was sent. Bridge facilities are only valid on a single CICS system.

**Module:** DFHBRXM

ABRI

**Explanation:** There are no free bridge facility tokens available. This is probably due to excessive keep time values being specified on the bridge exit termination call.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

**User Response:** Review the keep time values used by the client applications. If some client applications are returning excessive values, modify the bridge exit to specify a limit to the values.

**Module:** DFHBRXM

ABRJ

**Explanation:** An invalid FACILITYLIKE value was specified.

The FACILITYLIKE value can be specified on the bridge exit initialization call. If the default value (blanks) is returned, the value in the user transaction profile definition is used. If no FACILITYLIKE value is specified in the profile definition, a value of CBRF is used.

The name must be that of an installed VTAM 3270 terminal.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

**User Response:** Define the terminal specified by FACILITYLIKE, change the value on the profile definition, change the value supplied by the client application, or install a terminal definition for CBRF.

**Module:** DFHBRXM

ABRK

**Explanation:** The USERID check failed following the call to the bridge exit.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

**User Response:** Enter the correct password. If the password is correct or was not supplied, review the RACF definitions.

**Module:** DFHBRXM

ABRN

**Explanation:** The bridge exit returned a value in BRXA_RESP that is not valid for the command for which it was invoked.

**System Action:** The transaction is backed out.

**User Response:** Change the bridge exit to only return valid response settings.

**Modules:** DFHBRIC, DFHBRMS, DFHBRSP, DFHBRTC

ABRO

**Explanation:** The bridge exit issued an abend.

**System Action:** The transaction is backed out.

**User Response:** Identify why the bridge exit abended.

**Modules:** DFHBRMS, DFHBRTC

ABRR

**Explanation:** The user transaction’s profile could not be found.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The user transaction is not started.

**User Response:** Check that the profile name in the user transaction definition is correct, and that this profile has been defined.

**Module:** DFHBRXM

ABRS

**Explanation:** CICS was unable to obtain storage to create the bridge facility.

**System Action:** The task is abnormally terminated with a CICS transaction dump. The user transaction is not started.

**User Response:** Identify why CICS is running short on storage.

**Module:** DFHBRXM

ABRY

**Explanation:** CICS returned an unexpected error running the bridge exit. This is a CICS internal error.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFHBRMS, DFHBRTC
**ABRX**

**Explanation:** The bridge exit returned invalid data in the BRXA.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** If a user supplied bridge exit was used, review the format of the data returned by the exit.

If a CICS supplied exit was used, this is a CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Modules:** DFHBRIC, DFHBRMS, DFHBRSP, DFHBRTC, DFHXMBR

**ABR3**

**Explanation:** An unsupported BMS request was received by the bridge exit.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** The bridge only supports minimum function BMS and SEND TEXT. This transaction cannot be used in a bridge environment.

**Module:** DFHEMS

**ABSA**

**Explanation:** A message passed to DFHBSMSG is too long. This is a CICS internal error.

**System Action:** CICS terminates the task abnormally with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHTBS

**ABX**

**Explanation:** A next BRMQ vector in the input message passed to the formatter is the wrong type of a RECEIVE vector. RECEIVE and RECEIVE MAP have separate vectors.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** This may just indicate that the transaction has gone down an error path which should result in a transaction rollback. If not, the input message should have a BRMQ vector for this command. Change the client application, recompile and retry.

**Module:** DFH0CBRF

**ABX**

**Explanation:** An error occurred when a SYNCPOINT request was issued by the bridge exit.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check for other CICS messages and exception trace entries to investigate the cause of the SYNCPOINT ROLLBACK error.

**Module:** DFH0CBRE

**ABXG**

**Explanation:** An error was detected by the bridge exit when it tried to input the next message.

**System Action:** An exception trace is made of any error information. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check for other CICS messages and exception trace entries to investigate the cause of the input error.

**Module:** DFH0CBAE,DFH0CBRE,DFH0CBAI

**ABXH**

**Explanation:** The user transaction issued a request which requires more data (such as a RECEIVE request). No data was available in the message, and mqich-conversationaltask was set to mqct-no which specifies that the transaction is non conversational.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** This may be correct behaviour as defined by the client application. If it is not, the client application should either supply additional data, or be redesigned to allow the transaction to be conversational.

**Module:** DFH0CBRF
Chapter 3. Transaction abend codes

ABXI

**Explanation:** A message received by the bridge exit, exceeded the maximum message size.

**System Action:** An exception trace is made of the first 4K of data in error. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check that the client application is passing the correct data. If it is, it will be necessary to change the size of the buffer. This is in field block-length in the sample exit. Recompile and reload the exit and retry.

**Module:** DFH0CBAE,DFH0CBRE

ABXJ

**Explanation:** The bridge exit detected an error in the MQCIH header passed by the client application.

**System Action:** An exception trace is written containing the MQCIH header. The task is abnormally terminated with a CICS transaction dump.

**User Response:** The client application has either not set the MQCIH header, or is using a version of the header which is incompatible with the bridge exit. Correct the client application. Recompile, reload and retry.

**Module:** DFH0CBAE,DFH0CBRE

ABXK

**Explanation:** The bridge exit detected an error in the data passed on the BRDATA parameter of the START command.

**System Action:** An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the transaction which issued the START. Recompile, reload and retry.

**Module:** DFH0CBAE,DFH0CBRE

ABXM

**Explanation:** The bridge exit or formatter was called with a function or command which it doesn't support. This either indicates a storage overwrite, or that the bridge exit is not designed for this command.

**System Action:** An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check the BRXA data in the trace to see if there has been a storage overwrite, or whether the exit supports this command.

**Module:** DFH0CBAE,DFH0CBRE,DFH0CBRF

ABXN

**Explanation:** The formatter detected that the input message was truncated.

**System Action:** An exception trace is made of the first 4K of the message. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check that the transport mechanism allows for messages of this length. If this is correct, it indicates that the client application is issuing an incorrect message. Trace the outbound message on the client application. Recompile, reload and retry.

**Module:** DFH0CBAE,DFH0CBRE,DFH0CBRF

ABXO

**Explanation:** The formatter detected an error in a BRMQ vector passed by the client application.

**System Action:** The field MQCIH-ERROROFFSET is set to indicate the position of the error in the message. An exception trace is made of the MQCIH and BRMQ vector. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the client application. Recompile, reload and retry.

**Module:** DFH0CBRF

ABXP

**Explanation:** The formatter detected an error in a BRMQ vector header passed by the client application.

**System Action:** The field MQCIH-ERROROFFSET is set to indicate the position of the error in the message. An exception trace is made of the MQCIH and BRMQ vector. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the client application. Recompile, reload and retry.

**Module:** DFH0CBRF

ABXQ

**Explanation:** The formatter could not find an ADSD vector as part of the BRMQ-RM vector when MQCIH-ADSDSCREPTOR specified MQCADSD-MSGFORMAT.

**System Action:** An exception trace is made of the request. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the client application. Recompile, reload and retry.

**Module:** DFH0CBRF

ABXS

**Explanation:** An error was detected by the bridge exit when it tried to open the queue for the input or output message.

**System Action:** An exception trace is made of any error information. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check for other CICS messages and exception trace entries to investigate the cause of the open error.

**Module:** DFH0CBRE

ABX1

**Explanation:** The bridge exit or formatter was called with an invalid BRXA-HEADER. This indicates a storage overwrite.

**System Action:** An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump. As CICS also does a check of the BRXA on return from the call to the exit, there will probably be a subsequent ABRZ abend.

**User Response:** Investigate the cause of the storage error, and retry.

**Module:** DFH0CBAE,DFH0CBRE,DFH0CBRF

Chapter 3. Transaction abend codes 821
**ABX2**

**Explanation:** The bridge exit or formatter was called with an invalid BRXA-TRANSACTION-AREA. This indicates a storage overwrite.

**System Action:** An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

As CICS also does a check of the BRXA on return from the call to the exit, there will probably be a subsequent ABRZ abend.

**User Response:** Investigate the cause of the storage error, and retry.

**Module:** DFH0CBAE,DFH0CBRE,DFH0CBRF

**ABX3**

**Explanation:** The bridge exit or formatter was called with an invalid BRXA-COMMAND-AREA. This indicates a storage overwrite.

**System Action:** An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

As CICS also does a check of the BRXA on return from the call to the exit, there will probably be a subsequent ABRZ abend.

**User Response:** Investigate the cause of the storage error, and retry.

**Module:** DFH0CBAE,DFH0CBRE,DFH0CBRF

**ABX5**

**Explanation:** The bridge exit or formatter was called without a user-area. This probably indicates an error in the bridge exit.

**System Action:** An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate the cause of the storage error, and retry.

**Module:** DFH0CBAE,DFH0CBRE,DFH0CBRF

**ABX6**

**Explanation:** The bridge exit or formatter was called with an invalid user-area. This indicates a storage overwrite or an error in the bridge exit.

**System Action:** An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate the cause of the storage error, and retry.

**Module:** DFH0CBAE,DFH0CBRE,DFH0CBRF

**ABX7**

**Explanation:** A TC command passed to the formatter, exceeded the maximum message size.

**System Action:** An exception trace is made of the first 4K of data in error. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check that the user transaction is passing the correct data. If it is, it will be necessary to change the size of the buffer. This is in field block-length in the sample exit. Recompile and reload the exit and retry.

**Module:** DFH0CBRF

**ABX8**

**Explanation:** A next BMS BRMQ vector in the input message passed to the formatter does not contain the mapname requested to answer a RECEIVE MAP request.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** This may just indicate that the transaction has gone down an error path which should result in a transaction backout. If not, the input message should have a BRMQ vector for this mapset. Change the client application, recompile and retry.

**Module:** DFH0CBRF

**ABX9**

**Explanation:** A next BMS BRMQ vector in the input message passed to the formatter does not contain the mapname requested to answer a RECEIVE MAP request.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** This may just indicate that the transaction has gone down an error path which should result in a transaction backout. If not, the input message should have a BRMQ vector for this mapname. Change the client application, recompile and retry.

**Module:** DFH0CBRF

**ACAA**

**Explanation:** This explanation applies to the two transaction abend codes, ACAA and ACAD. CICS cannot find a match for a function code in the language definition table because the parameterized resource definition contains an unrecognized resource type code. The abend code issued depends on the DFHCAP operation that was invoked before the error occurred:

- **Abend** DFHCAP operation
- **ACAA** ANALYZE
- **ACAD** DEFAULTS

The cause of the abend is either:

- The language definition table, DFHEITCU, in the library is invalid for the release of CICS you are running, or
- A CICS logic error has occurred.

**System Action:**

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

**User Response:** Ensure that the DFHEITCU module is in the library and is valid for this release of CICS.

If a valid version of DFHEITCU is already in the library, a CICS logic error has occurred. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCAP

**ACAD**

**Explanation:** See ACAA.

**Module:** DFHCAP
ACAI

Explanation: An internal error has occurred when module DFHCAP was invoked. There was an invalid function code for a domain call to DFHCAP.

System Action: 
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCAP

ACAJ

Explanation: An internal error has occurred when module DFHCAP was invoked while processing an EXEC CICS CREATE command. The preallocated dynamic storage area was too small.

System Action: The transaction executing the EXEC CICS CREATE command is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCAP

ACAM

Explanation: An internal error has occurred when module DFHECBAM was invoked while processing a CBAM transaction.

System Action: CBAM is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHECBAM

ACCx

Explanation: Abend codes with ‘ACC’ as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the C/370 User’s Guide.

ACFA

Explanation: During the loading of a Coupling Facility Data Table by the CFCL transaction, an abend was detected or a domain call returned a response (such as DISASTER) after which normal processing could not continue.

System Action: A message is issued (one of DFHC7100, DFHC7101, DFHC7103 or DFHC7104). Loading of the data table is terminated and CFCL abends.

User Response: If this abend is produced as a result of an abend during loading, message DFHC7103 is issued. If it is a result of a domain call failure, depending on which domain the failure was returned by, one of the messages DFHC7100, DFHC7101 or DFHC7104 is issued. Refer to the description of the message for further information and guidance.

Module: DFHFCDL

ACFB

Explanation: A transaction has issued a request to a coupling facility data table for which it holds an active lock, but after the lock was acquired, the coupling facility data table server for the pool in which this coupling facility data table resides failed and was restarted. This request is of a type which cannot continue against a new instance of the server, because it is reliant on the lock which was acquired before the server failed.

System Action: The requesting transaction abends with a transaction dump.

CICS continues normally.

User Response: Retry the failed transaction.

Module: DFHEIFC

ACFC

Explanation: A transaction has issued a request to a coupling facility data table which was last accessed using a previous instance of the coupling facility data table server (that is, the server for the pool in which this coupling facility data table resides has failed and been restarted one or more times since the last access). We therefore need to reopen the access between this CICS file and the coupling facility data table, but the attempt to reopen access has failed.

System Action: The requesting transaction abends with a transaction dump.

CICS continues normally.

User Response: Retry the failed transaction. If the error continues to occur, issue an explicit close request for the file, followed by an explicit open request.

Module: DFHEIFC

ACFD

Explanation: During the loading of a Coupling Facility Data Table by the CFCL transaction, a call to the CICS Transaction Manager has returned a response (such as DISASTER) after which normal processing could not continue.

System Action: Message DFHF7121 is issued. Loading of the data table is terminated and CFCL abends.

User Response: Refer to the description of the message for further information and guidance.

Module: DFHFCDL

ACFE

Explanation: An attempt was made to attach a transaction specifying DFHFCDL as the program to be given control, but the transaction was not internally attached by CICS.

DFHFCDL is for use by CICS system transaction CFCL. This loads a Coupling Facility Data Table.

System Action: The transaction is abnormally terminated. CICS processing continues.

User Response: Establish why an attempt was made to attach CFCL illegally, or why a transaction definition specified DFHFCDL as the program to be given control.

Module: DFHFCDL
ACHA

**Explanation:** The remote server transaction, CEHS, is not at a compatible level to operate with the CICS/CMS system. This usually indicates that the service levels of CICS/CMS and the remote server are different.

**Problem Determination:** To diagnose a problem with the remote server, it is generally helpful to obtain a trace of the remote server’s activity up to the point of failure.

A remote server trace is obtained by invoking the remote server with the TRACE option, (type CEHS TRACE). The remote server operates as normal but causes entries to be written to a trace log in temporary storage. Note that main storage, not auxiliary, is used for this queue hence large amounts of memory can be used up if this trace is left on for long.

The trace is found in a queue whose name is ‘CEHSxxxx’, where ‘xxxx’ is the four-character terminal identifier. The queue can be browsed in text form or in hexadecimal form using CEBR. To find the terminal identifier, invoke CEBR on the terminal that has run CEHS, without giving a queue name. The queue name will default to ‘CEBRxxxx’, where ‘xxxx’ is the terminal identifier.

**Note:** CEBR requires the queue name to be in UPPER CASE.

For a description of the remote server and its trace entries and abend codes, see the CICS/VS Remote Server Diagnosis Manual (LC33-0438).

**System Action:** CICS terminates the remote server transaction abnormally with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS

ACHB

**Explanation:** The remote server has received a data frame from CICS/CMS that is out of sequence. A frame may have been lost in transmission.

**System Action:** CICS terminates the remote server abnormally with a dump.

**User Response:** Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the ‘Problem Determination’ section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS

ACHC

**Explanation:** The remote server did not receive the expected acknowledgement type data frame from CICS/CMS.

**System Action:** CICS terminates the remote server abnormally with a dump.

**User Response:** Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the ‘Problem Determination’ section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS

ACHI

**Explanation:** The remote server attempted to send one of a series of data frames to CICS/CMS when, at this time, only a single frame is allowed. This indicates a logic error in the remote server.

**System Action:** CICS terminates the remote server abnormally with a dump.

**User Response:** Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the ‘Problem Determination’ section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS

ACHG

**Explanation:** The remote server attempted to send data to CICS/CMS. However, it was not set to the correct mode to do so. This indicates a logic error in the remote server.

**System Action:** CICS terminates the remote server abnormally with a dump.

**User Response:** Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the ‘Problem Determination’ section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS
If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS

<table>
<thead>
<tr>
<th><strong>ACHH</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> A TIOA has not been created from the data received by the remote server from CICS/CMS.</td>
</tr>
<tr>
<td><strong>System Action:</strong> CICS terminates the remote server abnormally with a dump.</td>
</tr>
<tr>
<td><strong>User Response:</strong> Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.</td>
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If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS

<table>
<thead>
<tr>
<th><strong>ACHL</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> CICS/CMS has supplied a buffer to the remote server which is not large enough to hold the reply that the remote server has to return.</td>
</tr>
<tr>
<td><strong>System Action:</strong> CICS terminates the remote server abnormally with a dump.</td>
</tr>
<tr>
<td><strong>User Response:</strong> Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.</td>
</tr>
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</table>

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS

<table>
<thead>
<tr>
<th><strong>ACHM</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> The remote server has tried to receive a response from CICS/CMS which failed repeatedly until the retry limit was exceeded.</td>
</tr>
<tr>
<td><strong>System Action:</strong> CICS terminates the remote server abnormally with a dump.</td>
</tr>
<tr>
<td><strong>User Response:</strong> Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.</td>
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If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS

<table>
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<tr>
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<tr>
<td><strong>Explanation:</strong> The remote server has tried to receive a request from CICS/CMS which failed repeatedly until the retry limit was exceeded.</td>
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<td><strong>System Action:</strong> CICS terminates the remote server abnormally with a dump.</td>
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<td><strong>User Response:</strong> Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.</td>
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If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCHS

<table>
<thead>
<tr>
<th><strong>ACKH</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> The transformer program has requested neither EIP nor DLI to execute the request received from CICS/CMS. This indicates a logic error because the request has to be destined for either EIP or DLI.</td>
</tr>
<tr>
<td><strong>System Action:</strong> CICS terminates the remote server abnormally with a dump.</td>
</tr>
<tr>
<td><strong>User Response:</strong> For further information, see the 'Problem Determination' section for abend code ACHA.</td>
</tr>
</tbody>
</table>

**Module:** DFHCHS

<table>
<thead>
<tr>
<th><strong>ACHO</strong></th>
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<tbody>
<tr>
<td><strong>Explanation:</strong> The remote server has tried to receive a reply from CICS/CMS which failed repeatedly until the retry limit was exceeded.</td>
</tr>
<tr>
<td><strong>System Action:</strong> CICS terminates the remote server abnormally with a dump.</td>
</tr>
<tr>
<td><strong>User Response:</strong> Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.</td>
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</table>

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHCHS

ACHP
Explanation: CICS/CMS has made a request to the remote server for which the reply would need more than the maximum storage allowed (32660 bytes). This indicates that a logic error has occurred.
System Action: CICS terminates the remote server with a dump.
User Response: For further information, see the ‘Problem Determination’ section for abend code ACHA.
Module: DFHCHS

ACHR
Explanation: The CICS/CMS remote server transaction (CEHS) has been initiated and either the task is not terminal-oriented, or the associated terminal is a console.
System Action: CICS abnormally terminates the remote server with a dump.
User Response: Ensure the transaction is initiated with an associated terminal and that the terminal is not defined as a console. For further information, see the ‘Problem Determination’ section for abend code ACHA.
Module: DFHCHS

ACHS
Explanation: The CICS/OS2 remote server transaction (CEHP) has been initiated and either the task is not terminal-oriented, or the associated terminal is a console.
System Action: CICS abnormally terminates the remote server with a dump.
User Response: Ensure the transaction is initiated with an associated terminal and that the terminal is not defined as a console. For further information, see the ‘Problem Determination’ section for abend code ACHA.
Module: DFHCHS

ACL0
Explanation: The new operator failed to allocate storage whilst creating an object. This problem will occur if there is insufficient storage available to the CICS region to satisfy the request.
System Action: CICS abnormally terminates the transaction.
User Response: This abend may occur if you are in a loop creating objects and not deleting them. Alternatively CICS might be short on storage and you should try resubmitting the transaction.
Module: ICCGLBIC

ACL1
Explanation: The CICS Foundation Classes have thrown an exception which the application programmer failed to catch.
System Action: CICS abnormally terminates the transaction.
User Response: Check that you have coded your application to catch exceptions. Interrogate the message object contained within the exception object to establish the cause of the exception being thrown.
Another possible cause of this abend is that you are running a Foundation Classes program on a machine that does not have the C++ runtime installed. Check that your machine has the C++ runtime installed.
Module: ICCGLBIC

ACL2
Explanation: The CICS Foundation Classes invoked the default handleEvent method (defined in class IccResource) in order to handle a CICS condition because the application programmer did not implement his own handleEvent method.
System Action: CICS abnormally terminates the transaction.
User Response: Implement your own handleEvent method or customize your resource objects so they do not call the handleEvent method for any of the possible CICS conditions.
Module: ICCRESEC

ACL3
Explanation: The CICS Foundation Classes responded to an application programmer’s request to abend a CICS task.
System Action: CICS abnormally terminates the transaction.
User Response: The application programmer requested that the CICS Foundation Classes abend the transaction using the appropriate return enumeration from the handleEvent method (see IccResource class).
Module: ICCRESEC

ACL4
Explanation: The CICS Foundation Classes detected an internal error.
System Action: CICS abnormally terminates the transaction.
User Response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.
Module: ICCGLBIC

ACL5
Explanation: The CICS Foundation Classes received an error from a CICS storage request (GETMAIN). In response to a new operator request the CICS Foundation Classes issued a CICS GETMAIN request to allocate storage which CICS was unable to satisfy.
System Action: CICS abnormally terminates the transaction.
User Response: This abend may occur if you are in a loop creating objects and not deleting them. Alternatively CICS might be short on storage and you should try resubmitting the transaction.
Module: ICCBASEC

ACL6
Explanation: The CICS Foundation Classes detected an error while processing a storage release request.
System Action: CICS abnormally terminates the transaction.
User Response: This abend can occur if you try to delete an object that does not exist (that is, it has already been deleted). It may also indicate a CICS memory management problem, or a storage corruption problem. If the error persists, please contact your support organization.
Module: ICCBASEC
Explanation: The CICS Foundation Classes have thrown an exception which the application programmer failed to catch.

System Action: CICS abnormally terminates the transaction.

User Response: Check that you have coded your application to catch exceptions. Interrogate the message object contained within the exception object to establish the cause of the exception being thrown.

Another possible cause of this abend is that you are running a Foundation Classes program on a machine that does not have the C++ runtime installed. Check that your machine has the C++ runtime installed.

Module: ICCGLBIC

Explanation: The CICS Foundation Classes have thrown an exception which the application programmer failed to catch.

System Action: CICS abnormally terminates the transaction.

User Response: Check that you have coded your application to catch exceptions. Interrogate the message object contained within the exception object to establish the cause of the exception being thrown.

Another possible cause of this abend is that you are running a Foundation Classes program on a machine that does not have the C++ runtime installed. Check that your machine has the C++ runtime installed.

Module: ICCGLBIC

Explanation: The CICS Foundation Classes responded to an application programmer's request to abend a CICS task.

System Action: CICS abnormally terminates the transaction.

User Response: A resource object was customized to cause a transaction abend if a particular CICS condition was raised, and this condition was subsequently raised by CICS.

Module: ICCRESIC

Explanation: The CICS Foundation Classes detected an internal error.

System Action: CICS abnormally terminates the transaction.

User Response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.

Module: ICCGLIBC

Explanation: The CICS Foundation Classes detected an internal error.

System Action: CICS abnormally terminates the transaction.

User Response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.

Module: ICCGLIBC

Explanation: The CICS Foundation Classes detected an error while processing a storage release request.

System Action: CICS abnormally terminates the transaction.

User Response: This abend can occur if you try to delete an object that does not exist (that is, it has already been deleted). It may also indicate a CICS memory management problem, or a storage corruption problem. If the error persists, please contact your support organization.

Module: ICCBASEC
ACNA

**Explanation:** The table DFHCNV cannot be loaded. This is a general purpose abend code indicating that the LOAD request for the conversion table, DFHCNV, has failed.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Examine the transaction dump to determine the exact condition returned from LOAD request.

**Module:** DFHCCNV

---

ACNB

**Explanation:** The program DFHUCNV cannot be linked. This is a general purpose abend code indicating that the LINK request for the conversion program DFHUCNV, has failed.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Examine the transaction dump to determine the exact condition returned from LINK request.

**Module:** DFHCCNV

---

ACN1

**Explanation:** The table DFHCNV cannot be loaded. This is probably because a table has not been pregenerated. It could also occur if the table DFHCNV has been linked above 16MB but DFHCNV has been linked below 16MB.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Check that the DFHCNV module is in the library and is valid for this release of CICS. Check the linkage of DFHCNV and relink it with the correct AMODE if necessary.

**Module:** DFHCCNV

---

ACN2

**Explanation:** The table DFHCNV has been loaded but the first record is in the wrong format. This is probably due to an error during assembly or linkedit, but could also be the result of a storage overwrite.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** The table should be reassembled and linked. Check the assemble and linkedit output. Check for any messages issued from CICS indicating that storage overwrites have occurred.

**Module:** DFHCCNV

---

ACN3

**Explanation:** The program DFHUCNV cannot be linked. A user conversion program must be available (even if it only returns).

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Check that the DFHUCNV module is in the library and is valid for this release of CICS. Check the linkage of DFHUCNV and relink it with the correct AMODE if necessary.

**Module:** DFHCCNV

---

ACN4

**Explanation:** An unrecognized format of a DFHCNV table has been encountered.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Re-assemble and re-link edit the DFHCNV macro.

**Module:** DFHCCNV

---

ACN5

**Explanation:** An override for the default client code page has been received; however the value is not recognized.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Check that the client system is using one of the client code pages supported by CICS/390.

**Module:** DFHCCNV

---

ACN6

**Explanation:** The conversion between client code page and server code page is not supported by CICS/390; for example conversion has been requested between Japanese code page 932 and Latin-1 code page 500.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Ensure that the Client codepage, both default and overrides are in the same group as the Server codepage. For example client code page 852 from Latin-2 group, is only supported to server code page 870.

**Module:** DFHCCNV

---

ACN7

**Explanation:** An override for the default binary format has been received; however the value is not recognized.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Data formats should be either S/370 or INTEL, anything else is unsupported by CICS/390.

**Module:** DFHCCNV

---

ACN8

**Explanation:** CICS data conversion is processing a FIELD defined as containing GRAPHIC characters (which are only DBCS):

```plaintext
DFHCNV TYPE=FIELD,DATATYP=GRAPHIC,...
```

However the client code page (defined in the CLINTCP operand), and the server code page (defined in the SRVERCP operand) imply that the FIELD contains only SBCS characters, for example

```plaintext
DFHCNV TYPE=ENTRY,CLINTCP=437,SRVERCP=037
```

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Correct the FIELD definition.

**Module:** DFHCCNV
ACN9

Explanation: The table DFHCNV cannot be loaded. This abend code is issued following a NOTAUTH condition being raised during loading of the DFHCNV table.
System Action: The transaction is abnormally terminated with a transaction dump.
User Response: Ensure the resource security definitions are correct.
Module: DFHCNNV

ACP1

Explanation: DFHIC TYPE=GET response code is other than the normal response during print key processing.
System Action: The transaction is abnormally terminated with a CICS transaction dump. The keyboard of the terminal on which the print key was depressed remains locked to indicate the failure of the operation.
User Response: Analyze the dump. The response code is in the low order byte of register 0.
Module: DFHCPY

ACP2

Explanation: DFHIC TYPE=INITIATE response code is other than the normal response during print key processing.
System Action: The transaction is abnormally terminated with a CICS transaction dump. The keyboard of the terminal on which the print key was depressed remains locked to indicate the failure of the operation.
User Response: Analyze the dump. The response code is in low order byte of register 0.
Module: DFHCPY

ACQA

Explanation: The Connection Quiesce Protocol transaction has been initiated by user action, such as a START command or by typing the transaction identifier at a terminal. The transaction is not intended to be initiated in this way.
System Action:
1. If the transaction was not initiated by terminal input, message DFHZC4951 is written to destination CSNE.
2. An exception trace record is written to all active trace destinations.
3. The transaction is abnormally terminated with a CICS transaction dump.
User Response: Determine what caused the transaction to be initiated. The exception trace record contains information which will help you.
Module: DFHCPY

ACQB

Explanation: The Connection Quiesce Protocol transaction has encountered an error when communicating with another system on an APPC session.
System Action:
1. Message DFHZC4951 is written to destination CSNE.
2. An exception trace record is written to all active trace destinations.
3. The transaction is abnormally terminated with a CICS transaction dump.
User Response: Determine what caused the failure. A likely cause is a failure of the session with the partner system.
Module: DFHCLS5

ACQC

Explanation: The Connection Quiesce Protocol transaction has encountered an unexpected error.
System Action:
1. Message DFHZC4951 is written to destination CSNE.
2. An exception trace record is written to all active trace destinations.
3. The transaction is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHCLS5

ACRA

Explanation: The relay program has been invoked without a terminal as its principal facility.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Ensure that DFHAPRT has not been specified as the initial program of a task that is not terminal-related.
Module: DFHAPRT

ACRB

Explanation: The relay program has been invoked by a transaction that is not defined as remote.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Check that the relay program is defined correctly. Determine why DFHAPRT was invoked if the transaction is not a remote transaction.
Module: DFHAPRT

ACRC

Explanation: The relay program received an invalid response from DFHZCX.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHAPRT
ACRD

Module: DFHAPRT

Explanation: The system entry for the system to which routing is to be performed could not be found.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the installed transaction definition to confirm that the system was correctly specified. Check that the system entry is defined in the TCT.

Module: DFHAPRT

ACRE

Explanation: A transaction invoked from an APPC terminal and specified in the installed transaction definition as remote has abnormally terminated because the link is out of service.

System Action: The task is abnormally terminated.

User Response: Wait until the link is available. The CICS supplied transaction CEMT INQUIRE CONNECTION can be used to check the states of the links.

Module: DFHAPRT

ACRF

Explanation: The relay program received a nonzero return code from the dynamic router following its first invocation.

System Action: The task is abnormally terminated.

User Response: Use the dump to determine why the dynamic routing program has failed by checking the contents of the passed COMMAREA DFHDYE for correctness. The COMMAREA address can be found from field TCACOMM in the system TCA for the task. The COMMAREA fields are mapped via the DFHDYPDS DSECT.

Module: DFHAPRT

ACRG

Explanation: An ATI initiated remote transaction defined with DYNAMIC(YES) has failed because there is no matching entry in the AID chain.

System Action: The task is abnormally terminated with a CICS system dump.

User Response: The dump can be used to help ascertain the mismatch. Check the transactions listed in the TCTTE and PCT fields of the system dump against the AID chain.

Module: DFHAPRT

ACRH

Explanation: The profile for the session that will carry intersystem flows during transaction routing could not be found.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the installed transaction definition to confirm that TRPROF is correctly specified.

Module: DFHAPRT

ACRI

Explanation: An error occurred when attempting to link to the dynamic routing program.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

A message in the range DFHRT4417 to DFHRT4420 is written to the CSMT log.

User Response: Refer to the message sent to the CSMT log. It identifies the cause of the link failure and provides further user guidance.

Modules: DFHAPRT, DFHEPC

ACRJ

Explanation: An abend has occurred in the dynamic routing program after a link has been executed from DFHAPRT or DFHEPC.

System Action: The transaction is abnormally terminated with a CICS transaction dump. Message DFHRT4416 is written to the CSMT log.

User Response: Refer to message DFHRT4416. It identifies the abend in the dynamic routing program and provides further user guidance.

Modules: DFHAPRT, DFHEPC

ACRK

Explanation: The relay program has been invoked with no address for the principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRT

ACRL

Explanation: The task does not own the facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAPRT
ACRM

Explanation: In response to a request from the dynamic routing program, DFHAPRT has attempted an INITIAL_LINK to a program that is not the initial program of the transaction for which the dynamic router has been invoked. The attempt has failed.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Examine the following possibilities:
- The autoinstall user-replaceable module (URM) was called but is unable to do the autoinstall.
- The autoinstall URM was called but data supplied by the autoinstall URM is invalid.
- The autoinstall URM was called, but there is no processing program table (PPT) entry for the autoinstall model.
- There is a problem with the autoinstall URM.
- There is no PPT entry for the program, and either autoinstall is not active or the autoinstall URM indicated that the program should not be autoinstalled.
- The program is disabled.
- The program cannot be loaded.
- The program is defined as remote.

Module: DFHAPRT

ACSA

Explanation: The remote scheduler task (CRSR) does not own an intersystem link TCTTE as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that DFHCRS is not specified as the initial program of a task other than CRSR. Check that the terminal operator did not enter CRSR.

Module: DFHCRS

ACSB

Explanation: An unexpected reply was received from a remote system in response to a request to schedule a task on that system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRS

ACSC

Explanation: An unexpected request was received from a remote system when expecting a request to schedule a task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRS

ACSD

Explanation: An internal logic error has been detected.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRS

ACSE

Explanation: Module DFHCRS has been attached in an unsupported manner.

System Action: CICS abnormally terminates the transaction with a transaction dump.

User Response: Module DFHCRS should be executed only by transaction CRSR, which executes with an MRO session, an LU6.1 session or an LU type 6.2 conversation as its principal facility. Ensure that the transaction is being attached by a CRSR transaction in the connected system, and not by a user transaction. If the transaction is being attached by a CRSR transaction, you will need assistance from IBM to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRS
ACSF
Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detects the purged condition provides an exception trace.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of a deadlock timeout.
Module: DFHCRS

ACSG
Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Please see the related error message produced by the domain that detected the original error.
Module: DFHCRS

ACSH
Explanation: The processing of APPC mapped data requires the generation of an LU6.2 attach FMH with default values. In particular, the sync level requested is defaulted to 2. However, the session that is to be used has been bound with a sync level of 1.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Check that:
- The entry in the TCT for the remote system has been defined with parallel sessions
- The remote system can support a sync level of 2
- The correct sync level has been requested.
Module: DFHCRS

ACSI
Explanation: An APPC conversation failure occurred when an attach between CICS systems was issued.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Check the connection to the remote CICS system and try to reestablish it.
Module: DFHCRS

ACSJ
Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table). This failure is either the result of a task purge, or a CICS logic error.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: See the related diagnostic material produced by the recovery manager domain and determine the reason for the failure.
In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.
Module: DFHCRS

ACSL
Explanation: CICS has been unable to attach a transaction to perform a mass flag (CFTS) or mass remote delete (CDTS) request.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.
Module: DFHCRS

ACSM
Explanation: Transaction CFTS has abended. The mass flagging of terminals for deletion has failed.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.
Module: DFHCRS

ACSN
Explanation: Transaction CFTS has stalled. The mass flagging of terminals for deletion has exceeded the expected time and is therefore assumed to have failed.
System Action: The task is abnormally terminated with a CICS transaction dump. A flag is set in the remote work element (RWE) to indicate that the mainline transaction has assumed that CFTS has failed.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.
Module: DFHCRS

ACTA
Explanation: The relay program running in the terminal-owning region has received an unexpected request from the application owning region. The request received is in violation of CICS transaction routing protocols. The request will be in the DFHLUCDS DSECT in DFHZTSP’s LIFO – field LUCOPN0
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.
Module: DFHCRS

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**ACTB**

**Explanation:** The relay program running in the terminal-owning region issued a terminal control WRITE,LAST request to the application-owning system, and received a nonzero return code from terminal control.

This is the usual return code from terminal control in TCATPAPR.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Use the transaction dump to determine why terminal control was unable to process the request.

**Module:** DFHZTSP

---

**ACTC**

**Explanation:** The relay program running in the terminal-owning region issued a terminal control request to free its session to the application-owning system, and received a nonzero return code from terminal control.

This is the usual return code from terminal control in TCATPAPR.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Use the transaction dump to determine why terminal control was unable to process the request.

**Module:** DFHZTSP

---

**ACTD**

**Explanation:** The relay program running in the terminal-owning region issued a terminal control WRITE,WAIT,READ request to the application-owning system, and received a nonzero return code from terminal control.

This is the usual return code from terminal control in TCATPAPR.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Use the transaction dump to determine why terminal control was unable to process the request.

**Module:** DFHZTSP

---

**ACTE**

**Explanation:** The relay program running in the terminal-owning region attempted to free its session with the APPC terminal, and received a nonzero return code from terminal control.

The return code will be in the DFHLUCDS DSECT in DFHZTSP's LIFO field, LUCRCODE.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed.

**Module:** DFHZTSP

---

**ACTF**

**Explanation:** The relay program running in the terminal-owning region issued a terminal control request to free its session to the application-owning system, and received a nonzero return code from terminal control.

This return code can be found in the TCA field, TCATPAPR.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Use the transaction dump to determine why terminal control was unable to process the request. The transaction on the application-owning region may have abnormally terminated or the session may have failed.

**Module:** DFHZTSP

---

**ACTG**

**Explanation:** The relay program running in the terminal-owning region issued a request to attach a transaction in the application-owning region, but the response received from that region was invalid.

The return code in the TCA (field TCATPAPR) will be nonzero, and either there will be no TIOA (field TCTTEDA in the TCTTE is zero) or there will be no FMH7 at the start of the TIOA.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Use the transaction dump to determine why terminal control was unable to process the request. The transaction on the application-owning region may have abnormally terminated or the session may have failed.

**Module:** DFHZTSP

---

**ACTH**

**Explanation:** A privileged allocate was issued against a remote LU 6.2 system.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZISP

---

**ACTI**

**Explanation:** The relay transaction has an ISC or MRO session as its principal facility. However the TCTTE for that session is not owned by the task.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRT
**ACTJ**

**Explanation:** The principal facility of the relay transaction is not a TCTTE.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Task CXRT should only be started in a terminal-owning region by an ALLOCATE request issued in an application-owning region against a remote APPC device. The principal facility of the task should be an ISC or MRO link. Check that your CICS system is defined in such a way that this will always be the case. Also ensure that program DFHCRT is started only by task CXRT.

**Module:** DFHCRT

---

**ACTK**

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate the reason why the task was purged. It was either purged by the master terminal operator or as a result of a deadlock timeout.

**Module:** DFHZISP

---

**ACTL**

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the related message produced by the domain that detected the original error.

**Module:** DFHZISP

---

**ACUA**

**Explanation:** DFHZXRL was called with a request which is not supported for transaction routing.

The request is located in the DFHLUC parameter list which is printed in the exception trace. DFHZXRL is called from DFHZARL, which will put details of the request in its trace entry.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZXRL

---

**ACUB**

**Explanation:** The parameter list passed to DFHZXRL for an ALLOCATE request does not contain the TCTSE address of a remote APPC terminal.

The TCTSE address is located in the DFHLUC parameter list which is printed in the exception trace. DFHZXRL is called from DFHZARL, which will put details of the request in its trace entry.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZXRL

---

**ACUC**

**Explanation:** The TCTSE address passed to DFHZXRL is not that of a remote LU 6.2 terminal.

The TCTSE address is located in the DFHLUC parameter list which is printed in the exception trace. DFHZXRL is called from DFHZARL, which will put details of the request in its trace entry.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZXRL

---

**ACUD**

**Explanation:** The profile DFHCICSR could not be located as an installed profile definition.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** Check that the IBM-supplied profile DFHCICSR is correctly defined and installed to CICS.

**Module:** DFHZXRL

---

**ACUE**

**Explanation:** A request to DFHZTSP to build a surrogate TCTTE was not satisfied.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZXRL

---

**ACUF**

**Explanation:** A session between the application-owning region and the terminal-owning region was not allocated because the request was incorrectly specified.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZXRL
ACUG

**Explanation:** A request to allocate a session between the application-owning region and the terminal-owning region failed. The return code from the ALLOCATE request indicated that the profile could not be located as an installed transaction definition, although an earlier attempt to locate it was successful.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZXRL

ACUH

**Explanation:** A request to allocate a session between the application-owning region and the terminal-owning region failed. The return code from the ALLOCATE request indicated that the requested session is already owned by the TCA.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZXRL

ACUI

**Explanation:** An ISC session between the application-owning region and the terminal-owning region was not allocated because the MODENAME named in the profile could not be found. The profile DFHCICSR as supplied by IBM does not specify a MODENAME. Therefore, this error will occur when a MODENAME has been added to the IBM-supplied profile, but that MODENAME is not defined in the SESSIONS definition for the terminal-owning region.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** Ensure that the MODENAME specified in profile DFHCICSR was also specified when defining the SESSIONS to the terminal-owning region.

**Module:** DFHZXRL

ACUJ

**Explanation:** A session between the application-owning region and the terminal-owning region was not allocated because the maximum session count for the mode group specified in profile DFHCICSR is zero.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** Use the CEMT transaction to set sessions in the required mode group available for use.

**Module:** DFHZXRL

ACUK

**Explanation:** No TCT entry was found for the terminal-owning region specified in the TCTSE for the remote terminal.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** Ensure that the terminal-owning region defined in the remote system entry is also defined with a system entry in the TCT.

**Module:** DFHZXRL

ACUL

**Note:** The description of this abend also applies to ACUX and ACUZ.

**Explanation:** The transaction routing program in the application-owning region issued a terminal control WRITE, WAIT, READ request to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:
- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

**Module:** DFHZXRL

ACUM

**Explanation:** A request to DFHZTSP to free a surrogate TCTTE was not satisfied.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZXRL

ACUO

**Note:** The description of this abend also applies to ACUQ, ACUS and ACU1.

**Explanation:** A terminal control READ request has failed. The transaction routing program in the application-owning region attempted to receive data from the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:
- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
The session has failed.

**Explanation:** The transaction routing program in the application-owning region did not receive a rollback from the terminal-owning region. This violates CICS transaction routing protocols.

The trace from the terminal-owning region will show its response to the application-owning region.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZXRL

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**Note:** The description of this abend also applies to ACUR.

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**Explanation:** Refer to the description of abend ACUO.

**Module:** DFHZXRL

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**Explanation:** Refer to the description of abend ACUP.

**Module:** DFHZXRL

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**Explanation:** Refer to the description of abend ACUO.

**Module:** DFHZXRL

---

**Explanation:** The transaction routing program in the application-owning region issued a terminal control ISSUE ERROR request on an MRO link to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

**Module:** DFHZXRL

---

**Explanation:** The transaction routing program in the application-owning region issued a terminal control WRITE, WAIT request to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

**Module:** DFHZXRL

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**Explanation:** Refer to the description of abend ACUL.

**Module:** DFHZXRL

---

**Explanation:** Refer to the description of abend ACUL.

**Module:** DFHZXRL

---

**Explanation:** The transaction routing program in the application-owning region issued a terminal control ISSUE ABEND request on an MRO link to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

**Module:** DFHZXRL

---

**Explanation:** Refer to the description of abend ACUL.

**Module:** DFHZXRL
ACU0

Explanation: The transaction routing program in the application-owning region issued a terminal control WRITE, LAST, WAIT request to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACU1

Explanation: Refer to the description of abend ACU0.

Module: DFHZXRL

ACU2

Explanation: The transaction routing program in the application-owning region received a response from the terminal-owning region which violates CICS transaction routing protocols.

The trace from the terminal-owning region will show its response to the application-owning region.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACU3

Explanation: The transaction routing program in the application-owning region attempted to set the conversation state machine to a state which violates CICS transaction routing protocols.

The register containing the state can be determined from the assembler listing.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACU4

Explanation: The transaction routing program in the application-owning region issued a SET request to the conversation state machine and received a nonzero return code. This violates CICS transaction routing protocols.

The trace entry on return from DFHZUSR will show the request type and current state.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACU5

Explanation: An program running in an application-owning region has issued an ALLOCATE against an APPC device attached to a terminal owning region, but the connection between the two systems is not installed.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Install the connection between the two regions.

Module: DFHZXRL

ACU6

Explanation: A request to DFHRTSU to prepare the surrogate TCTTE for syncpoint gave an unexpected response and reason code. The response and reason code are included in DFHRTSU's parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACU7

Explanation: A request to allocate a session between the application-owning region and the terminal-owning region was issued, but the connection with the remote system is not an APPC or MRO connection.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Redefine the connection as APPC or MRO, or avoid using transaction routing on this connection.

Module: DFHZXRL

ACU8

Explanation: A request to DFHRTSU to get the recovery status of a surrogate TCTTE gave an unexpected response and reason code. The response and reason code are included in DFHRTSU's parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
ACU9

Explanation: A request to recovery manager to set the recovery status of a link gave an unexpected response and reason code. The response and reason code are included in DFHRMLN's parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACV

Explanation: The transaction routing program in the terminal-owning region issued a terminal control WRITE, WAIT, READ request to the application-owning region, and received a nonzero return code from terminal control. The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:
- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVA

Explanation: The transaction routing program in the terminal-owning region attempted to issue an ISSUE SIGNAL request on an MRO link to the application-owning region. This violates CICS transaction routing protocols.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRL

ACVB

Explanation: The transaction routing program in the terminal-owning region attempted to issue an ISSUE SIGNAL request on an MRO link to the application-owning region. This violates CICS transaction routing protocols.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZXRT

ACVC

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE SIGNAL request on an LU 6.2 link to the application-owning region, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:
- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVE

Explanation: The transaction routing program in the terminal-owning region issued a WRITE, LAST, WAIT request to the application-owning region, and received a nonzero return code from terminal control. The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:
- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVF

Explanation: The transaction routing program in the terminal-owning region issued a WRITE, LAST, WAIT request to the application-owning region, and received a nonzero return code from terminal control. The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:
- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT
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ACVG

Explanation: The transaction routing program in the terminal-owning region issued a FREE request to free the session with the LU 6.2 terminal, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed.

Module: DFHZXRT

ACVH

Explanation: The transaction routing program in the terminal-owning region issued a FREE request to free the session with the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVK

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE ABEND request on an LU 6.2 link, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the connected region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVL

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE ABEND request on an MRO link to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine whether the problem is caused by the return code or the response. If terminal control was unable to process the request, the abend may occur when:
The program in the connected region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.

Otherwise the distributed application programs may have violated APPC conversation protocols.

**Module:** DFHZXRT

**Explanation:** The transaction routing program in the terminal-owning region did not receive an FMH43 from the application-owning region. This violates CICS transaction routing protocols.

The trace from the application-owning region will show its response to the terminal-owning region.

**System Action:** The task is abnormally terminated with a transaction dump and an exception trace entry.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCXCU

**Explanation:** The catch-up transaction, CXCU, has failed. CXCU runs either in response to a transaction request from an end-user, or is run automatically by an active CICS system in response to the appearance of an alternative CICS system. Its purpose is to inform the alternate system of the active system's state regarding terminals and DBCTL connection.

**System Action:** The catch-up transaction, CXCU, is abnormally terminated with a CICS transaction dump. Both active and alternate CICS systems continue, but the alternate CICS system is less effective in the event of a takeover. For example, terminal back-up sessions may not be established. This abend is accompanied by DFHDX8313.

**User Response:** Retry by entering 'CXCU' from a terminal. If the error persists, diagnose the problem from the dump.

**Module:** DFHDLIDP

**Explanation:** This abend occurs if DBCTL has notified CICS that a task has issued a DL/I request, but it did not have a PSB scheduled. If your application does have a PSB scheduled then a possible cause for this abend is that the DBCTL STOP THREAD command may have been used to terminate the DBCTL thread that corresponds to this task.

**System Action:** CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

**User Response:** Check if the DBCTL operator has issued a STOP THREAD command for the task that has abnormally terminated. Look up DBCTL response code 28 in the DBCTL return code section of the *IMS Messages and Codes* manual.

**Module:** DFHDLIDP
Module: DFHDLIDP

**ADCD**

**Explanation:** This abend occurs when a deadlock has been detected by IMS and this transaction has been selected for abnormal termination.

This abend can occur when a transaction is accessing IMS resources via DBCTL or via a remote DLI request to a remote CICS region. The remote CICS region can be accessing IMS via DBCTL, or if it is a pre CICS 4.2 region, accessing IMS via local DLI.

**System Action:** CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

**User Response:** If ADCD abends occur infrequently in your system, no action is required although you may like to consider setting your system up in such a way that, after an ADCD abend is issued, the transaction is automatically restarted. See the CICS Recovery and Restart Guide for further information.

If ADCD abends are occurring frequently in your system, you may need to review the design of your applications. Some general techniques for deadlock avoidance are described in the CICS Recovery and Restart Guide.

**Module:** DFHDLIDP

Module: DFHDLIDP

**ADCJ**

**Explanation:** This abend is issued when an application has been using DBCTL, and while the application was still scheduled to DBCTL, the CICS-DBCTL interface was terminated.

**System Action:** CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

**User Response:** Check the CDBC transient data destination for messages indicating the reason for termination of the CICS-DBCTL interface. If you do not know where the CDBC transient is, then please check with your system programmer. Check for messages issued from the DBCTL system.

**Module:** DFHDLIDP

Module: DFHDLIDP

**ADCP**

**Explanation:** When checking the DBCTL program specification block (PSB), the external security manager checked the usage of the PSB, and found that:

- The user was unauthorized to access the PSB, or
- The PSB was unknown to the external security manager, or
- The user was set to the capability of the default user.

The meaning of the term “user” in the above context depends on the way the transaction was invoked.

- If the transaction is being run from a local terminal, or has been routed from a remote terminal, the user is the terminal user. (For a routed transaction, if PSBCHK=NO is specified in the SIT, or RESSEC=NO is specified in the transaction definition (CEDA DEFINE TRANSACTION command), the security manager does not check the terminal user.)
- If the transaction is being run as a result of a request from another CICS MRO region, the user is the owner of the other CICS system (as defined to the external security manager in the JOB statement of the initializing JCL).
- If the transaction is being run as a result of a request from a connected ISC system, the user is defined in the SECURITYNAME operand of the installed CONNECTION definition that defines the link between the remote system and the local system. Ensure that the name in the SECURITYNAME operand is the same as that supplied by the connected CICS system. This will depend upon the type of CONNECTION between the two systems. For further information about this, refer to the CICS Intercommunication Guide.

**Notes.**

By the above definitions, a PSB used by a routed transaction has two users, the terminal user and the communicating region. Therefore, for routed transactions, the external security manager makes two checks, on the terminal user (as qualified in 1 above), and on the communicating region (2 or 3 above).

**System Action:** CICS abnormally terminates the task attempting to schedule the PSB. CICS processing continues.

**User Response:** Ensure that the PSB is defined to the external security manager, and that all users have the correct level of authorization. If the system setup is correct, note the security violation.

**Module:** DFHDLIDP
ADCQ

**Explanation:** This abend occurs when an application has issued an EXEC DLI SCHD request for a PSB that contains no DBPCBs, and the SYSSERVE keyword was not specified. This abend also occurs when an application has issued a PCB request for a PSB that contains no DBPCBs, and the IOPCB option was not specified.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Check that the application program has scheduled the appropriate PSB.

**Module:** DFHDLIDP

ADCR

**Explanation:** This abend occurs when an application has issued a DLI request other than a schedule request, and the DBCTL DRA return code of 40 indicates that there was no active communication with DBCTL.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Check the CDBC transient data destination for messages indicating the reason for termination of the CICS-DBCTL interface. If you do not know where the CDBC transient data destination is, check with your system programmer. Check for messages issued from the DBCTL system.

**Module:** DFHDLIDP

ADCS

**Explanation:** CICS issued a single-phase commit request to DBCTL and an unexpected response was returned from DBCTL.

**System Action:** CICS issues message DFHDBB8119 to transient data queue CDBC, then terminates the task abnormally with a CICS transaction dump.

**User Response:** Message DFHDBB8119 shows the unexpected response from DBCTL, along with the recovery token of the LUW involved. The explanation of message DFHDBB8119 indicates how the outcome of the LUW can be determined.

**Module:** DFHDBAT

ADCT

**Explanation:** A user has attempted to invoke the CICS-DBCTL control transaction from a terminal.

**System Action:** CICS rejects the request.

**User Response:** Do not try to invoke CICS internal transactions directly.

**Module:** DFHDBCT

# APAR PQ32019

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# ADCV

# **Explanation:** The connection to DBCTL was terminated and then re-established. The failing task had issued a schedule request against an earlier run of DBCTL and is therefore no longer scheduled.

# **System Action:** CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

# **User Response:** No action is required, although you may like to consider setting your system up in such a way that, after an abend ADCV is issued, the transaction is automatically restarted.

# **Module:** DFHDLIDP

ADD

**Explanation:** An error (INVALID or DISASTER response) has occurred on a call to the catalog (CC) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

**User Response:** See related message from the domain that detected the original error.

**Modules:** DFHDBME, DFHDLI, DFHDLIDP

ADDC

**Explanation:** An error (INVALID or DISASTER response) has occurred on a call to the loader (LD) domain. The domain that detected the original error will have provided an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

**User Response:** See related message from the domain that detected the original error.

**Modules:** DFHDBCON, DFHDBDSC

ADDI

**Explanation:** CICS has been notified of a DBCTL failure. However, it has been unable to complete the search for a DBCTL alternate. This is possibly due to an unexpected return code from an IEFSSREQ request.

**System Action:** A CICS transaction dump is produced. CICS continues as if no XRF DBCTL alternate has been found. This abend is accompanied by message DFHDX8323.

**User Response:** Refer to message DFHDX8323 for further information. It may be necessary to restart DBCTL manually.

**Module:** DFHDBCT

ADDI
ADDJ
Explanation: CICS has failed to connect to DBCTL because program DFHDBAT could not be ENABLED.
System Action: A CICS transaction dump is produced. The state of the CICS/DBCTL interface remains not connected.
User Response: Refer to the transaction dump to determine why the ENABLE failed.
Module: DFHDBCON

ADEF
Explanation: A severe error has been encountered when executing transaction CLS3.
System Action: CLS3 is abnormally terminated with a transaction dump. CICS issues message DFHZC4948.
User Response: See message DFHZC4948 for further guidance.
Module: DFHCLS3

ADIR
Explanation: The abend code is issued for either of the following reasons:
- A DFHDI or DFHBMS request was issued when the DFHDIP program was generated as a dummy.
- A DFHDI TYPE=RECEIVE or TYPE=NOTE was attempted but the transaction identification did not specify either INBFMH=DIP or INBFMH=ALL.
System Action: A CICS transaction dump is provided to assist in problem determination.
User Response: Either generate a DFHDIP program into the system or specify INBFMH correctly on the profile definition.
Module: DFHDIRP

ADLF
Explanation: A DL/I request was made for a remote database, but there were errors in the DL/I argument list that was provided by the user.
System Action: The transaction is abnormally terminated with a CICS transaction dump.
User Response: Ensure that any errors in the DL/I argument are corrected.
Module: DFHDLRP

ADLG
Explanation: When checking the DL/I program specification block (PSB), the external security manager checked the usage of the PSB, and found that:
- The user was unauthorized to access the PSB, or
- The PSB was unknown to the external security manager, or
- The user was set to the capability of the default user.
The meaning of the term "user" in the above context depends on the way the transaction was invoked:
- If the transaction is being run from a local terminal, or has been routed from a remote terminal, the user is the terminal user. (For a routed transaction, if PSBCHK=NO is specified in the SIT, or RESSEC=NO is specified in the transaction definition (CEDA DEFINE TRANSACTION command), the security manager does not check the terminal user.)
- If the transaction is being run as a result of a request from another CICS MRO region, the user is the owner of the other CICS system (as defined to the external security manager in the JOB statement of the initializing JCL).
- If the transaction is being run as a result of a request from a connected ISC system, the user is defined in the SECURITYNAME operand of the installed CONNECTION definition that defines the link between the two systems. For further information about this, refer to the CICS Intercommunication Guide.

Module: DFHDLRP

ADLP
Explanation: When checking the DLI program specification block (PSB), the external security manager checked the usage of the PSB, and found that:
- The user was unauthorized to access the PSB, or
- The PSB was unknown to the external security manager, or
- The user was set to the capability of the default user.
The meaning of the term "user" in the above context depends on the way the transaction was invoked:
- If the transaction is being run from a local terminal, or has been routed from a remote terminal, the user is the terminal user. (For a routed transaction, if PSBCHK=NO is specified in the SIT, or RESSEC=NO is specified in the transaction definition (CEDA DEFINE TRANSACTION command), the security manager does not check the terminal user.)
- If the transaction is being run as a result of a request from another CICS MRO region, the user is the owner of the other CICS system (as defined to the external security manager in the JOB statement of the initializing JCL).
- If the transaction is being run as a result of a request from a connected ISC system, the user is defined in the SECURITYNAME operand of the installed CONNECTION definition that defines the link between the two systems. For further information about this, refer to the CICS Intercommunication Guide.

Note: By the above definitions, a PSB used by a routed transaction has two users, the terminal user and the communicating region. Therefore, for routed transactions, the external security manager makes two checks, on the terminal user (as qualified in 1 above), and on the communicating region (2 or 3 above).
System Action: The task attempting to schedule the PSB abnormally terminates.
User Response: Ensure that the PSB is defined to the external security manager, and that all users have the correct level of authorization. If the system setup is correct, note the security violation.
Module: DFHDLRP
ADMA

**Explanation:** The alternate CICS task responsible for tracking the DBCTL connection status of the active CICS has received an error from the CICS Availability Manager (CAVM) message input service.

**System Action:** The tracking transaction terminates with a CICS transaction dump. No further action is taken in response to DBCTL status changes. The global exits, XXDFB and XXDTO, are never invoked and no attempt at a DBCTL restart is made in the event of a takeover. This abend is accompanied by DFHDX8331.

**User Response:** Check for any other messages relating the CAVM dataset problems. In the event of a takeover, it may be necessary to restart DBCTL manually.

**Module:** DFHDBCRC

ADMB

**Explanation:** The CICS/XRF DBCTL tracking task has received an unrecognizable message from the CICS/XRF message manager. This abend is preceded by message DFHDX8333.

**System Action:** The CICS/XRF DBCTL tracking task abends.

**User Response:** Refer to the instructions for message DFHDX8333.

**Module:** DFHDBCRC

ADMD

**Explanation:** The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been unable to complete its search for a DBCTL alternate, possibly due to an unexpected return code from an IEFSSREQ request.

**System Action:** A CICS transaction dump is produced. The tracking transaction continues as if no DBCTL alternate had been found. This abend is accompanied by message DFHDX8335.

**User Response:** Refer to message DFHDX8335 for further information. It may be necessary to restart DBCTL manually.

**Module:** DFHDBCRC

ADPL

**Explanation:** A server program has issued a command which is restricted in the distributed program link (DPL) environment. Certain API and CPI-RR requests, and the DL/I terminate request are not allowed in the DPL environment. See the CICS Application Programming Guide for a list of these restricted commands.

A server program is a program which has been remotely linked, or a program defined to run with the DPL subset.

**System Action:** CICS abends the transaction with a transaction dump.

**User Response:** Remove the restricted commands from the server program, or run the server program locally.

**Module:** DFHEIP, DFHCP, DFHDLI

ADPM

**Explanation:** An application program has issued a CALL AIBTDLL request for a function type that is not supported by CICS. The CALL AIBTDLL interface can only be used to issue operator commands to DBCTL in CICS with function types of ICM, RCMD and GMSG. For all other function types, the EXEC DLI, CALL ASMTDLI, CALL CBLTDLI or CALL PLITDLI interfaces must be used.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the application program to use the correct application programming interface.

**Module:** DFHDLI

ADXM

**Explanation:** The XRF DBCTL state catch-up transaction, DXCU, has failed.

**System Action:** DXCU is abnormally terminated with a CICS transaction dump. This abend is accompanied by DFHDX8318.

**User Response:** Use the dump to help diagnose the problem. Refer to DFHDX8318 for further information. Check for any other messages relating to CICS availability manager (CAVM) data set problems.

**Module:** DFHDXCU

ADXB

**Explanation:** The XRF DBCTL state catch-up transaction, DXCU, has failed.

**System Action:** DXCU is abnormally terminated with a CICS transaction dump. This abend is accompanied by DFHDX8318.

**User Response:** Use the dump to help diagnose the problem. Refer to DFHDX8318 for further information. Check for any other messages relating to CICS availability manager (CAVM) data set problems.

**Module:** DFHDXCU

AD2A

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a LOCK call to the lock manager (LM) domain. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFH2EX1

AD2B

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an UNLOCK call to the lock manager (LM) domain. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHD2EX1

AD2C
Explanation: An unexpected EXCEPTION response has occurred on a locate call to directory manager (DD) domain to locate a DB2TRAN control block. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHD2EX1

AD2D
Explanation: An error (INVALID or DISASTER response) has occurred on a locate call to directory manager (DD) domain to locate a DB2TRAN control block. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHD2EX1

AD2E
Explanation: An unexpected EXCEPTION response has occurred on a locate call to directory manager (DD) domain to locate a DB2ENTRY control block. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHD2EX1

AD2F
Explanation: An error (INVALID or DISASTER response) has occurred on a locate call to directory manager (DD) domain to locate a DB2ENTRY control block. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHD2EX1

AD2G
Explanation: A transaction attempted to use a DB2ENTRY that is DISABLED or is DISABLING. The DISABLEDACT attribute of the DB2ENTRY specified ABEND meaning that new transactions that attempt to use the DB2ENTRY should be abended.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Use CEMT INQ DB2TRAN TRANSID(tttt) where tttt is the transid, to determine the name of the DB2ENTRY involved. Re-enable the DB2ENTRY or discard the DB2ENTRY so that the transid will use a pool thread.
Module: DFHD2EX1

AD2H
Explanation: The CICS-DB2 attachment facility detected that a dynamic plan exit program abended.
System Action: CICS trapped the abend from the dynamic plan exit, issued message DFHDB2050, and then abnormally terminated the task with a CICS transaction dump.
User Response: See the associated DFHDB2050 transient data message to determine the abend code with which the dynamic plan exit program abended. Determine why the exit program abended.
Module: DFHD2EX1

AD2I
Explanation: The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because it was not link edited AMODE 31.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: See the associated DFHDB2051 transient data message to determine the name of the dynamic plan exit program involved. Re-linkedit the dynamic plan exit program AMODE 31.
Module: DFHD2EX1

AD2J
Explanation: The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because it is disabled.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: See the associated DFHDB2053 transient data message to determine the name of the dynamic plan exit program involved. Enable the dynamic plan exit program.
Module: DFHD2EX1

AD2K
Explanation: The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because no program definition was found.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: See the associated DFHDB2057 transient data message to determine the name of the dynamic plan exit program involved. Ensure that the dynamic plan exit program has been correctly defined to CICS.
Module: DFHD2EX1
AD2L

**Explanation:** The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because the program could not be loaded.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the associated DFHDB2058 transient data message to determine the name of the dynamic plan exit program involved. Ensure that the dynamic plan exit program has been correctly defined and is in a load library accessible to CICS.

**Module:** DFHD2EX1

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AD2M

**Explanation:** The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because the program is defined as remote.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the associated DFHDB2066 transient data message to determine the name of the dynamic plan exit program involved. Correct the program definition for the dynamic plan exit program so that it is defined as local.

**Module:** DFHD2EX1

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AD2N

**Explanation:** The CICS-DB2 attachment facility failed to link to a dynamic plan exit program.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the associated DFHDB2054 transient data message to determine the name of the dynamic plan exit program involved. Examine the transaction dump to determine why the link failed.

**Module:** DFHD2EX1

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AD2O

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an WAIT_MVS call to the dispatcher (DS) domain. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHD2EX1

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AD2P

**Explanation:** The transaction was unable to obtain a DB2 thread from a DB2ENTRY or the pool. See the associated transient data message DFHDB2011 to determine which DB2ENTRY was involved or whether it was the pool. The transaction was abended because the DB2ENTRY or the pool specified threadwait(no) meaning do not wait for a thread if all threads are currently in use. Note if message DFHDB2011 indicates that the pool was being used, it means the transaction was using the pool directly rather than overflowing to the pool. (An abend AD3T is produced when a transaction overflows to the pool and no pool threads are available.)

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Determine whether more threads should be allocated to the DB2ENTRY or the pool, or whether the number of instances of this transaction should be limited using TRANCLASS.

**Module:** DFHD2EX1

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AD2Q

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an getmain call to the storage manager (SM) domain. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHD2EX1

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AD2R

**Explanation:** The CICS-DB2 subtask processing the DB2 request for this transaction has abended. An exception trace is written containing the MVS abend code and reason code as well as the relevant CICS-DB2 control blocks used by the CICS task and the CICS-DB2 subtask.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Examine the trace in the CICS transaction dump to determine why the CICS-DB2 subtask abended.

**Module:** DFHD2EX1

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AD2S

**Explanation:** The subtask servicing the DB2 request for the transaction issued a sign-on request to DB2 which failed. The installed DB2CONN specifies THREADERROR(N906D) or THREADERROR(ABEND).

**System Action:**

If THREADERROR(N906D) is specified in the DB2CONN, processing continues. A -906 sqlcode is returned to the application, and a transaction dump is taken with abend code AD2S.

If THREADERROR(ABEND) is specified in the DB2CONN, the task is abnormally terminated with a CICS transaction dump.

**User Response:** Examine the AUTHID or AUTHTYPE parameter of the DB2ENTRY or pool used for the transaction. Ensure the id is authorised to access the plan in DB2.

**Module:** DFHD2EX1
Chapter 3. Transaction abend codes

AD2T

**Explanation:** An attempt to create a DB2 thread by the subtask servicing the DB2 request for the transaction failed with DB2 reason code 00F30040. The installed DB2CONN specifies THREADERROR(N906D) or THREADERROR(ABEND).

**System Action:**
- If THREADERROR(N906D) is specified in the DB2CONN, processing continues. A -906 sqlcode is returned to the application and a transaction dump is taken with abend code AD2T.
- If THREADERROR(ABEND) is specified in the DB2CONN, the task is abnormally terminated with a CICS transaction dump.

**User Response:** Either the plan is unavailable or is not known to DB2.

**Module:** DFHD2EX1

AD2U

**Explanation:** An attempt to create a DB2 thread by the subtask servicing the DB2 request failed. The installed DB2CONN specifies THREADERROR(N906D) or THREADERROR(ABEND).

**System Action:**
- If THREADERROR(N906D) is specified in the DB2CONN, processing continues. A -906 sqlcode is returned to the application and a transaction dump is taken with abend code AD2U.
- If THREADERROR(ABEND) is specified in the DB2CONN, the task is abnormally terminated with a CICS transaction dump.

**User Response:** Examine the dump to determine why the create thread failed.

**Module:** DFHD2EX1

AD2V

**Explanation:** The CICS-DB2 attachment facility issued a commit or end request to DB2 but received an 00F30805 reason code indicating that connection to DB2 has been lost. This is due to DB2 terminating abnormally or being in the process of terminating abnormally. The commit or end request may have been processed or DB2 may not have received the request and hence is still indoubt. The CICS-DB2 attachment facility instructs CICS to remember the outcome of the UOW pending resynchronisation which will happen when CICS and DB2 are reconnected.

**System Action:** The transaction completes normally but a transaction dump is taken with abend code AD2V. If DB2 is indoubt about the outcome of the UOW it will be resolved when CICS and DB2 are reconnected.

**User Response:** Contact your system programmer to restart the DB2 subsystem.

**Module:** DFHD2EX1

AD2W

**Explanation:** The CICS-DB2 attachment facility issued a single-phase commit call to DB2 but received an unexpected response. Transient data message DFHD2055 details the DB2 reason code received. The commit request may have been processed or it may have been ended. There is no resynchronisation needed, as no CICS recoverable resources were updated.

**System Action:** The CICS-DB2 attachment facility abnormally terminates the transaction with abend code AD2W. The CICS recovery manager will supersede the AD2W abend code with abend code ASPR. A transaction dump is taken.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2EX1

AD2X

**Explanation:** The CICS-DB2 attachment facility detected that the CICS task and thread subtask were in an invalid state. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2EX1

AD2Y

**Explanation:** The transaction was unable to obtain a DB2 thread from a DB2ENTRY or the pool because there were no TCBs available on which to create the thread. The number of subtask TCBs currently running is at the TCBLIMIT defined in the DB2CONN. Message DFHDB2010 is output to transient data. The transaction was abended because either:

- The DB2ENTRY specifies threadwait(no), meaning do not wait for a thread, including having to wait to create a thread because a TCB is not available - that is, do not wait for a TCB either.
- The DB2ENTRY specified threadwait(pool), but the pool definition within the DB2CONN specifies threadwait(no), and again there were no TCBs available.
- The transaction was using the pool directly, the pool specifies threadwait(no) and no TCB was available.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Determine whether TCBLIMIT should be increased or whether the number of transactions using DB2 at any one instance should be limited using transaction classes.

**Module:** DFHD2EX1

AD2Z

**Explanation:** DB2 detected a deadlock and the CICS-DB2 attachment facility attempted a syncpoint rollback command for the transaction as DROLLBACK(YES) was specified for the DB2ENTRY or POOL. The syncpoint rollback command failed. Message DFHDB2070 is output to transient data detailing the transid involved and the EIBRESP2 from the failed syncpoint rollback command.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Examine the eibresp2 value to determine why the syncpoint rollback request failed. One possible reason could be that the transaction running is a DPL server transaction which was DPLed by a client transaction without specifying the SYNCRETURN parameter. In this case syncpoints, or syncpoint rollbacks, cannot be taken by the server transaction, so DROLLBACK(YES) is invalid in this case.

**Module:** DFHD2EX1
AD21

Explanation: The CICS-DB2 attachment facility received a request for a resource manager with the incorrect name. Message DFHDB2045 is output to transient data detailing the invalid name.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHD2EX1

AD22

Explanation: The CICS-DB2 attachment facility EDF processor was unable to interpret the SQL request.

System Action: The command is not interpreted by EDF. A CICS transaction dump is taken with abend code AD22.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHD2EDF

AD23

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a LOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility service transaction CEX2. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The CICS-DB2 service task initiates a force shutdown of the CICS-DB2 interface.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHD2EX2

AD24

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an UNLOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility service transaction CEX2. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The CICS-DB2 Service task initiates a force shutdown of the CICS-DB2 interface.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHD2EX2

AD25

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a LOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility while processing a DSNC command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The DSNC command fails and the transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHD2EX1

AD26

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an UNLOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility while processing a DSNC command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The DSNC command fails and the transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHD2EX1

AD27

Explanation: The CICS-DB2 attachment facility attempted to attach a subtask on which a DB2 thread was to be created to service the SQL request from the application. The attach of the subtask failed due to lack of storage.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Increase the size of the CICS region or lower the TCBLIMIT value specified in the DB2CONN.

Module: DFHD2EX2

AD28

Explanation: The CICS-DB2 attachment facility attempted to attach a subtask on which a DB2 thread was to be created to service the SQL request from the application. The attach of the subtask failed.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHD2EX2

AD29

Explanation: The CICS-DB2 attachment facility was unable to link to its EDF processor DFHD2EDF.

System Action: The command is not interpreted by EDF. Message DFHDB2048 is output to transient data and a transaction dump is taken with abend code AD29.

User Response: Examine the trace in the CICS transaction dump to determine why the link to module DFHD2EDF failed.

Module: DFHD2EDF
AD3A

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a LOCK call to the lock manager (LM) domain made by the CICS-DB2 Attachment facility startup program. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2STR

AD3B

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an UNLOCK call to the lock manager (LM) domain made by the CICS-DB2 Attachment facility startup program. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2STR

AD3C

**Explanation:** An unexpected response was received while attempting to delete a record from a temporary storage queue during processing of a DSNC STRT command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** The DSNC STRT command fails. The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2STR

AD3D

**Explanation:** An unexpected response was received while attempting to read a record from a temporary storage queue during processing of a DSNC STOP command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** The DSNC STOP command fails. The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2CM1

AD3E

**Explanation:** An unexpected response was received while attempting to read a record from a temporary storage queue during processing of a DSNC MODIFY command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** The DSNC MODIFY command fails. The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2CM1

AD3F

**Explanation:** An unexpected response was received while attempting to read a record from a temporary storage queue during processing of a DSNC INQUIRE command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** The DSNC INQUIRE command fails. The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2CM1
AD3R

**Explanation:** An unexpected response was received while attempting to read a record from a temporary storage queue during startup of the CICS-DB2 interface. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2STR

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AD3S

**Explanation:** An unexpected response was received from an EXEC CICS SET DB2CONN command issued during startup of the CICS-DB2 interface. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2CM1

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AD3T

**Explanation:** The transaction was unable to obtain a DB2 thread from the pool. Message DFHD2B011 is output to transient data. The transaction was abended because the transaction tried using a DB2ENTRY but all threads were in use on the DB2ENTRY, and despite threadwait(pool) being specified, all threads in the pool were also in use. The pool definition within the DB2CONN specifies threadwait(no).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Determine whether more threads should be allocated to the DB2ENTRY or the pool, or whether the number of instances of this transaction should be limited using TRANCLASS.

**Module:** DFHD2EX1

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AD3U

**Explanation:** An error (INVALID or DISASTER response) has occurred on a locate call to transaction manager (XM) domain to locate a transaction definition. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2EX1

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AD3W

**Explanation:** An unexpected response was received while attempting to write a record to a temporary storage queue during startup of the CICS-DB2 interface. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2STR

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AD3X

**Explanation:** An unexpected response was received while attempting to write a record to a temporary storage queue during processing of a DSNC STRT command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

**System Action:** The DSNC STRT command fails. The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHD2CM1

# New abend code AD3Z

---

AD3Z

**Explanation:** The CICS-DB2 subtask processing the DB2 request for this transaction has abended because the DB2 adapter is being shutdown.

**System Action:** The task is abnormally terminated.

**User Response:** If this abend should occur at CICS or DB2 shutdown then it can be ignored, because the DB2 adapter is abending the task as part of shutdown processing, otherwise you will need assistance from IBM.

**Module:** DFHD2EX1

---

AEC1

**Explanation:** An attempt has been made to use the Command Level Interpreter (CECI) or the Enhanced Master Terminal (CEMT) or an RDO (CEDA, CEDB, CEDC) transaction on a terminal that is not supported.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Use a terminal that is supported by the Command Level Interpreter, Enhanced Master Terminal, or RDO transaction.

**Modules:** DFHECICP, DFHECSP, DFHEMTP, DFHESTP, DFHEOTP, DFHEDAP
AEC2

Explanation: An attempt has been made to use the Command Level Interpreter (CECI) or the Enhanced Master Terminal (CEMT) or an RDO (CEDA, CEDB, CEDC) transaction on a display terminal of size less than 24 X 80.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use a display terminal that is supported by the Command Level Interpreter or Enhanced Master Terminal or RDO transaction.

Modules: DFHECIP, DFHECSP, DFHEMTP, DFHESTP, DFHEOTP, DFHEDAP

AEC3

Explanation: An unsuccessful attempt has been made to call VS COBOL II to initialize a thread (for the first VS COBOL II program in a CICS transaction).

System Action: The transaction is abnormally terminated. The program is disabled.

User Response: Check your library setup to ensure that all of the VS COBOL II interface modules are present.

Module: DFHAPLI

AEC4

Explanation: An unsuccessful attempt has been made to call VS COBOL II to initialize a run-unit (for any VS COBOL II program in a CICS transaction).

System Action: The transaction is abnormally terminated. The program is disabled.

User Response: Check your library setup to ensure that all of the VS COBOL II interface modules are present.

Module: DFHAPLI

AEC5

Explanation: An unexpected error has been encountered by C/370 during the THREAD INITIALIZATION phase while attempting to execute a C language program.

System Action: The return code received from C/370 is placed into the field EIBRESP2; then the transaction is abnormally terminated. The program is disabled.

User Response: Refer to the error message(s) provided by C/370 to determine the cause of the problem.

Module: DFHAPLI

AEC6

Explanation: An unexpected error has been encountered by C/370 during the RUNUNIT INITIALIZATION phase while attempting to execute a C language program.

System Action: The return code received from C/370 is placed into the field EIBRESP2; then the transaction is abnormally terminated. The program is disabled.

User Response: Refer to the error message(s) provided by C/370 to determine the cause of the problem.

Module: DFHAPLI

AEC7

Explanation: Language Environment/370 has encountered an unexpected error during the THREAD INITIALIZATION phase while attempting to execute a Language Environment/370 enabled program. The return code received from Language Environment/370 is placed into the field EIBRESP2.

System Action: Message DFHAP1200 is issued and the transaction is abnormally terminated. The program is disabled.

User Response: Refer to the error message or messages issued by Language Environment/370 to determine the cause of the problem.

Module: DFHAPLI

AEC8

Explanation: Language Environment/370 has encountered an unexpected error during the RUNUNIT INITIALIZATION phase while attempting to execute a Language Environment/370 enabled program.

System Action: The return code received from Language Environment/370 is placed into the field EIBRESP2. Message DFHAP1200 is issued and the transaction is abnormally terminated. The program is disabled.

User Response: Refer to the error message or messages issued by Language Environment/370 to determine the cause of the problem.

Module: DFHAPLI

AEC9

Explanation: Language Environment/370 has encountered an unexpected error during the RUNUNIT BEGIN INVOCATION phase while attempting to execute a Language Environment/370 enabled program.

System Action: The return code received from Language Environment/370 is placed into the field EIBRESP2. Message DFHAP1200 is issued and the transaction is abnormally terminated. The program is disabled.

User Response: Refer to the error message or messages issued by Language Environment/370 to determine the cause of the problem.

Module: DFHAPLI

AEDA

Explanation: The CEDF transaction has been started with an invalid start code. This could be the result of attempting to start the execution diagnostic facility (EDF) with EXEC CICS START(CEDF).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the start has failed.

Module: DFHEDFX
AEDB

Explanation: DFHEDFP has been passed an invalid EDFXA. This is an internal CICS error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHEDFX

AEDC

Explanation: The program EDF has terminated because a GETMAIN request to the storage manager failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the request has failed.

Module: DFHEDFX

AEDD

Explanation: CICS has attempted to attach the EDF task to display the user request but the attach has failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the attach has failed.

Module: DFHEDFX

AEDE

Explanation: CICS has suspended the user task to allow the EDF task to complete but an error has occurred while performing the suspend.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the suspend has failed.

Module: DFHEDFX

AEDF

Explanation: CICS has suspended the user task to allow the EDF task to complete. The user task has been purged while suspended, before control was returned from EDF.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: The task was probably purged by the master terminal operator. Investigate the reason why the task was purged. This may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

Module: DFHEDFX

AEDG

Explanation: CICS has suspended the user task to allow the EDF task to complete. The user task has gone away while suspended, before control was returned from EDF.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine the reason why the task finished before being resumed.

Module: DFHEDFX

AEDH

Explanation: An error occurred when CICS called the Program Manager in order to discover details of the user program that has invoked EDF.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the call has failed.

Module: DFHEDFX

AED1

Explanation: This abend is produced as a result of either:
- An attempt to use the execution diagnostic facility (EDF) on an unsupported terminal,
- Using the temporary storage browse transaction (CEBR) on an unsupported device, or
- An attempt to initiate the temporary storage browse transaction (CEBR) with a non-terminal principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use a terminal or device that is properly supported.

Modules: DFHEDFP, DFHEDFBR

AED2

Explanation: The program EDF has terminated a task and placed this abend code in the terminated task's TCA. This occurs because execution of EDF is about to be abnormally terminated. A probable reason for EDF being terminated is that a line, control unit, or a terminal has been put out of service.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use a terminal that is supported as a display terminal by EDF. A CICS transaction dump of the task terminated with this abend code is available for review.

Module: DFHEDFX

AED3

Explanation: The program EDF has terminated a task and placed this abend code in the terminated task's TCA. The termination occurs because execution of EDF is about to be abnormally terminated.

One possible cause of an abend in EDF is incorrect data being sent to the terminal by the user task.

System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: A CICS transaction dump of the terminated task and also a similar dump for EDF, when its termination was abnormally terminated, are available for review.

Module: DFHEDFX

AED4
Explanation: An internal logic error has been detected in EDF module DFHEDFP.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: This indicates a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHEDFP

AED5
Explanation: An internal logic error was detected in EDF. Insufficient dynamic storage was pre-allocated.
System Action: EDF is terminated abnormally with dumps having dump codes CXSP, RMIN, PAGE, LDIN. The user task continues.
User Response: The problem may be avoided by less complex user interactions with EDF. If the problem persists, you may need further assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHEDFD

AED6
Explanation: An internal logic error was detected in EDF.
System Action: EDF is terminated abnormally with dumps having dump codes CXSP, RMIN, PAGE, LDIN. The user task continues.
User Response: The problem may be avoided by less complex user interactions with EDF. If the problem persists, you may need further assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHEDFU

AED7
Explanation: The installed definition of the transaction CEDF has a TWA size which is too small.
System Action: CICS abnormally terminates the transaction with a CICS transaction dump.
User Response: If you have an updated copy of the CEDF transaction installed, ensure that you have a TWA size at least as big as the one defined by the IBM supplied definition. If you do not have an updated CEDF you may need further assistance to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHEDFP

AED8
Explanation: A terminal control error has occurred in DFHEDFX.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHEDFX

AED9
Explanation: A temporary storage error has occurred in EDF. This could be caused by an input/output error on temporary storage or because temporary storage data is full.
System Action: EDF is abnormally terminated with a CICS transaction dump.
User Response: Investigate the reason for the temporary storage request failure. Ensure that the definition of the temporary storage data set is correct.
See the CICS Problem Determination Guide for further guidance in dealing with temporary storage problems.
Module: DFHEDFD

AEIA
Note: The description of this abend also applies to AEID to AEI9, AEXC, AEXF, AEXG, AEXI to AEXL, AEXV to AEXX, AEX0 to AEX9, AEYA to AEYC, AEYE to AEY3, AEY7, and AEZE to AEZQ.
Explanation: The EXEC interface program issues an abend when an exceptional condition has occurred but the command does not have the RESP option (or NOHANDLE option), or the application program has not executed an EXEC CICS HANDLE CONDITION command for that condition. This will cause DFHEIP to take the system action for the condition in question. In most cases, the system action will be to abend the transaction.
Because of their similar characteristics, the above-named abend codes for the EXEC interface program are described as a group. The codes and their corresponding exceptional conditions are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEIA</td>
<td>ERROR</td>
</tr>
<tr>
<td>AEID</td>
<td>EOF</td>
</tr>
<tr>
<td>AEIE</td>
<td>EODS</td>
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<td>NONVAL</td>
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<td>TERMIDERR</td>
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<td>NOTFND</td>
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<td>LENGERR</td>
</tr>
<tr>
<td>AEIW</td>
<td>QZERO</td>
</tr>
</tbody>
</table>
Problem Determination: The function code of the command that produced the exceptional response and the response code can be found in the EXEC interface block (EIB). The EIB is part of a larger control block, used by DFHEIP, known as the EXEC interface storage block (EIS). The EIS is addressed by the TCAEISA, which is the system part of the TCA + X’90’. The EIB is pointed to from the EIS + X’8’. The function code may be located at offset X’1B’ in the EIB while the response codes may be one of the following at the given offsets:

- EIBRCODE: X’1D’
- EIBRESP: X’4C’
- EIBRESP2: X’50’

The CICS Application Programming Reference gives translations of the encoded functions and their responses.

Analysis: Because these abend codes are directly related to exceptional conditions that can be specified in HANDLE CONDITION commands, the application programmer should decide whether the condition is one that should be handled by the application (for example ENDFILE), or one that requires modifications to the application or CICS tables.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Change the application program either to prevent the condition recurring, to check it by using the RESP option, or to handle the condition when it does occur (by using the EXEC CICS HANDLE CONDITION command). If necessary, use the contents of the EIBRESP2 field or the EIBRCODE in the EIB to assist in determining the cause of the exceptional condition.

Module: DFHEIP

Explanation: The executing function has been purged before control could be returned.

System Action: The transaction is marked to be abnormally terminated with abend code AELA.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator, or as a result of a deadlock timeout.

If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased then the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

Module: DFHETL

Explanation: The executing function has been purged before control could be returned.

System Action: The transaction is marked to be abnormally terminated with abend code AELB.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator, or as a result of a deadlock timeout.
If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, then the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

**Module**: DFHEGL

---

**AEMA**

**Explanation**: An error (INVALID or DISASTER response) has occurred on a call to the application (AP) domain when a request for set user exit active could not be serviced.

**System Action**: The task is abnormally terminated. The domain that detected the original error issues a console message and might provide an exception trace, and depending on the options specified in the dump table, a system dump.

**User Response**: See the associated console message for further guidance.

**Module**: DFHUEM

---

**AEMB**

**Explanation**: An error (INVALID or DISASTER response) has occurred on a call to the loader (LD) domain. The domain that detected the original error will have provided an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

**System Action**: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

**User Response**: See the related message from the domain that detected the original error.

**Module**: DFHUEM

---

**AEMP**

**Explanation**: The task was purged before a request to the application (AP) domain was able to complete successfully. The domain that first detected the purged condition may provide an exception trace.

**System Action**: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

**User Response**: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module**: DFHUEM

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**AEMQ**

**Explanation**: The task was purged before an IDENTIFY_PROGRAM request to the loader (LD) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

**System Action**: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

**User Response**: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

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**AETC**

**Explanation**: A CICS transaction has issued a non-CICS command via an application "stub" (an expansion of a DFHRMCAL macro). However, the task-related user exit (TRUE) is not known to program manager.

**System Action**: The task is abnormally terminated with a transaction dump

**User Response**: Ensure that the TRUE as identified to the DFHRMCAL macro has been correctly defined to CICS.

**Module**: DFHERM

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**AETF**

**Explanation**: The task was purged before a request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

**System Action**: The task is abnormally terminated with a transaction dump.

**User Response**: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.
If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHERM

### AETG

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the related message produced by the domain that detected the original error.

**Module:** DFHERM

### AETH

**Explanation:** The task was purged before a request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHERM

### AETI

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the related message produced by the domain that detected the original error.

**Module:** DFHERM

### AETJ

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an ADD_LINK call to the recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHERM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHERM

### AETK

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an SET_LINK call to the recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHERM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHERM

### AETL

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an SET_UOW call to the recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHERM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHERM
AETM

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INQUIRE_TRANSACTION call to the transaction manager (XM) domain. For errors other than EXCEPTION, the XM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY

AETN

Explanation: An EXCEPTION response with an unexpected reason occurred on an INITIATE_RECOVERY call to recovery manager (RM) domain. DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY

AETO

Explanation: An error (DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INITIATE_RECOVERY call to the recovery manager (RM) domain. The RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

DFHRMSY also provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY

AETS

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INQUIRE_STARTUP call to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY

AETP

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an TERMINATE_RECOVERY call to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY

AETO

Explanation: An EXCEPTION response with an unexpected reason occurred on an INQUIRE_UOW call to the recovery manager (RM) domain. DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY

AETR

Explanation: An error (DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INQUIRE_UOW call to the recovery manager (RM) domain. The RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

DFHRMSY also provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY

AETS

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INQUIRE_UOW call to the recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRMSY
AEXU

Explanation: During execution of an EXEC CICS command, a NOTPOSS condition has been raised on encountering an invalid parameter. This is probably caused by a previous storage overlay.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Refer to abend AEIA for an explanation of how to determine the function code of the CICS command that caused the abend.

It is not possible to set an EXEC CICS HANDLE CONDITION for NOTPOSS.

The system programmer should investigate the cause of the storage overlay.

Modules: DFHEIDTI, DFHEIQDS, DFHEIQSA, DFHEIQSC, DFHEIQSM, DFHEIQSP, DFHEIQST, DFHEIQSX

AEXY

Explanation: The executing transaction has been purged before control could be returned.

This can arise when the transaction is purged while

- A CICS command was being processed
- The transaction was waiting to be dispatched

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Contact your system programmer to determine why the transaction has been purged.

Modules: DFHACP, DFHBEIP, DFHBREX, DFHBRIC, DFHBRMS, DFHBRSP, DFHBRTC, DFHBSTS, DFHBSTZO, DFHD2CC, DFHD2EX1, DFHD2EX2, DFHD2STR, DFHEDCP, DFHEDFP, DFHEDG, DFHEEI, DFHEFC, DFHEFC, DFHEF, DFHEIA, DFHEIPR, DFHEIPSY, DFHEIQDE, DFHEIQDN, DFHEIQDS, DFHEIQDU, DFHEIQD2, DFHEIQIR, DFHEIQMS, DFHEIQMT, DFHEIQPF, DFHEIQPN, DFHEIQRO, DFHEIQSA, DFHEIQSC, DFHEIQSK, DFHEIQSL, DFHEIQSM, DFHEIQSP, DFHEIQST, DFHEIQSX, DFHEIQTS, DFHEIQUE, DFHEIQVT, DFHEIOUW, DFHEKC, DFHEMS, DFHEOP, DFHEPC, DFHERM, DFHESC, DFHESN, DFHETC, DFHETL, DFHETRX, DFHPCCP2, DFHTACP, DFHTFP, DFHTIEM, DFHUEM, DFHWBTC, DFHXBMR, DFHXTP, DFHZATS, DFHZNCA, DFHZNCE, DFHZTSP, DFHZXQO, DFHZXST

AEXZ

Explanation: A command has failed due to a serious failure in a CICS component (resource manager).

System Action: The transaction is abnormally terminated with abend code AEXZ. CICS takes a transaction dump, unless module DFHDUJO is not loaded.

User Response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUJO is not loaded and no transaction dump is available, contact your system programmer.

Modules: DFHACP, DFHBEIP, DFHBREX, DFHBRIC, DFHBRMS, DFHBRSP, DFHBRTC, DFHBSTS, DFHBSTZO, DFHEDCP, DFHEDFP, DFHEDI, DFHEEI, DFHEGL, DFHEACO, DFHEAC, DFHESC, DFHESN, DFHETC, DFHETL, DFHETRX, DFHPCCP2, DFHTACP, DFHTFP, DFHTIEM, DFHUEM, DFHWBTC, DFHXBMR, DFHXTP, DFHZATS, DFHZNCA, DFHZNCE, DFHZTSP, DFHZXQO, DFHZXST

DFHEIQRO, DFHEIQSA, DFHEIQSC, DFHEIQSK, DFHEIQSL, DFHEIQSM, DFHEIQSP, DFHEIQST, DFHEIQSX, DFHEIQTM, DFHEIQT, DFHEIQTS, DFHEIQUE, DFHEIQVT, DFHEIOUW, DFHEKC, DFHEMS, DFHEOP, DFHEPC, DFHERM, DFHESC, DFHESN, DFHETC, DFHETL, DFHETRX, DFHPCCP2, DFHTACP, DFHTFP, DFHTIEM, DFHUEM, DFHWBTC, DFHXBMR, DFHXTP, DFHZATS, DFHZNCA, DFHZNCE, DFHZTSP, DFHZXQO, DFHZXST

AEYD

Explanation: A transaction has requested that CICS access a storage area that the transaction itself could not access. This occurred when an invalid storage area was passed to CICS as an output parameter on an EXEC CICS command.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Examine the trace to find the exception trace entry created by DFHEISR and then identify the parameter in error. If the abend is handled, EXEC CICS ASSIGN ASRASTG, ASRAKEY, ASRASPC, and ASRAREGS give additional information about the abend. At the time of the abend, register 2 points to the storage area at fault.

Change one or more of the following:

- Correct the code in error in the transaction issuing the EXEC CICS command in order to supply a valid storage area.
- If storage protection is active, change the EXECKEY on the CEDA definition for the program that issued the EXEC CICS command from USER to CICS.
- If storage protection is active, change the TASKDATAKEY attributes on the transaction definition from CICS to USER.
- If transaction isolation is active, change the ISOLATE attribute on the transaction definition from YES to NO.

Modules: DFHSRP

AEY6

Explanation: Internal logic error in DFHUEM. This arises when using EXITALL to DISABLE an exit program from all exit points for which it has been enabled. The entire user exit table has been scanned and all associations of the program have been found. But the activation count for the program in its exit program block indicates there should be more associations (for example, the activation count has not been reduced to zero). The user exit table and associated control blocks (EPBs and EPLs) are out of step and have probably been corrupted.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFHUEM

AEY8

Explanation: No DSA was found on the chain while trying to free dynamic storage for an assembler language program using an EXEC CICS command.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Ensure that the DFHEIENT, DFHEISTG, and DFHEIEND macro invocations are correctly positioned and retry. If the error persists, you will need further assistance. See Part 4 of...
the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFHEIP

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**AEY9**

**Explanation:** One of the following:
- An EXEC CICS command has been issued that is not supported by the EXEC interface program DFHEIP.
- A transaction has issued an EXEC CICS command which is supported in principle by the EXEC interface program DFHEIP, but for which the prerequisite function has not been included in the current CICS start-up.
- A non-CICS command has been issued via an application "stub" (expansion of a DFHRCMCAL macro), and the program DFHERM has detected that the necessary non-CICS support is not available.
- An attempt has been made to use remote resources, but the local SYSID has been specified in an EXEC CICS command, or vice versa.
- An attempt has been made to use remote resources, but ISC is not supported.
- An EXEC CICS command contains an invalid aid or condition identifier. This indicates that the EXEC CICS command has become corrupted.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Check that the sysid specified and the resource names were correct. If not, notify the system programmer. Either the command (or an application stub) has become corrupted, or the unavailable function needs to be generated (CICS command), enabled (non-CICS command), or exceptionally the non-CICS support has suffered damage and is attempting to withdraw itself from the CICS system.

**Modules:** DFHEIP, DFHEEI

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**AEZA**

**Explanation:** A transaction has been defined with a TASKDATALOC(ANY), but the programs within the transaction are running AMODE 24. The exec interface program is therefore unable to access the TCA for the application. Furthermore, any reference to the EIB would cause the transaction to fail an OC4 protection exception.

**System Action:** The transaction is abnormally terminated.

**User Response:** Either redefine and install a new definition for the transaction with TASKDATALOC(BELOW), or modify the task related user exit so that it is invoked in AMODE 31.

**Module:** DFHEIP

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**AEZC**

**Explanation:** A transaction has been defined with a TASKDATALOC(ANY), but a program within the transaction is defined to run AMODE 24. CICS cannot invoke the AMODE 24 program when the transaction is running with TASKDATALOC(ANY), as this would cause a protection exception, or a storage overwrite.

**System Action:** The transaction is abnormally terminated.

**User Response:** Either redefine and install a new definition for the transaction with TASKDATALOC(BELOW), or relink the program as AMODE 31.

**Module:** DFHAPLI

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**AEZD**

**Explanation:** An attempt has been made to run a program defined as EXECKEY(USER) as part of a transaction defined as TASKDATAKEY(CICS). These attributes are incompatible and the transaction is abended. This incompatibility could occur as a result of the program definition being autoinstalled. See the CICS Customization Guide and the CICS Resource Definition Guide for more information about program autoinstall.

**System Action:** The transaction is abnormally terminated.

**User Response:** Redefine and install a new definition either for the transaction with TASKDATAKEY(USER), or for the program with EXECKEY(CICS).

If this abend occurs when running a CICS transaction, a possible cause is that you are not using the CICS-supplied definition for the program. If you are using your own copies of CICS-supplied program definitions, they must be defined as EXECKEY(CICS).

**Module:** DFHAPLI

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**AEZE**

**Explanation:** CHANGED condition not handled.

**This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.**

**See the description of abend AEIA for further details.**

**Module:** DFHEIP

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**AEZF**

**Explanation:** PROCESSBUSY condition not handled.

**This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.**

**See the description of abend AEIA for further details.**

**Module:** DFHEIP
### AEZG
**Explanation:** ACTIVITYBUSY condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

### AEZH
**Explanation:** PROCESSERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

### AEZI
**Explanation:** ACTIVITYERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

### AEZJ
**Explanation:** CONTAINERERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

### AEZK
**Explanation:** EVENTERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

### AEZL
**Explanation:** TOKENERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

### AEZM
**Explanation:** NOTFINISHED condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

### AEZN
**Explanation:** POOLERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

### AEZO
**Explanation:** TIMERERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

### AEZP
**Explanation:** SYMBOLERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

### AEZQ
**Explanation:** TEMPLATERR condition not handled.
This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.
See the description of abend AEIA for further details.
**Module:** DFHEIP

### AFCB
**Explanation:** Module DFHEIFC issued a resource level security check (RSLC) request to module DFHXSRC and received a response other than OK or EXCEPTION.
**System Action:** The transaction is abnormally terminated with a transaction dump.
**User Response:** Examine the trace to find the exception trace entry created by DFHXSRC at the time of the error. Use this trace entry to determine the cause of the return code from DFHXSRC.
**Module:** DFHEIFC
Chapter 3. Transaction abend codes

AFCC

**Explanation:** An internal logic error was detected when calling the file control request processing module DFHFCFR. Either DFHFCFR returned an INVALID response to its caller indicating an error in the caller's parameter list, or DFHFCFR passed back a return code that was not recognized by its caller.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFHEIFC, DFHDMPCA

AFCD

**Explanation:** During an attempt to locate an AFCT entry, the table manager program DFHTMP has returned a “disastrous error” response that could not be handled by its caller.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHEIFC

AFCE

**Explanation:** A GETMAIN for FFLE storage has failed.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Retry the failed transaction.

**Module:** DFHEIFC

AFCF

**Explanation:** A deadlock has been detected between two or more tasks issuing file control requests.

**System Action:** The task that would have entered deadlock is abended with a CICS transaction dump.

**User Response:** Examine this transaction and other transactions in the system that update the same files to find the cause of the deadlock, then correct the error.

When transactions update several files within the same unit of work, all transactions should update these files in the same order. A transaction that abends AFCF may be retried by specifying RESTART(YES) in the transaction definition and by coding a suitable DFHREST program.

**Modules:** DFHEIFC, DFHDMPCA

AFCG

**Explanation:** A transaction has issued a sequence of file control requests that would cause the file to deadlock itself. This response arises for different reasons depending upon the file type.

If the file is being accessed in non-RLS mode, the response is caused by the transaction making conflicting requests against the same CI. For example, if the file is being accessed using LSR, a self deadlock will arise when an attempt is made to read a record that is in the same CI as a record that is the subject of a READ UPDATE or WRITE MASSINSERT request issued by the same transaction.

If the file is accessed in RLS mode there is no CI locking, but self deadlock responses can still arise. They are caused by sequences of requests that are either logically meaningless or which cannot be performed by VSAM RLS.

With VSAM RLS the most likely causes of this abend are as follows:

- Two successive READ UPDATE requests against the same record by the same transaction without an intervening REWRITE, DELETE or UNLOCK command.
  This is an incorrect use of file control requests.
- A transaction has created a record by WRITE MASSINSERT and then, without terminating the WRITE MASSINSERT sequence by issuing an UNLOCK request, the same transaction has attempted to modify the same record by issuing a READ UPDATE or DELETE request.
  This sequence of requests fails if VSAM has not written the record out to disk. The only way to guarantee that the record has been written to disk is to issue the UNLOCK request.
- A transaction has updated or deleted a record using a browse for update sequence and then, without terminating the browse for update sequence by issuing an ENDBR request, the same transaction has attempted to modify the same record by issuing a separate READ UPDATE or DELETE or WRITE request.
  This sequence of requests fails if VSAM has not written the record out to disk. The only way to guarantee that the record has been written to disk is to issue the ENDBR request.

If the file is used to access a coupling facility data table, then self deadlock responses are caused by sequences of requests that are either logically meaningless or which cannot be performed by coupling facility data tables support.

For coupling facility data tables, the most likely cause of this abend is as follows:

- Two successive READ UPDATE requests have been issued against the same record by the same transaction without an intervening REWRITE, DELETE or UNLOCK command.
  This is an incorrect use of file control requests.

**System Action:** The task that would have entered deadlock is abended with a CICS transaction dump.

**User Response:** Examine the previous requests made by this transaction against this file to identify the cause of the deadlock, then correct the error. In some cases (particularly when the file is being accessed in RLS mode or is using a coupling facility data table) this abend may indicate a programming error in the program that issued the file control requests.

**Modules:** DFHEIFC, DFHDMPCA

AFCH

**Explanation:** The transaction has issued a request for a remote shared data table for which it has an active browse, but in the meantime the table has been disabled or closed by the owning CICS system, or the owning CICS system has failed.

**System Action:** The requesting transaction abends with a transaction dump.

CICS continues normally.
AFCJ

**User Response:** In the application owning region, take whatever action normally follows the issue of a FORCE request in, or the failure of, the file owning CICS system.

See the CICS Shared Data Tables Guide for further guidance.

**Module:** DFHEIFC

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**Explanation:** DFHFCU issued a call to DFHFCFS to open a file. A purged error was returned from DFHFCFS because the task has been waiting for a resource longer than the DTIMEOUT interval specified for the CSFU transaction.

**System Action:** The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

**User Response:** Examine the dump to determine the cause of the error. A system dump can be produced by adding the appropriate dump table entry using the CEMT SET TRDUMPCODE command.

**Module:** DFHFCU

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**Explanation:** The transaction issued a file update request (READ UPDATE, WRITE or DELETE) against an RLS mode data set for which a DFSMSdss non-BWO backup was in progress.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump. CICS processing continues.

**User Response:** All new file update requests are prohibited when a non-BWO backup is in progress for an RLS mode data set. This restriction is automatically lifted when the backup completes. (A non-BWO backup is any type of backup operation other than a Backup While Open backup.) When the backup has completed, retry the transaction.

**Modules:** DFHDMPCA, DFHEIFC

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**Explanation:** An attempt was made to attach a transaction specifying DFHDTLX as the program to be given control, but the transaction was not internally attached by CICS.

**System Action:** The transaction is abnormally terminated. CICS processing continues.

**User Response:** Establish why an attempt was made to attach CFSL illegally, or why a transaction definition specified DFHDTLX as the program to be given control.

**Module:** DFHDTLX

---

**Explanation:** During the loading of a data table by the CFSL transaction, an attempt was made to attach a transaction specifying DFHDTLX as the program to be given control, but the transaction was not internally attached by CICS.

**System Action:** The transaction is abnormally terminated. CICS processing continues.

**User Response:** Establish why an attempt was made to attach CFSL illegally, or why a transaction definition specified DFHDTLX as the program to be given control.

**Module:** DFHDTLX

---

**Explanation:** During the loading of a Shared Data Table by the CFSL transaction, a call to the CICS Transaction Manager has returned a response (such as DISASTER) after which normal processing could not continue.

**System Action:** Message DFHFC0949 is issued. Loading of the data table is terminated and CFSL abends.

**User Response:** Refer to the description of the message for further information and guidance.

**Module:** DFHDTLX

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**Explanation:** During the loading of a data table by the CFSL transaction, an abend was detected, or a domain call returned a response (such as DISASTER) after which normal processing could not continue.

**System Action:** A message is issued (one of DFHFC0945, DFHFC0946, or DFHFC0947). Loading of the data table is terminated and CFSL abends.

**User Response:** If this abend is produced as a result of an abend during loading, message DFHFC0945 is issued. If it is a result of a domain call failure, depending on which domain the failure was returned by, one of the messages DFHFC0946 or DFHFC0947 is issued. Refer to the description of the message for further information and guidance.

**Module:** DFHDTLX

---

**Explanation:** The transaction issued a file request that caused file control to attempt to create a journal record but the record was too large for the journal buffer to accommodate. This indicates that a journal referenced in the file definition is using an MVS logstream, which in turn, is using a coupling facility structure which has been defined with a MAXBUFSIZE parameter less than the recommended 64000.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Redefine the coupling facility structure that the logstream is using with a MAXBUFSIZE parameter of 64000. The journal in error can be the forward recovery log or the journal used for auto-archiving.

**If the module that detected the error is DFHDMPCA, the error is associated with a journal referenced in the definition of the CSD (DFHCSD).**

**Modules:** DFHDMPCA, DFHEIFC

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**Explanation:** The program issued a file control request against a file opened in RLS mode. While executing this request, CICS detected that the SMSVSAM server address space had failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump. CICS disables all further RLS accesses and initiates error recovery.

**User Response:** Retry the transaction when the server is available again.

If the SMSVSAM server fails, it should normally automatically restart itself as quickly as possible. If this does not happen, consult the VSAM documentation which provides further guidance on debugging problems in the SMSVSAM server.

**Modules:** DFHEIFC, DFHDMPCA
Chapter 3. Transaction abend codes

AFCS

Explanation: The program issued a file control request against a file opened in RLS mode. VSAM was unable to perform this request because the SMSVSAM server address space was inactive.

However, if an offsite restart is being performed (that is, OFFSITE=YES was specified as a system initialization override), this transaction abend is also issued even if the SMSVSAM server address space is active. This is because RLS access is not allowed during an offsite restart for any RLS file control requests other than those issued by transactions which have been attached by CICS to perform RLS recovery work.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Retry the transaction when the server is available again.

If the SMSVSAM server fails, it should normally automatically restart itself as quickly as possible. If this does not happen, consult the VSAM documentation which provides further guidance on debugging problems in the SMSVSAM server.

If an offsite restart is being performed, retry the transaction after RLS recovery has been completed when RLS access by user transactions is allowed again.

Modules: DFHEIFC, DFHDMPCA

AFCT

Explanation: The program has made a file control request against a file opened in RLS mode. The SMSVSAM server has been recycled since an earlier RLS request from the same unit of work. The same unit of work cannot issue requests against two different instances of the SMSVSAM server. Note that this abend will occur even if the earlier request was not successful.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Resubmit the transaction.

Modules: DFHEIFC, DFHDMPCA

AFCU

Explanation: A program made a file control request against a file that is being accessed in VSAM RLS mode. The underlying data set is in lost locks state. File control requests are not allowed against a data set that is in lost locks state.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Recovery from lost locks is normally automatic. See the CICS Recovery and Restart Guide for a full explanation of lost locks recovery. You will not be able to issue any file control requests against this data set until all systems that owned locks at the time of the lock structure failure have completed their lost locks recovery.

See the CICS Recovery and Restart Guide for guidance on how to determine which CICS systems still have lost locks recovery pending, for information on commands that allow you to find the work that these systems have outstanding, and on commands that allow you to force a system to immediately complete lost locks recovery. The commands that force immediate completion of lost locks recovery should only be used as a last resort as they may cause loss of data integrity. It is better to allow the automatic recovery procedures to complete normally.

Modules: DFHEIFC, DFHDMPCA

AFCV

Explanation: A request made against a file opened in RLS mode was unable to acquire a record lock. It waited for the lock, but the wait time exceeded the maximum wait time applicable to that request.

System Action: The task is abnormally terminated with a CICS transaction dump.

CICS prints message DFHFC0164 and message DFHFC0165 which identify the transaction or transactions that were immediately in front of this transaction in the queue for the lock. Normally this transaction or these transactions are the owners of the lock, although this is not the case if a chain of requests for the record has built up.

User Response: Retry the transaction.

If the problem recurs, see messages DFHFC0164 and DFHFC0165 to determine the transaction that is holding the lock. In most cases the problem lies with the lock owner rather than the transaction that has failed.

Examples of causes of timeouts are as follows:

- The transaction that holds the lock has a design error. For example:
  - A conversational transaction updates a recoverable record and then issues a terminal control read. It does not issue syncpoint (and therefore does not release the lock) until the end user has responded to the terminal control read. It may therefore hold the lock for a considerable period.
  - A transaction updates very many records in recoverable files before issuing syncpoint. You are recommended to keep the number of updates made within a unit of work small and to issue frequent syncpoints to ensure that locks are released regularly.

- The system in which the lock holder is running is experiencing severe performance degradation. Investigate the reason for the performance degradation.

- There is a deadlock between RLS and another resource manager. For example one transaction may be holding an RLS lock and waiting for a lock on a transient data queue. The transaction that times out may hold the lock on the transient data queue and be waiting for the RLS lock. RLS can detect deadlocks only when all the locks involved in the deadlock are RLS locks. A deadlock such as this can appear to RLS to be a long wait for a lock and is reported as a time out. Examine the design of the transactions to determine whether resource manager deadlocks can occur.

- It may be possible for RLS deadlocks to be reported as RLS timeouts if VSAM does not perform deadlock detection until after the time out value for the request occurred. For example, assume that DEADLOCK_TIMEOUT in specified as (15,4) in SYS1.PARMLIB. This means that VSAM does not attempt to detect cross-MVS deadlocks until 4 periods of 15 (that is, 60) seconds have elapsed. If DTIMOUT was not active for the transaction and the SIT specified FTIMEOUT=30, the RLS request times out after 30 seconds, before VSAM has attempted to detect cross-MVS deadlocks. Adjust FTIMOUT, DTIMOUT, and DEADLOCK_DETECTION to avoid such effects.

Modules: DFHEIFC, DFHDMPCA
AFCW

**Explanation:** The program issued a file control request against a file opened in RLS mode. VSAM RLS detected that this request would cause a deadlock. This transaction is abended in order to break the deadlock chain.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

CICS prints message DFHFC0166 and message DFHFC0167 which identify the other transactions in the deadlock chain.

**User Response:** Retry the transaction.

Examine the logic of all the programs involved in the deadlock chain to determine whether they could be improved to avoid possible sources of deadlock. See the CICS Application Programming Guide for guidance on how to write programs that avoid deadlocks.

**Modules:** DFHEIFC, DFHDMPCA

AFCY

**Explanation:** The transaction issued a file request resulting in a call to the main file control program (DFHFCFR). During the processing of the request the transaction was purged (that is, was the subject of an explicit PURGE or FORCEPURGE request, was timed out, or was selected by CICS for termination in an attempt to alleviate an SOS condition). A "purged" response was returned from DFHFCFR to its caller.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

Exception trace entries are made between the point at which the purge is detected and the issuing of the abend.

**User Response:** In some instances, for example if the transaction was explicitly purged, no further action is necessary. Otherwise examine the exception trace and the transaction dump to identify the point at which the purge occurred.

**Modules:** DFHDMPCA, DFHEIFC

AFCZ

**Explanation:** The transaction issued a file request resulting in a call to the main file control program (DFHFCFR). A "disastrous error" response was returned from DFHFCFR to its caller.

**System Action:** At the time the error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump. The task is abnormally terminated with a CICS transaction dump.

**User Response:** The system programmer should examine the trace, the system dump and any related CICS messages to identify the cause of the error.

**Modules:** DFHEIFC, DFHDMPCA

AFC0

**Explanation:** An attempt has been made to update a file after file control restart failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Determine the cause of the failure in file control restart. Restart CICS.

**Modules:** DFHEIFC, DFHDMPCA

AFC2

**Explanation:** DFHFCU issued a call to DFHFCFS to open a file. A disastrous error was returned from DFHFCFS.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

At the time the disastrous error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump. CICS processing continues.

**User Response:** The system programmer should examine the trace, the system dump and any related CICS messages to identify the cause of the error.

**Module:** DFHFCU

AFC7

**Explanation:** The CICS definition file (CSD) manager (DFHDMPCA) issued a request to DFHFCFS to enable, open or close the DFHCSD file. A "disastrous error" response was returned from DFHFCFS to DFHDMPCA.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

At the time the disastrous error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump. CICS processing continues.

**User Response:** The system programmer should examine the trace, the system dump and any related CICS messages to identify the cause of the error.

**Module:** DFHDMPCA

AFDA

**Explanation:** An attempt was made to attach a transaction specifying DFHFCQT as the program to be given control, but the transaction was not internally attached by CICS. DFHFCQT is for use by CICS system transactions CFQS and CFQR. These provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss BWO and non-BWO backups, and certain other data set related operations.

**System Action:** The transaction is abnormally terminated. CICS processing continues.

**User Response:** Establish why an attempt was made to illegally attach CFQS or CFQR, or why a transaction definition specified DFHFCQT as the program to be given control.

**Module:** DFHFCQT

AFDB

**Explanation:** An attempt was made by CICS to internally attach a transaction specifying DFHFCQT as the program to be given control, and the transaction id was other than CFQS or CFQR. DFHFCQT is for use by CICS system transactions CFQS and CFQR. These provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss BWO and non-BWO backups, and certain other data set related operations.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump. CICS processing continues but it is probable that VSAM RLS data set quiesce support has been lost.
**User Response:** Restart CICS. If the problem reoccurs, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHFCQT

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### AFDC

**Explanation:** CICS system transaction CFQS has failed due to a serious error. An attempt will be made to reattach the transaction. CICS messages should indicate the cause of the error.

CFQS provides support for the initiation of VSAM RLS data set quiesce and unquiesce operations.

**System Action:** CFQS is abnormally terminated with a CICS transaction dump. CFQS is reattached and CICS processing continues.

**User Response:** Check Transient Data Queue CSFL for message DFHFC6028, indicating that the reattach of CFQS was successful. If the reattach fails, VSAM RLS data set quiesce initiation support is lost. If this support is required, CICS must be restarted.

If it is not possible to restore VSAM RLS quiesce initiation support, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHFCQT

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### AFDD

**Explanation:** CICS system transaction CFQR has failed due to a serious error. An attempt will be made to reattach the transaction. CICS messages should indicate the cause of the error.

CFQR provides support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss BWO and non-BWO backups, and certain other data set related operations.

**System Action:** CFQR is abnormally terminated with a CICS transaction dump. CFQR is reattached and CICS processing continues.

**User Response:** Check Transient Data Queue CSFL for message DFHFC6028, indicating that the reattach of CFQR was successful. If the reattach fails, VSAM RLS data set quiesce support is lost. If this happens, CICS must be restarted.

If it is not possible to restore VSAM RLS quiesce support, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHFCQT

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### AFDF

**Explanation:** An attempt was made to attach a transaction specifying DFHFCRD as the program to be given control, but the transaction was not internally attached by CICS.

DFHFCRD is for use by CICS system transaction CSFR. This provides support for error recovery after a failure of the SMSVSAM server.

**System Action:** The transaction is abnormally terminated. CICS processing continues.

**User Response:** Establish why an attempt was made to illegally attach CSFR, or why a transaction definition specified DFHFCRD as the program to be given control.

**Module:** DFHFCRD

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### AFDG

**Explanation:** CICS system transaction CFOR has failed due to a serious error. CICS messages should indicate the cause of the error.

DFHFCOR provides part of the RLS offsite recovery support.

This abend indicates that this CICS system has completed its RLS offsite recovery, but an error occurred either in attempting to issue message DFHFC0575D which reports this fact, or in attempting to process the reply to message DFHFC0575D.

**System Action:** CFOR is abnormally terminated with a CICS transaction dump. CICS processing continues.

**User Response:** If you are using an automated procedure to check for and reply to message DFHFC0575D, then you should shut this CICS down and restart it specifying OFFSITE=YES again. If you are using manual procedures to check for completion of all RLS offsite recovery and to reply to message DFHFC0575D then you can "tick" this CICS off the list of systems which have completed their recovery, but you must ensure that it is not restarted with OFFSITE=NO until all other CICS systems have completed their RLS offsite recovery. Also note that until the system is restarted, RLS access will not be allowed by this system.

**Module:** DFHFCOR

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### AFDH

**Explanation:** VSAM has returned a response indicating that the RLS lock structure in the coupling facility is full. VSAM RLS is unable to create any new locks.

This abend code is usually issued from various CICS systems residing within the same sysplex.

**System Action:** The transaction which issued the VSAM RLS request is abnormally terminated with a CICS transaction dump. CICS processing continues.

**User Response:** Allocate a larger VSAM RLS lock structure and rebuild the RLS structure into the new larger structure. See *OS/390 MVS Setting up a Sysplex, (GC28-1779) and DFSMS/MVS DFSMSdtp Storage Administration Reference, (SC26-4920)* for further details on creating RLS lock structures and rebuilding lock structures.

**Modules:** DFHEIFC, DFHDMPCA
AGMA

**Explanation:** An attempt to initiate the good morning message transaction was made without specifying a termid for it to be displayed.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Use the dump to determine how the attempt to start the transaction was made. Ensure that no EXEC CICS STARTs are made for the good morning message transaction where no termid is specified.

**Module:** DFHGMM

AICA

**Explanation:** A task has been executing for longer than the runaway time interval (defined by the ICVR operand on the system initialization table macro, DFHSIT) without giving up control. The runaway task condition indicates a possible loop in the application.

**System Action:** The task is terminated with an AICA transaction dump.

**User Response:** See the CICS Problem Determination Guide for guidance on dealing with loops.

**Module:** DFHSRP

AICB

**Explanation:** A RETRIEVE WAIT request has been reissued in system shutdown.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** None

**Module:** DFHICP

AICC

**Explanation:** An incorrect response was returned from a timer (TI) domain request.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFHTAJP, DFHICP

AICD

**Explanation:** A incorrect response was returned from a kernel (KE) domain request.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHICP

AICE

**Explanation:** An incorrect response was returned from a dispatcher (DS) domain request (other than AICG).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHICP

AICF

**Explanation:** An incorrect response was returned from a transaction manager (TM) domain request.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHICP

AICG

**Explanation:** A PURGED response was returned from a dispatcher domain (DS) request, with a reason code of TASK_CANCEL. TASK_CANCEL was returned as the transaction had been explicitly canceled.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Notify your system programmer to determine why the task has been purged.

**Module:** DFHICP

AICH

**Explanation:** The task was purged before a request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Modules:** DFHICP, DFHEIIC
AICJ
Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: See the related message produced by the domain that detected the original error.
Module: DFHICP

AICK
Explanation: Module DFHEIIC has issued a resource level security check (RSLC) request to module DFHXSRC and received a response other than OK or EXCEPTION.
System Action: The transaction is abnormally terminated with a transaction dump.
User Response: Examine the trace to find the exception trace entry created by DFHXSRC at the time of the error. Use this trace entry to determine the cause of the return code from DFHXSRC.
Module: DFHEIIC

AICL
Explanation: DFHEIIC detected an invalid function code in the command level parameter list. This is caused either by a storage overwrite or a CICS internal logic error.
System Action: The transaction is abnormally terminated with a CICS transaction dump.
User Response: If this problem is reproducible, a level 1 trace of the IC and EI components would aid problem determination. Look in the program storage section of the transaction dump and compare argument 0, the exec interface descriptor (EID), for the command being processed with the argument 0 produced by the translator for the same command. Any differences mean that an overwrite of the application program may have occurred. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHEIIC

AICN
Explanation: An incorrect response has been returned from a user domain (US) request.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHICP

AICO
Explanation: An unexpected EXCEPTION response was received from a call to the user (US) domain.
The call was issued during initialization of a transaction that was started without a terminal. The call was made as part of processing to associate the transaction with its intended user. The attempt to associate the intended user with the transaction has failed.
The userid for the intended user of the transaction may not be correctly defined.
System Action: The transaction is abnormally terminated with a CICS transaction dump.
User Response: Determine why the intended user of the transaction is not correctly defined.
Examine messages produced for the CICS job by the external security manager (ESM). This may require the assistance of a security administrator.
It may be necessary to examine the transaction dump to determine why the external security manager has informed CICS that the user is not correctly defined.
When the user has been correctly defined, consider rerunning the transaction.
Module: DFHICXM

AICQ
Explanation: Module DFHDFST is executing at a terminal which is not permitted.
System Action: The transaction is abnormally terminated with a transaction dump.
User Response: Determine why this transaction is executing at a terminal.
Module: DFHDFST

AICS
Explanation: Module DFHDFST has encountered an error during Retrieve processing.
System Action: The transaction is abnormally terminated with a transaction dump.
User Response: Use level 1 trace entries to determine the cause of the failure.
Module: DFHDFST

AICT
Explanation: Module DFHDFST has encountered an error during START processing.
System Action: The transaction is abnormally terminated with a transaction dump.
User Response: Use level 1 trace entries to determine the cause of the error.
Module: DFHDFST
AICR

Explanation: A DFHTC write request has failed for IRC. The return codes within TCATPAPR and TCTEIRET should be examined to determine the cause of failure.

System Action: The CSNC transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRR

AIND

Explanation: The indoubt testing tool issued an EXEC CICS INQUIRE EXITPROGRAM command to inquire on the status of the indoubt testing tool task related user exit program DFHINTRU, and the command failed with an unexpected response.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFHINDT, DFHINDAP

AINE

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERRROR or PURGED) has occurred on an START_LINK_BROWSE command issued by the indoubt tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHINDT

AING

Explanation: An error (DISASTER, INVALID, KERNERRROR, or PURGED) has occurred on an GET_NEXT_LINK call issued by the indoubt testing tool to recovery manager (RM) domain. DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

DFHINDT also provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
**AINH**

**Module:** DFHINDT

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an END_LINK_BROWSE command issued by the indoubt tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHINDT

**AINI**

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an INQUIRE_UOW command issued by the indoubt testing tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHINDT

**AINJ**

**Explanation:** An EXCEPTION response with an unexpected reason occurred on an INITIATE_RECOVERY call issued by the indoubt testing tool to recovery manager (RM) domain. DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHINDT

**AINK**

**Explanation:** An error (DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INITIATE_RECOVERY call issued by the indoubt testing tool to recovery manager (RM) domain. The RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

DFHINDT also provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHINDT

**AINL**

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an SET_RECOVERY_STATUS command issued by the indoubt testing tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHINDT

**AINM**

**Explanation:** An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an TERMINATE_RECOVERY command issued by the indoubt testing tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHINDT
Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an ADD_LINK command issued by the indoubt testing tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINTRU provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHINTRU

Explanation: The indoubt testing tool task related user exit DFHINTRU issued an EXEC CICS INQUIRE TRANSACTION command to inquire whether the current transaction was in the indoubt transaction class DFHTCIND. The command failed with a NOTAUTH response.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: When the indoubt testing tool is active, the task related user exit DFHINTRU is invoked whenever a CICS transaction is started. For all transactions for which command security checking is active (CMDSEC=YES), ensure that the user has read access to resource TRANSACTION. If started transaction resource security checking is specified, for all transactions for which resource security checking is active, ensure that the user has read access to the transaction name in the specified RACF resource class.

For more information on command security and resource security see the CICS RACF Security Guide.

Module: DFHINTRU

Explanation: The indoubt testing tool task related user exit DFHINTRU issued an EXEC CICS INQUIRE TRANSACTION command to inquire whether the current transaction was in the indoubt transaction class DFHTCIND. The command failed with an unexpected response.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: When the indoubt testing tool is active, the task related user exit DFHINTRU is invoked whenever a CICS transaction is started. For all transactions for which command security checking is active, ensure that the user has read access to resource TRANSACTION. If started transaction resource security checking is specified, for all transactions for which resource security checking is active, ensure that the user has read access to the transaction name in the specified RACF resource class.

For more information on command security and resource security see the CICS RACF Security Guide.

Module: DFHINTRU

Explanation: The main method within CICSMain has been invoked with a null COMMAREA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJIIOP

Explanation: The checkBytes method within CICSCommareaMapping has detected an error while trying to map the COMMAREA passed from DFHIIOPA. The COMMAREA length or commareaLength field is invalid.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFJIIOP
AIOC

**Explanation:** The setBytes method within CICSCommareaMapping has detected an error while trying to map the COMMAREA passed from DFHIIOPA. Either the hostnameLength or the commareaLength field is invalid.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFJIIOP

---

AIOD

**Explanation:** The setIIOPDataFromTSQ method within CICSCommareaMapping has detected an error while trying to map from a Temporary Storage queue. The number of items expected, set by DFHIIOPA, does not match the numItems returned by the TSQ readNextItem method.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFJIIOP

---

AIOE

**Explanation:** The setIIOPDataFromTSQ method within CICSCommareaMapping has detected an error while trying to map from a Temporary Storage queue. An unexpected CICS condition was thrown by the TSQ readNextItem method.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFJIIOP

---

AIOF

**Explanation:** The setIIOPDataFromTSQ method within CICSCommareaMapping has detected an error while trying to map a Temporary Storage queue. This is probably due to a mismatch between the length of data expected, set by DFHIIOPA, and the length of data read from the Temporary Storage queue.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFJIIOP

---

AIOG

**Explanation:** The main method within CICSCommareaMapping has detected an error while trying to map the COMMAREA passed from DFHIIOPA. An UnsupportedEncodingException has been caught during conversion of the hostname to a String using codepage 8859_1.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Modules:** DFJIIOP

---

AIIO

**Explanation:** The main method within CICSCommareaMapping has detected an error while trying to map the COMMAREA passed from DFHIIOPA. An unexpected item number has been returned by the TSQ writeItem method.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Modules:** DFJIIOP

---

AIOJ

**Explanation:** The writeIIOPDataToTSQ method within CICSCommareaMapping has detected an error while trying to return a reply to DFHIIOPA in a Temporary Storage queue. An unexpected item number has been returned by the TSQ writeItem method.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Modules:** DFJIIOP

---

AIOK

**Explanation:** The writeIIOPDataToTSQ method within CICSCommareaMapping has detected an error while trying to return a reply to DFHIIOPA in a Temporary Storage queue. An unexpected CICS condition has been thrown by the TSQ writeItem method.

**System Action:** The task is abnormally terminated with a CICS transaction dump.
AIOV

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFJIIOP

---

**AIOV**

**Explanation:** The setBytes method within CICSCommareaMapping has detected an error while trying to map the COMMAREA passed from DFHIIOPA. The COMMAREA version is not supported by this level of DFJIIOP.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Ensure that the service level of the CICS region running the IIOP application is at least as high as that of the region running the reader transaction, CIOR.

**Modules:** DFJIIOP

---

**AIO0**

**Explanation:** When the IIOP/CORBA call was processed it resulted in an abend; probably in the CORBA object or DFJIIOP.

**System Action:** An IIOP SYSTEM_EXCEPTION reply is sent to the client and the task is abnormally terminated with a CICS transaction dump.

**User Response:** Check the system log to determine the reason for the original abend. Resolve the problem and resubmit the request.

**Modules:** DFHIIOP DFHIIOPA

---

**AIO1**

**Explanation:** A call to the Socket domain has failed when the IIOP code was attempting to send or receive data.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFHIIOP DFHIIOPA

---

**AIO2**

**Explanation:** The IIOP/CORBA data stream contained an invalid header or data structure.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFHIIOP DFHIIOPA

---

**AIO3**

**Explanation:** The WRITEQ/READQ TS call detected that the queue has been modified by another process.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFHIIOP DFHIIOPA

---

**AIO4**

**Explanation:** The IIOP transaction CIOF etc. has been started incorrectly, e.g. by CECI START TR(CIOF)

**System Action:** The task is terminated.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFHIIOP DFHIIOPA

---

**AISA**

**Explanation:** The mirror transaction (CSMI) has been attached from some facility other than a terminal. This is not permitted.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Using the dump, check the field TCAFCAAA to identify the invalid attach.

**Module:** DFHMIRS

---

**AISB**

**Explanation:** The mirror transaction (CSMI) has detected errors in the data passed to it from the attaching transaction.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** The invalid input will be visible in the transaction dump. This error is likely to be caused by some mismatch between the two systems. A typical example might be a DL/I request received on a system generated without DL/I.

**Module:** DFHMIRS

---

**AISC**

**Explanation:** The mirror transaction (CSMI) has not received a TIOA from the terminal.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Use the trace in the dump and the dumped TCTTE to analyze the problem further.

**Module:** DFHMIRS

---

**AISD**

**Explanation:** The mirror program executed the request and received a nonzero return code as a result. The data flow control state of the intersystem link being used was such that this information could not be returned normally.

**System Action:** The mirror task is abnormally terminated with a CICS transaction dump.

**User Response:** The transaction dump provided will provide information required to analyze the source of the nonzero return code at its point of origin.

**Module:** DFHMIRS
AISF

**Explanation:** The CICS mirror program DFHMIRS has been attached in an unsupported manner. The principal facility for the mirror transaction is defined as APPC, however the conversation is unmapped.

**System Action:** CICS abnormally terminates the transaction with a transaction dump.

**User Response:** There is a problem with the system that caused the mirror transaction to be attached. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHMIRS

AISG

**Explanation:** The mirror program executed the request and produced the reply. This would not be sent because the data flow control state of the intersystem link was such that this could not be done.

**System Action:** The task (CSMI) is abnormally terminated with a CICS transaction dump.

**User Response:** Use the transaction dump provided to analyze the problem.

**Module:** DFHMIRS

AISH

**Explanation:** The new connection task, CSNC, has been invoked in an incorrect manner (for example, from a terminal or via an EXEC CICS START request).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** None.

**Module:** DFHCRNP

AISI

**Explanation:** A function shipping request was passed by DFHEIP to DFHISIP. This was found to be invalid by the transformer, DFHXFP.

**System Action:** The transaction issuing the function shipping request is abnormally terminated with a CICS transaction dump.

**User Response:** The transaction dump will provide information to further analyze the problem.

**Module:** DFHISIP

AISJ

**Explanation:** The IRC control task CSNC has abended because the attempt to LINK to DFHCRR failed.

**System Action:** CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abnormally terminated.

**User Response:** Ensure that program DFHCRR is available.

**Module:** DFHCRNP

AISK

**Explanation:** The user transaction has been abnormally terminated during the execution of a function shipping request on an APPC session. This has happened because the mirror transaction on the remote system has abnormally terminated, and caused a request for syncpoint rollback to be sent across the session. CICS abends the user transaction in these circumstances so that function shipping remains transparent to the transaction.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check the log on the mirror system to determine the reason for the original abend of the mirror task.

**Module:** DFHISIP

AISL

**Explanation:** The LU services manager transaction has been started directly from a user terminal. This is not permitted.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** None. The LU services manager transaction must be started internally by CICS.

**Modules:** DFHLUP, DFHCLS3, DFHCLS4, DFHZLS1

AISN

**Explanation:** Task CSNC attempted to acquire a SUSPEND TOKEN to enable it to suspend itself until further work arrives. The attempt failed.

**System Action:** CSNC is abnormally terminated with a dump. The IRC facility is disabled.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRNP

AISO

**Explanation:** Task CSNC attempted to suspend itself, awaiting further work. The attempt failed.

**System Action:** CSNC is abnormally terminated with a dump. The IRC facility is disabled.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCRNP

AISP

**Explanation:** A mirror transaction (transaction identifiers CSHR, CSM1, CSM2, CSM3, CSM5, or CSM1) has been invoked with an invalid principal facility. The mirror transaction executes with an MRO session, an LU6.1 session or an APPC session as its principal facility.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Do not attempt to invoke the mirror transaction by entering the transaction identifier at a terminal.

**Module:** DFHMIRS
AISQ

**Explanation:** An EXEC CICS command has been issued against a CPI Communications session. A CPI Communications session is one that has a CPI-Communications Control Block (CPC) associated with it.

**System Action:** The mirror task is abnormally terminated with a CICS transaction dump.

**User Response:** Do not mix EXEC commands with CPI Communications calls on the same end of a conversation.

**Module:** DFHMIRS

**AISR**

**Explanation:** The CICS Inter-Region Session Recovery Program (DFHCRR) has been invoked in an incorrect manner, for example, from a terminal.

**System Action:** The program DFHCRR is abnormally terminated with a CICS transaction dump.

**User Response:** None.

**Module:** DFHCRR

**AISS**

**Explanation:** A security violation has occurred while CICS was attempting to start a conversation with a remote APPC system. The security access level of the requestor was insufficient to access the transaction on the connected APPC system. Depending on the nature of the request and the way security has been set up, the requestor with an insufficient access level can be the local CICS system, the requesting transaction, or the terminal user.

**Note:** DTP programs do not abend with code AISS after a security failure in the remote region.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** First, verify that the access was correctly denied. Then, if required, change the access level.

**Module:** DFHZARM

**AIST**

**Explanation:** An unexpected return code has been returned after a DFHTC TYPE=LOCATE command.

**System Action:** CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

**User Response:** The trace in the system dump should be used to analyze the problem further.

**Module:** DFHCRNP

**AISU**

**Explanation:** An INVALID, DISASTER, or EXCEPTION condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** See the related message from the domain that detected the original error.

**Module:** DFHMIRS

**AISV**

**Explanation:** A PURGED condition has occurred on a call to the storage manager domain (SM) to FREEMAIN a FCENT control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

**System Action:** The task is abnormally terminated with a transaction dump.

**User Response:** Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHMIRS

**AISW**

**Explanation:** An INVALID, DISASTER, or EXCEPTION condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

**System Action:** The task is abnormally terminated with a transaction dump.

**User Response:** See the related message from the domain that detected the original error.

**Module:** DFHCRSP

**AISX**

**Explanation:** A PURGED condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

**System Action:** The task is abnormally terminated with a transaction dump.

**User Response:** Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage.
being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHCRSP

---

**AISY**

**Explanation:** The LU services manager transaction has been started, but invalid parameters have been detected.

**System Action:** The task is abnormally terminated with a transaction dump.

**User Response:** See message DFHZC4921 for further guidance.

**Module:** DFHLUP

---

**AISZ**

- **Explanation:** DFHMXP has received an unexpected reply when committing START PROTECT NOCHECK requests sent on a LUTYPE6.2 synclevel 1 conversation.

  **System Action:** The task is abnormally terminated.

  **User Response:** Determine what happened to transaction CVMI in the partner system. If the START PROTECT NOCHECK requests had been committed, no further action is necessary. If they had not been committed, user-defined action is required to recover from the error.

  **Module:** DFHMXP

---

**AIS1**

**Explanation:** An unexpected return code has been returned after a DFHMROOM FUNC=ENQ command was issued.

This command was issued when enqueuing work for the IRC control task (CSNC) during IRC initialization.

**System Action:** If IRC is being initialized during CICS initialization (as a result of IRCSTRT being specified in the DFHSIT or override parameters), then CICS is abnormally terminated.

If IRC is being initialized during the execution of a CEMT SET IRC OPEN command, then the CEMT transaction is abnormally terminated.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCRSP

---

**AIS2**

**Explanation:** An unexpected return code has been returned after a DFHMROOM FUNC=WAIT_Q command was issued.

This command was issued when waiting for more IRC work to process.

**System Action:** CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated.

All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCRSP

---

**AIS3**

**Explanation:** An attempt to issue a STCK (Store Clock) instruction failed.

**System Action:** CSNC is abnormally terminated with a system dump.

All tasks using MRO links to other systems are abnormally terminated.

All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

**User Response:** Repair or enable the system clock.

**Module:** DFHCRNP

---

**AIS4**

**Explanation:** An unexpected return code has been returned after a DFHMROOM FUNC=ENQUEUE command. This command was issued when enqueuing work to the IRC ‘delayed work’ queue.

**System Action:** CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated.

All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCRNP

---

**AIS5**

**Explanation:** An unexpected return code has been returned after a DFHMROOM FUNC=ENQUEUE command was issued.

This command was issued when enqueuing work to the IRC ‘immediate work’ queue.

**System Action:** CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated.

All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCRNP

---

**AIS6**

**Explanation:** An INVALID, DISASTER or EXCEPTION condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN in a file control read set buffer.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

**System Action:** The task is abnormally terminated with a transaction dump.

**User Response:** See the related message from the domain that detected the original error.

**Module:** DFHMIRS
AIS7

Explanation: A PURGED condition has occurred on a call to the storage manager domain (SM) to FREEMAIN a file control read set buffer.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Investigate the reason why the task was purged. It was purged either by the master terminal operator, or as a result of a deadlock timeout.

Module: DFHMIRS

AIS8

Explanation: An internal logic error has been detected in module DFHMIRS.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMIRS

AIS9

Explanation: The mirror program has detected that a DPL server program has returned in an invalid state following the completion of the LINK command. The server program or a program it linked to has initiated a synclevel 2 conversation with another program which in turn has issued a syncpoint. The server program has not responded to the syncpoint request which is still outstanding when control returns to the mirror program.

The mirror program only issues this abend code if the LINK request did not specify SYNCONRETURN.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Correct the design of the DTP application or applications initiated by the server program. If the SYNCONRETURN option is not specified on the LINK request, only the client program should initiate the syncpoint. If it is necessary to issue syncpoint requests from the DTP applications, consider using the SYNCONRETURN option on the LINK request. See the CICS Intercommunication Guide for further details of the LINK command and its options.

Module: DFHMIRS

AITB

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

This failure is either the result of a task purge, or a CICS logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related diagnostic material produced by the recovery manager domain and determine the reason for the failure. In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHISP

AITC

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

This failure is either the result of a task purge, or a CICS logic error.

System Action: The mirror task is abnormally terminated with a CICS transaction dump.

User Response: See the related diagnostic material produced by the recovery manager domain and determine the reason for the failure. In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMIRS

AITD

Explanation: The mirror program has received an unexpected response from the RX domain.

There are several reasons why this error may occur:

- A request received from an EXCI client is inconsistent with an earlier request in the same Unit of Work
- CICS has received an unexpected response from the Recoverable Resource Management Services component of MVS.
- There has been an internal error in the RX domain.

System Action: The mirror task is abnormally terminated with a CICS transaction dump.

User Response: Use the exception trace provided by the RX domain to determine the reason for the failure. If the error is caused by an inconsistent request from an EXCI client, there may be an error in the client program.

In the other cases, you might need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHMIRS
Normally, only one event should occur, and not both.

**Explanation:** A transaction has executed a transactional EXCI request from a batch region, and has been waiting for one of the following events for longer than the interval specified in the RTIMOUT value for the transaction.

- A further transactional EXCI request from the batch region
- A syncpoint initiated by Resource Recovery Management Services (RRMS).

**System Action:** The mirror task is abnormally terminated with a CICS transaction dump.

**User Response:** Determine why both events have occurred. This situation may arise when an EXCI client times out on a DPL request that CICS is not ready to receive and then proceeds to take a syncpoint. If this is not the case, you may need assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHMIRS

---

**Explanation:** The native method SetAbendForCondition has been passed an Resp value by the Wrapper class.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFJCICS

---

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the related message from the domain that detected the original error.

**Module:** DFHJCP

---

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHJCP
AJCS

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the log manager (LM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the related message from the domain that detected the original error.

**Module:** DFHJCP

AJCT

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the related message from the domain that detected the original error.

**Module:** DFHJCP

AJCU

**Explanation:** A purge response has been received from either the log manager or the recovery manager. The domain that detected the original purge condition provides an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHJCP

# APAR PQ31328

AJH0

**Explanation:** Hotpooling initialization failed before CEEPIPI could be called. Either the address of CEEPIPI was found to be zero in CSZCEEPI, or initialization of the services module DFHAPPIS failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump. Hotpooling cannot be used.

**User Response:** Message DFHAP1224 may be issued to say that
# AJH5

**Explanation:** CICS called HPJDLL to obtain a handle to the Java Program Object services, but HPJDLL returned a null handle.

**System Action:** The task is abnormally terminated with a CICS transaction dump. Hotpooling cannot be used.

**User Response:** Messages DFHAP1219 and DFHAP1222 accompany this abend. Check the action for those messages.

**Explanation:** Check that the level of HPJDLL in the Visual Age for Java Enterprise Toolkit runtime is sufficient to support Hotpooling.

**Modules:** DFHAPLH (DFHAPLH8)

---

# AJH8

**Explanation:** CICS called HPJDLL to load the application's Java Program Object and obtain the main class name, but HPJDLL returned a null main class name.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Messages DFHAP1219 and DFHAP1220 accompany this abend. Check the action for those messages.

**Explanation:** HPJDLL normally throws a Java Exception, which is diagnosed with a message and Java Stack Trace on the CESE destination.

**User Response:** The application program is a Java Program Object. Only Java Program Objects can be invoked directly under Hotpooling.

**Explanation:** Check that the application program was made with a level of the Visual Age for Java Enterprise Toolkit ByteCode Binder which supports Hotpooling.

**System Action:** The program cannot be used in Hotpooling, but might be usable with NoHotpool. Use CEMT or CEDA to turn Hotpooling off and try the application again.

**Modules:** DFHAPLH (DFHAPLH8)

---

# AJH9

**Explanation:** CICS called HPJDLL to run the main class of the application's Java Program Object. On return to CICS, a Java Exception remained unhandled.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Message DFHAP1223 accompanies this abend and gives the main class name. HPJDLL describes the exception with a message and Java Stack Trace on the CESE destination. The application must be changed, either to avoid throwing the exception, or to catch it and handle it before returning.

**Modules:** DFHAPLH (DFHAPLH8)

---

# AJHA

**Explanation:** The CEEPIPI call to DFHAPLH8 to initialize the Java environment failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** The PIPI return and reason codes are captured in a CICS trace entry, and are explained in the Language Environment Programmers Guide (SC28-1939).

**Modules:** DFHAPLH (DFHAPLH1)

---

# AJH1

**Explanation:** The CEEPIPI call DFHAPLH8 to load the application's Java Program Object failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** The PIPI return and reason codes are captured in a CICS trace entry, and are explained in the Language Environment Programmers Guide (SC28-1939).

**Modules:** DFHAPLH (DFHAPLH1)

---

# AJHC

**Explanation:** The CEEPIPI call DFHAPLH8 to run the main class of the application's Java Program Object failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** The PIPI return and reason codes are captured in a CICS trace entry, and are explained in the Language Environment Programmers Guide (SC28-1939).

**Modules:** DFHAPLH (DFHAPLH1)

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# AJHD

**Explanation:** CICS found that the transaction had been purged during a request to a CICS service.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check that the task was cancelled by the CICS operator.

**Modules:** DFHAPLH (DFHAPPIS)

---

# AJHE

**Explanation:** After executing a program, storage or transient data request, CICS failed to reestablish the task on its application TCB. The TCB was not used for anything else during the request, and should have been available.

**System Action:** The task is abnormally terminated.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFHAPLH (DFHAPPIS)

---

# AJHF

**Explanation:** The call to CEEPIPI to terminate the PIPI environment failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** The PIPI return and reason codes are captured in a CICS trace entry, and are explained in the Language Environment Programmers Guide (SC28-1939).

**Modules:** DFHAPLH (DFHAPLH1)
AJ01

Explanation: The main method of the java environment setup class, Wrapper, has been invoked without an argument. Wrapper main expects the class name of the user's main to be passed as the first argument.

The callUserClass method of Wrapper detects this, sets return code INVALID_ARGUMENTS and invokes native method SetAbend to abend the task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFJCICS

AJ02

Explanation: A CICS AbendError has been caught by the java environment setup class, Wrapper.

The callUserClass method of Wrapper detects this, sets return code ABEND_RECEIVED and invokes native method SetAbend to abend the task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See related messages to determine the reason for the original abend.

Modules: DFJCICS

AJ03

Explanation: A CicsConditionException has been caught by the java environment setup class, Wrapper.

The callUserClass method of Wrapper detects this, sets return code CONDITION_RECEIVED and invokes native method SetAbendForCondition to abend the task. The appropriate default abend code for the condition should be issued but, if for some reason this is not possible, an AJ03 abend may be issued.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See related messages to determine the reason for the original CicsConditionException.

Modules: DFJCICS

AJ04

System Action: An unexpected error has been caught by the java environment setup class, Wrapper, attempting to invoke the user class.

The callUserClass method of Wrapper detects this, sets return code UNEXPECTED_EXCEPTION and invokes native method SetAbend to abend the task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFJCICS

AJ05

Explanation: An unhandled exception has been caught by the java environment setup class, Wrapper, as an InvocationTargetException from the user class.

The callUserClass method of Wrapper detects this, sets return code INVOCATION_TARGET_EXCEPTION and invokes native method setAbend to abend the task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFJCICS

AJ07

Explanation: The java environment setup class, Wrapper, has been unable to invoke the user's main method. The class whose name was passed as an input parameter to its CallUserClass method was not found.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: If your java program has been bound using ET/390, check that the -main option correctly specifies, or defaults to, the name of the class containing your main method.

Modules: DFJCICS

AJ09

Explanation: The java environment setup class, Wrapper, has been unable to invoke the user's main method. A public static method, taking either a CommAreaHolder or a String array as input, was not found in the class whose name was passed as an input parameter to the CallUserClass method of Wrapper.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that you have provided a main method, with an appropriate method signature, in the specified class. If your java program has been bound using ET/390, check that the -main option correctly specifies, or defaults to, the name of the class containing your main method.

Modules: DFJCICS

# APAR PQ34321

# AJ10

Explanation: The java environment setup class, Wrapper, has detected that the user's class has used JDBC or SQLJ. It however has been unable to load the DB2 JDBC classes necessary to call back the JDBC/SQL driver for cleanup processing following completion of the user class.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFJCICS
# AJ11

**Explanation:** The Java environment setup class, Wrapper, has detected that the user's class has used JDBC or SQLJ. It however has been unable to find the DB2 JDBC static method to call back the JDBC/SQL driver for cleanup processing following completion of the user class.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFJCICS

# AJ12

**Explanation:** The Java environment setup class, Wrapper, has detected that the user's class has used JDBC or SQLJ. It however has been unable to invoke the DB2 JDBC static method to call back the JDBC/SQL driver for cleanup processing following completion of the user class.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFJCICS

# AJ99

**Explanation:** The Java environment setup class, Wrapper, has detected an AbendException and issued setAbend. The abend code extracted from the AbendException is too long.

**System Action:** Task abnormal termination continues with the abend code set to AJ99

**User Response:** Correct the abend code String used to create the AbendException.

**Modules:** DFJCICS

# AJM1

**Explanation:** The CICS JVM interface issued a JNI_CreateJavaVM request to create a Java Virtual Machine (JVM) under which to run the Java program. The JNI_CreateJavaVM request failed.

**System Action:** Message DFHAP1216 output to destination DFHAP1216 output to destination CSMT contains the pathname specified and the reason why the request failed. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Examine message DFHAP1216 to determine why the change directory request failed. If necessary correct the setting of environment variable CICS_HOME in the DFHJVM member of the SDFHENV dataset.

**Modules:** DFHCJVM

# AJM

**Explanation:** The CICS JVM interface attempted to change the HFS working directory to the pathname specified in the CICS_HOME environment variable. The change directory request failed.

**System Action:** Message DFHAP1216 output to destination CSMT contains the pathname specified and the reason why the request failed. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Examine message DFHAP1216 to determine why the change directory request failed. If necessary correct the setting of environment variable CICS_HOME in the DFHJVM member of the SDFHENV dataset.

**Modules:** DFHCJVM

# AJMB

**Explanation:** The CICS-JVM interface has rejected an attempt to invoke a Java program to run under control of a JVM because a previous JVM for the same CICS task terminated abnormally. The CICS-JVM interface is unable to create a JVM to run the Java program.

This error occurs when the previous JVM was terminated because of a Java program invoking the Java system.exit method and because errors occurred during the subsequent JVM termination. A system.exit invocation causes a forced termination of the JVM and the LE/370 runtime environment.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Examine why the previous JVM termination failed. Wherever possible avoid the use of system.exit to return from Java programs.

**Modules:** DFHAPLJ

# APAR PQ25422

**Explanation:** New abend code AJMC

# AJMC

**Explanation:** The CICS JVM interface attempted to call user replaceable module DFHJVMAT. The call to DFHJVMAT failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Examine destination CEEMSG for messages output by language environment/370 to determine why the call to DFHJVMAT failed.

**Modules:** DFHAPLJ

# AJJ

**Explanation:** The CICS JVM interface attempted to change the HFS working directory to the pathname specified in the CICS_HOME environment variable. The change directory request failed.

**System Action:** Message DFHAP1216 output to destination CSMT contains the pathname specified and the reason why the request failed. The task is abnormally terminated with a CICS transaction dump.

**User Response:** Examine message DFHAP1216 to determine why the change directory request failed. If necessary correct the setting of environment variable CICS_HOME in the DFHJVM member of the SDFHENV dataset.

**Modules:** DFHCJVM
CICS JVM Interface Invoked the JVM to Locate the CICS Wrapper Class

Explanation: The CICS JVM interface invoked the JVM to locate the CICS Wrapper class used to set up the operating environment before executing the user Java class. The JVM failed to find the CICS Wrapper class on the HFS.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the value set for CLASSPATH in the DFHVJVM member of the SDFHENV dataset. The pathname for the CICS supplied dfjwrap.jar must be present in CLASSPATH.

Modules: DFHCJVM

CICS JVM Interface Invoked the JVM to Build an Argument String Needed to Pass to the CICS Wrapper Class

Explanation: The CICS JVM interface invoked the JVM to build an Java argument string needed to pass to the CICS Wrapper class. The build argument string request failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the HFS files used for stdout and stderr (as named by the environment variables STDOUT & STDERR, whose default names are dfhjvmout and dfhjvmerr) for error messages output by the JVM. Also examine destination CEEMSG for error messages output by language environment/370 and the Java Native Interface (JNI). You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFHCJVM

CICS JVM Interface Invoked the JVM to Execute the CICS Wrapper Class and Then the User Java Class

Explanation: The CICS JVM interface invoked the JVM to execute the CICS Wrapper class and then the user Java class. A severe error occurred whilst the JVM was executing causing the JVM to abend, the language environment/370 ESTAE to be run, and control to return abnormally to DFHAPLJ.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the HFS files used for stdout and stderr (as named by the environment variables STDOUT & STDERR, whose default names are dfhjvmout and dfhjvmerr) for error messages output by the JVM. Also examine destination CEEMSG for error messages output by language environment/370 and the Java Native Interface (JNI). You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFHCJVM

CICS JVM Interface Invoked the JVM to Locate the Main Method of the CICS Wrapper Class

Explanation: The CICS JVM interface invoked the JVM to locate the main method of the CICS Wrapper class. The build argument string request failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the HFS files used for stdout and stderr (as named by the environment variables STDOUT & STDERR, whose default names are dfhjvmout and dfhjvmerr) for error messages output by the JVM. Also examine destination CEEMSG for error messages output by language environment/370 and the Java Native Interface (JNI). You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFHCJVM

CICS JVM Interface Issued a Call to Setup CICS Recovery Facilities Prior to Issuing a Call to CICS, for Example Prior to Invoking CICS Trace Domain

Explanation: The CICS JVM interface issued a call to setup CICS Recovery facilities prior to issuing a call to CICS, for example prior to invoking CICS trace domain. The call to setup CICS Recovery facilities failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFHCJVM

CICS JVM Interface Issued a Call to Delete CICS Recovery Facilities After Issuing a Call to CICS

Explanation: The CICS JVM interface issued a call to delete CICS Recovery facilities after issuing a call to CICS, for example after invoking CICS trace domain. The call to delete CICS Recovery facilities failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFHCJVM
Chapter 3. Transaction abend codes

AKJ9

Explanation: The CICS JVM interface issued a fetch to load user replaceable module DFHJVMAT. The native C fetch request failed.

System Action: Message DFHP1217 is output to destination CSMT and the task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that C program DFHJVMAT is present in a dataset in the CICS STEPLIB concatenation. Examine destination CEEMSG for messages output by language environment/370 to determine why the fetch request failed.

Modules: DFHJVMAT

AKCB

Explanation: The CICS transaction manager restart task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code AKCB.

System Action: CICS writes a transaction dump for the transaction manager restart task.

CICS sends three messages to the console, one to identify the error detected by the transaction manager restart task, one to say that the task has failed, and one that gives you the option of canceling CICS or letting it continue. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User Response: Use the messages and dumps to find out the cause of the failure.

Modules: DFHKCRP

AKCC

Explanation: The CICS transaction manager has abended the transaction because the purge threshold of its TRANCLASS has been reached. This is specified by the PURGETHRESH parameter on CEDA DEFINE TRANCLASS. See the CICS Resource Definition Guide manual for more details of this parameter.

System Action: The transaction is abended and messages DFHAC2004 and DFHAC2236 are issued. The transaction dump is suppressed for this abend code.

User Response: Resubmit the transaction. The cause of the abend may be a temporary stress condition in the system.

If the problem persists, determine why the TRANCLASS purge threshold has been reached. Ensure that PURGETHRESH has been specified correctly. Also, ensure that the MAXACTIVE value of the TRANCLASS has not been set too low. Transactions attached after the MAXACTIVE limit has been reached are immediately queued subject to the PURGETHRESH limit.

If PURGETHRESH and MAXACTIVE are set correctly, look for a more general problem which has caused a decrease in the capacity of the system to execute transactions in the TRANCLASS. The decrease might, for example, be caused by a connected CICS region which processes requests for transactions in the TRANCLASS, if this connected region has slowed down.

Examine all resources (files, links, storage, and so on) used by the transactions in the TRANCLASS which is reaching the purge threshold and determine why the capacity of the system is reduced.

Modules: DFHXMAT, DFHXMCL

AKCE

Explanation: While CICS transaction manager was recording changes to a transaction or profile definition, a write to the system log failed.

System Action: CICS terminates the transaction with a transaction dump.

User Response: Use the dumps to find out why the write to the log failed.

Module: DFHKCQ

AKCF

Explanation: While CICS transaction manager was recording changes to a profile definition, a write to the catalog failed.

System Action: CICS terminates the transaction with a transaction dump.

User Response: Use the dumps to find out why the write to the catalog failed.

Module: DFHKCQ

AKCR

Explanation: Transaction manager has received an invalid request code. The last AP F000 trace entry before the program control program (PCP) ABEND TRACE entry (TRACE ID 'F2', request code X '6000' ) will contain the invalid transaction manager request code in the fifth byte of the first section of the trace.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine the cause of the invalid request code and correct the problem.

Module: DFHXCP

AKCS

Explanation: A deadlock timeout condition has been detected. This condition may occur within a transaction that specifies DTIMOUT to be nonzero on its installed transaction definition. Deadlock timeout occurs when a transaction has been waiting or has been suspended for longer than the time specified in DTIMOUT.

The abend may be driven by a variety of internal CICS events, for example:

- A short on storage condition
- A temporary storage shortage
- ENQUEUE
- An ALLOCATE request
- A RETRIEVE WAIT request.

The abend can also occur if CICS stops running for a time, for example while an sdump is taken. This is because deadlock timeout is based on total elapsed time, and not just the time CICS is executing.

Analysis: The transaction receiving the AKCS abend must have been suspended or must be waiting for a reason such as a short on storage, enqueued on a lock, a short on temporary storage, a suspend after RETRIEVE WAIT, a suspend after ALLOCATE, or an implicit ALLOCATE within function shipping or terminal sharing support. If none of these apply, the trace might reveal some event that has caused CICS to stop running for a time.

System Action: The transaction is abnormally terminated. A dump is not provided (even if a dump table entry has been set up)
unless install/delete processing causes this abend, in which case a transaction dump is taken.

**User Response:** The transaction should be reexecuted, and the situation causing the SUSPEND to occur may clear itself.

The AKCS abend is to be expected occasionally, unless DTIMOUT is set to zero. No special action is necessary.

**Module:** DFHXCP

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**AKCT**

**Explanation:** A terminal read-time-out condition has been detected. The transaction has been waiting for a terminal input message for an interval longer than specified in the RTIMOUT value for that transaction.

If an EXEC CICS HANDLE ABEND has been issued for this task, the read that was timed-out is still outstanding. To cancel this read you should issue an EXEC CICS ABEND at the end of the user exit routine so that CICS can clean up the terminal’s TCTTE.

**System Action:** The transaction is abnormally terminated. A transaction dump is not provided.

**User Response:** This abend is a normal one. Coding RTIMOUT in the PROFILE entry asks for the task to be abnormally terminated if the terminal does not send input within the specified time.

**Module:** DFHXCP

---

**AKCV**

**Explanation:** A bad return code was passed as a result of the resume of a task suspended by ICP.

**System Action:** The transaction is terminated with a dump.

**User Response:** Check the response from the resume in the trace to determine the cause of the error.

**Module:** DFHALP

---

**AKC0**

**Explanation:** An attempt has been made to run the CICS internal task CSSY as a user transaction.

**System Action:** CICS terminates the task with a transaction dump.

**User Response:** Investigate why the attempt was made to run CSSY as a user transaction.

**Module:** DFHAPATT

---

**AKC1**

**Explanation:** A DFHKC WAIT request was issued when the ECB was already marked as waiting.

**System Action:** There is a probable user error. The transaction is abnormally terminated.

**User Response:** Correct the program that issued the request.

**Module:** DFHXCP

---

**AKC2**

**Explanation:** A bad response has been received from a dispatcher (DS) domain call.

**System Action:** The transaction is abnormally terminated with a transaction dump and a trace entry.

**User Response:** Examine the trace entry for further information.

**Module:** DFHXCP

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**AKC3**

**Explanation:** The task has been purged, probably due to operator action such as a CEMT TASK PURGE command. The task might also have been purged as a result of CICS issuing a purge request.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Use the transaction dump to determine why the task was purged. In particular, if the purge was operator initiated, the dump should be useful in determining why this task needed to be explicitly purged.

**Modules:** DFHXCP, DFHXMAT, DFHXMCL, DFHXMIQ, DFHXMTA

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**AKC6**

**Explanation:** DFHKC RESUME should always be preceded by DFHKC SUSPEND. If this protocol is violated then the transaction is abnormally terminated with abend code AKC6.

**System Action:** Transaction is abnormally terminated with abend code AKC6.

**User Response:** Examine the trace entry for further information.

**Module:** DFHXCP

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**AKC8**

**Explanation:** A bad response has been received from a call to the kernel (KE) domain during the processing of a task purge request.

**System Action:** The transaction is abended with a transaction dump.

**User Response:** Examine the dump and any exception trace entries for further information.

**Module:** DFHXCP

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**AKC9**

**Explanation:** An incorrect response has been received from a call to the enqueue (NQ) domain during the processing of a DFHKC TYPE=ENQ or a DFHKC TYPE=DEQ request.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Examine the dump and any exception trace entries for further information. Since the DFHKC service is only used for internal enqueues, this abend indicates an error in CICS. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHXCP

---

**AKEA**

**Explanation:** A program check has been detected by the kernel (KE) domain.

**System Action:** If an application is in control, the ASRA abend is presented to the application. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

**User Response:** Look at the kernel domain section of the system dump to determine where the program check has occurred.
AKEB
Explanation: An operating system abend has been detected by the kernel (KE) domain.
System Action: If an application is in control, the ASRB abend is presented to the application. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.
User Response: Check the console for any MVS messages that may have caused this abend.
Look at the kernel domain section of the system dump to determine where the abend has occurred.
Module: DFHKESTX

AKEC
Explanation: The kernel (KE) domain has detected runaway.
System Action: If an application is in control, the AICA abend is presented to the application. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.
User Response: Look at the kernel domain section of the system dump to determine where the runaway has occurred.
Modules: DFHKESTX, DFHKERRU

AKED
Explanation: The kernel (KE) domain has been requested to initiate abend processing as a result of a deferred abend request.
System Action: Abend processing starts for the task that is subject to the deferred abend request.
User Response: The task is not abended with AKED but by an abend code specified by the requestor of the deferred abend. See the description of this abend for further guidance.
Module: DFHKEEDA

AKEF
Explanation: The kernel (KE) domain has detected an error while processing a domain call. The error may have been caused by a domain gate that was not yet active during initialization
System Action: If an application is in control, the transaction terminates with a system dump. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.
User Response: See any related messages from the kernel domain.
Look at the kernel domain section of the system dump to determine where the error has occurred. Check that a call has not been made to a domain gate that has not yet been made active. Check that the caller has NOT specified KERNERROR(YES).
Module: DFHKESTX

AKEG
Explanation: The kernel (KE) domain issued an MVS GETMAIN for kernel stack storage, but the GETMAIN request failed.
System Action: If an application is in control, the transaction terminates with a system dump. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.
User Response: Look at the kernel domain section of the system dump to determine why sufficient storage was not available.
Check that the REGION parameter for the CICS job is large enough. For information about how to do this, refer to the OS/390 MVS JCL Reference.
Module: DFHKESGM

AKEH
Explanation: The transaction was purged while running outside the control of CICS.
System Action: CICS terminates the transaction abnormally.
The EXEC CICS HANDLE ABEND command can not handle this abend.
User Response: Investigate the reason the transaction was purged.
Module: DFHKESTX

AKEI
Explanation: The kernel (KE) domain has detected runaway while the transaction is running outside the control of CICS.
System Action: If an application is in control, the AICA abend is presented to the application. Otherwise, the functional recovery routine of the CICS module which was last in control at the time of runaway detection is given control. This recovery routine produces suitable diagnostics and may terminate CICS.
The EXEC CICS HANDLE ABEND command can not handle this abend.
User Response: See the CICS Problem Determination Guide for guidance on dealing with loops.
Module: DFHKESTX

AKEZ
Explanation: A user attach has failed because there are insufficient kernel tasks available. This indicates an internal logic error.
System Action: Message DFHKE0001 is issued and a system dump is taken. The attach of the user transaction fails.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHKETA
**AKSE**

**Explanation:** A user has generated an addition to the keyword table, but code has not been added to process this keyword.

**System Action:** The transaction is abnormally terminated and a dump is taken.

**User Response:** Add code to process the keyword.

**Module:** DFH99KC

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**ALGA**

**Explanation:** An error has occurred obtaining a lock within the log manager domain.

**System Action:** The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.

**User Response:** See the description of message DFHLG0002 for further guidance.

**Modules:** DFHLGGL, DFHLGJN, DFHLGLD, DFHLGST

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**ALGB**

**Explanation:** An error has occurred releasing a lock within the log manager domain.

**System Action:** The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.

**User Response:** See the description of message DFHLG0002 for further guidance.

**Modules:** DFHLGGL, DFHLGJN, DFHLGLD, DFHLGST

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**ALGC**

**Explanation:** A disaster response has been detected when processing the building block code used by the log manager.

**System Action:** The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.

**User Response:** See the description of message DFHLG0002 for further guidance.

**Modules:** DFHLGGL, DFHLGJN, DFHLGLD, DFHLGST

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**ALGD**

**Explanation:** A disaster response has been detected when processing the building block storage interface code used by the log manager.

**System Action:** The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.

**User Response:** See the description of message DFHLG0002 for further guidance.

**Modules:** DFHLGCM, DFHLGGL, DFHLGJN, DFHLGLD, DFHLGST

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**ALGE**

**Explanation:** An unexpected error has occurred while the log manager was attempting to find a journal model definition.

**System Action:** The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.

**User Response:** See the description of message DFHLG0002 for further guidance.

**Module:** DFHLGJN

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**ALGF**

**Explanation:** An unexpected error occurred when the log manager was attempting an enqueue or dequeue operation.

**System Action:** The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.

**User Response:** See the description of message DFHLG0002 for further guidance.

**Modules:** DFHLGGL, DFHLGJN, DFHLGST

---

**ALGG**

**Explanation:** Transaction CSQC has been issued from a terminal. This is not permitted. The transaction can only be started internally by CICS.

**System Action:** The transaction is abnormally terminated.

**User Response:** Do not try to invoke CSQC from a terminal.

**Module:** DFHLGQC

---

**ALIA**

**Explanation:** CICS has issued a GETMAIN request during the initialization phase for an OS/VS COBOL application program in order to get run time storage for the task global table and working storage areas. However insufficient storage was available to satisfy the request.

**System Action:** CICS abnormally terminates the task. CICS processing continues.

**User Response:** See the related message from the Storage Manager domain where the original error was detected.

**Module:** DFHAPLI

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**ALIB**

**Explanation:** CICS has issued a GETMAIN request during the initialization phase for a C/370 application program in order to obtain run time execution storage. However insufficient storage was available to satisfy the request.

**System Action:** CICS abnormally terminates the task. CICS processing continues.

**User Response:** See the related message from the Storage Manager domain where the original error was detected.

**Module:** DFHAPLI
## ALIC

**Explanation:** CICS has issued a GETMAIN request during the initialization phase for an LE/370 application program in order to obtain run time execution storage above the 31-bit line. However insufficient storage was available to satisfy the request.

**System Action:** CICS abnormally terminates the task. CICS processing continues.

**User Response:** See the related message from the Storage Manager domain where the original error was detected.

**Module:** DFHAPLI

## ALID

**Explanation:** CICS has issued a GETMAIN request during the initialization phase for an LE/370 application program in order to obtain run time execution storage below the 31-bit line. However insufficient storage was available to satisfy the request.

**System Action:** CICS abnormally terminates the task. CICS processing continues.

**User Response:** See the related message from the Storage Manager domain where the original error was detected.

**Module:** DFHAPLI

## ALIE

**Explanation:** CICS has issued a GETMAIN request during the initialization phase for a C/370 application program in order to obtain thread storage. However insufficient storage was available to satisfy the request.

**System Action:** CICS abnormally terminates the task. CICS processing continues.

**User Response:** See the related message from the Storage Manager domain where the original error was detected.

**Module:** DFHAPLI

## ALIF

**Explanation:** CICS has issued a GETMAIN request during the initialization phase for an LE/370 application program in order to obtain run time execution storage above the 31-bit line. However insufficient storage was available to satisfy the request.

**System Action:** CICS abnormally terminates the task. CICS processing continues.

**User Response:** See the related message from the Storage Manager domain where the original error was detected.

**Module:** DFHAPLI

## AMIB

**Explanation:** CICS has been unable to determine the language of the user application program about to be executed. Either the program was compiled against an old level of compiler that is no longer supported by CICS, or the language of the program is not supported by CICS.

**System Action:** CICS abnormally terminates the task and disables the program. CICS processing continues.

**User Response:** Ensure that the program to be run is written in one of the languages and compiled against a level of compiler supported by CICS. See the CICS Application Programming Guide for details of the languages and compilers currently supported.

**Module:** DFHAPLI

## AMIF

**Explanation:** When the mirror task is resumed, a bad response other than a time out or a cancellation was given by the dispatcher.

**System Action:** The mirror transaction is abnormally terminated with a transaction dump.

**User Response:** Use the dump and the trace to determine the cause of the error.

**Module:** DFHMIRS

## AMNA

**Explanation:** An exception response has been received from the monitoring (MN) domain while processing a user event monitoring point (EMP) request. The exception response is produced when the 4-byte DATA1 field in the user parameter contains an invalid address.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Use the transaction dump to determine why the DATA1 value passed to the monitoring (MN) domain was invalid.

**Module:** DFHCPM

## AMNB

**Explanation:** An exception response has been received from the monitoring (MN) domain whilst processing a user event monitoring point (EMP) request. The exception response is produced when the 4-byte DATA2 field in the user parameter contains invalid data.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Use the transaction dump to determine why the DATA2 value passed to the monitoring (MN) domain was invalid.

**Module:** DFHCMP

## AMNZ

**Explanation:** An unexpected error response has been received from the monitoring (MN) domain while processing a user event monitoring point (EMP) request. The exception response is produced when the DATA1 field in the user parameter contains invalid address.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Use the transaction dump to determine why the DATA1 value passed to the monitoring (MN) domain was invalid.

**Module:** DFHCMP

## AMSA

**Explanation:** An input data stream received from a 3270 begins with a set buffer address (SBA) order but is not followed by two 1-byte address fields. This is probably due to a hardware error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** It may be possible to bypass the problem by entering two spaces before the data to be entered.

If the problem persists, you need further assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHMSP
Amsb

Explanation: An internal logic error has been detected in module DFHMSP.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Retry the CMSG transaction, specifying operands in a different order. If this fails, keep the dump and contact your IBM Support Center.

Module: DFHMSP

Amsc

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHMSP

Amsd

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related error message produced by the domain that detected the original error.

Module: DFHMSP

ANQB

Explanation: An error has occurred releasing a lock within the enqueue domain.

System Action: The recovery routine of the module in control is invoked. This routine issues message DFHNQ0002 with a system dump. DFHNQ0002 reports the module in control at the time of the error.

User Response: See the description of message DFHNQ0002 for further guidance.

Modules: DFHNQED, DFHNQIB, DFHNQNQ, DFHNQST

ANCQ

Explanation: An error has occurred obtaining a sysplex enqueue.

The limit for the number of concurrent sysplex resource ENQ requests has been reached.

System Action: Module DFHNQED issues message DFHNQ0103 and the task issuing the EXEC ENQ request is abended.

User Response: See the description of message DFHNQ0103 for further guidance.

Module: DFHNQED

ANQD

Explanation: An error has occurred obtaining a sysplex enqueue.

An unexpected environmental error has been detected.

System Action: Module DFHNQED issues message DFHNQ0104 and the task issuing the EXEC ENQ request is abended.

User Response: See the description of message DFHNQ0104 for further guidance.

Module: DFHNQED

ANQE

Explanation: An EXEC ENQ has been issued on a resource for which the enqmodel is either disabled or in the waiting state.

System Action: Module DFHNQRN issues message DFHNQ0105 and the task issuing the EXEC ENQ request is abended.

User Response: See the description of message DFHNQ0105 for further guidance.

Module: DFHNQRN

APCF

Explanation: A CICS task has invoked a program which was defined as PL/I, but the program was not compiled with a supported PL/I compiler.

System Action: CICS terminates the task, and disables the program.

User Response: Check that the program is PL/I. If the program is PL/I, recompile it with the PL/I optimizing compiler; you may need to change the source program. If the program is not PL/I, redefine it correctly.

Module: DFHAPLI
Explanation: The transaction was purged either by master terminal actions or due to deadlock timeout actions as part of a request to the loader for a usable program copy. Deadlock timeout could be caused by a program whose size exceeds the available space in the DSAs or EDSAs.

System Action: CICS terminates the task with a transaction dump.

User Response: Use the dump to investigate why the transaction was purged. This may be due to waiting for loader resources or for program storage. Check the program size. It may be necessary to increase the overall size limits of the DSAs or EDSAs.

Modules: DFHACP, DFHCRNP, DFHCRSP, DFHDBCT, DFHDBDSC, DFHEDFP, DFHEIIP, DFHEIIPSH, DFHEIQIR, DFHEIQSJ, DFHFCSR, DFHFEP, DFHICP, DFHKQC, DFHMCP, DFHMCEP, DFHMCY, DFHMSP, DFHPCPG, DFHPHP, DFHPSIP, DFHPUP, DFHRDCAL, DFHRTC, DFHSIT, DFHSLJ, DFHSPP, DFHSP, DFHTACP, DFHTBSGB, DFHTCRP, DFHTDX, DFHTFP, DFHTSPA, DFHTSRP, DFHUSBR, DFHXRCP, DFHXXRE, DFHXXSP, DFHZATA, DFHZATD, DFHZCPLN, DFHZGAI, DFHZO00, DFHZNCA, DFHZOPA, DFHZXC

Explanation: A request for a VS COBOL II program could not be executed because a problem has occurred during system initialization for VS COBOL II. This is probably due to the absence of VS COBOL II or Language Environment support.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Redefine the program or ensure that the correct Language Environment or VS COBOL II support is present.

Module: DFHAPLI

Explanation: A request for a PL/I program could not be executed because execution of PL/I programs has been disabled.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Ensure that the PL/I libraries are included in DFHRPL.

Module: DFHAPLI

Explanation: A request for a C program could not be executed either because C/370 was unable to recognize the program as having been compiled under the C/370 Compiler, or because the program was not link-edited with the attribute AMODE(31).

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Ensure that the program is correctly defined to CICS; or, if necessary, recompile the program using the current level of the C/370 Compiler.

Module: DFHAPLI

Explanation: A GETMAIN of storage for LEVEL 2 trace failed during transaction initialization.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHAPXM

Explanation: An attempt to run the program failed because Language Environment/370 was unable to determine its language.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Ensure that the program is correctly defined to CICS.

Module: DFHAPLI

Explanation: An attempt to release an internal CICS program, a mapset, or a partitionset because the program, mapset or partitionset has not been loaded or has already been deleted. This is probably an internal CICS error.

System Action: The transaction is abnormally terminated with a CICS transaction dump. The name of the program for which the RELEASE was attempted can be found in the abend dump at TCA

User Response: This is either an internal CICS error or is due to the overwriting of CICS internal control blocks. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHAM, DFHFED, DFHMCP, DFHMCEP, DFHMCY, DFHPHP, DFHTEBSP, DFHZCPLN

Explanation: An attempt to run the program failed because CICS was unable to make a successful connection with Language Environment/370 to determine the run-time characteristics of the program. This abend is accompanied by message DFHAP1200 which gives the reason code set by Language Environment/370 indicating the nature of the error.

System Action: The transaction is abnormally terminated and the program is disabled.
User Response: Refer to the Language Environment/370 Debugging Guide and Runtime Messages manual for the meaning of the reason code, and take whatever action is necessary to correct the error.

Module: DFHAPLI

APCY

Explanation: In an MVS/ESA environment, a CICS macro request has been issued from a PL/I or COBOL application. Alternatively, it is possible that the application program has been link edited without the EXEC interface module (for example, DFHECI or DFHELII) which is used by the CICS high-level language programming interface. See the CICS System Definition Guide for details of what has to be done to include this module.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Remove the macro request from the application program.

Module: DFHAPLI

APCZ

Explanation: An attempt has been made to run either an 'old-style' application program (that is, a program with a pre-release 1.6 or a DFHE program stub) or an OS/VS COBOL program, either having been link-edited with the RENT or REFR attributes. These types of programs are not reentrant and therefore cannot be loaded into read-only storage.

System Action: The transaction is abnormally terminated.

User Response: Relink the program without the RENT and REFR attributes.

Module: DFHAPLI

APC0

Explanation: A serious error occurred in a call to the program manager domain when trying to link a system program.

System Action: CICS terminates the task with a transaction dump.

User Response: Use the dump to investigate why the error occurred. Look at the trace records prior to the error for abnormal conditions in processing the PGLK domain call. This may be due to a problem with directory manager, loader, or storage manager. Check the program size. It may be necessary to increase the overall size limits of the DSAs or EDSAs.

Modules: DFHPCP, DFHMCY

APC1

Explanation: A request for a TGT exceeding 64KB has been detected.

System Action: CICS abnormally terminates the transaction and disables the installed program definition.

User Response: Change the application program to reduce the working storage requirement. Perform CEMT NEWCOPY and ENABLE for the program when it has been corrected.

Module: DFHAPLI
APC2

Explanation: An illegal branch has been attempted by a Language Environment/370 user program following an abend condition with an active handle label abend. Usually an Out-Of-Block GOTO will have resulted, implying that the program tried to branch to, for example, an inactive block. This abend is accompanied by message DFHAP1200 which gives the reason code set by Language Environment/370 indicating the nature of the error.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Refer to the Language Environment/370 Debugging Guide and Runtime Messages manual for the meaning of the reason code, and amend the program to avoid the GOTO in error.

Module: DFHAPLI

APC3

Explanation: An attempt to run the program failed because the program appeared to be defined to CICS as Language Environment/370 but no Language Environment/370 support was present in the system and no other language environment was able to run the program.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Redefine the program to CICS in a language other than Language Environment/370.

Module: DFHAPLI

APC4

Explanation: A call to the loader domain to define program ILBOCOM failed.

System Action: The transaction is abnormally terminated.

User Response: Check that the library containing the OS/VS COBOL runtime library modules is named in the DFHRPL DD concatenation.

Module: DFHPCPC2

APC5

Explanation: A call to the loader domain to load program ILBOCOM failed.

System Action: The transaction is abnormally terminated.

User Response: Check that the library containing the OS/VS COBOL runtime library modules is included in the DFHRPL concatenation. If it is, obtain and check a trace of the failure. If no reasonable explanation is found (such as lack of storage), you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPCPC2

APC6

Explanation: An internal error has occurred.

System Action: The transaction is abnormally terminated.

User Response: See the associated XF230' Exception trace entry for further diagnostic information. For an ACQUIRE error ensure the associated module is in a library in the CICS DFHRPL concatenation. For an IDENTIFY error make sure that the associated module has not been MVS LOADed for example by the inadvertent link-editing of a VS COBOL II program with a COBOL subprogram.

Module: DFHPCPC2

APC7

Explanation: An MVS IDENTIFY call has given a non zero return code. The IDENTIFY call was being used to make the entry point ILBOCOM0 known to MVS.

System Action: The transaction is abnormally terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPCPC2

APC8

Explanation: An MVS LOAD of ILBOCOM0 has given a non zero return code.

System Action: The transaction is abnormally terminated.

User Response: Ensure the library containing the OS/VS COBOL runtime modules is available to STEPLIB.

Module: DFHPCPC2

APC9

Explanation: An MVS LOAD of ILBOCOM has given a non zero return code.

System Action: The transaction is abnormally terminated.

User Response: Ensure the library containing the OS/VS COBOL runtime modules is available to STEPLIB.

Module: DFHPCPC2

APLx

Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the OS PL/I Optimizing Compiler: Programmer's Guide.

APP1

Explanation: The DFHIC TYPE=GET response code was not a normal response.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Analyze the dump. The response code is in the low-order byte of register 0.

Module: DFHP3270
APP2

**Explanation:** The length of data that has been passed to DFHP3270 via temporary storage is less than or equal to 5.

**Problem Determination:** Register 6 points to the data retrieved from temporary storage via a DFHIC TYPE=GET macro invocation. The layout of this data is:
- Terminal data area length (2 bytes)
- Write control indicator (1 byte)
- Write control or carriage control character (1 byte)
- Data (variable length)

**Analysis:** DFHP3270 has been called to handle a print request from a 3270 Information Display System terminal. It obtains from temporary storage the data to be printed, via a DFHIC TYPE=GET invocation. It ensures that some data to be printed is present. The area returned from temporary storage contains the data to be printed preceded by 4 bytes as described above. DFHP3270 has found that, because the length of data passed to it is less than or equal to 5, there is no data to be printed.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Check the user DFHTEP. If it is not at fault, submit an APAR.

If this abend has occurred, the data that DFHP3270 obtained from temporary storage was probably put there with an incorrect length. The user may have requested indirectly that this data be placed in temporary storage either by an application request for printing (for example ISSUE PRINT) or by pressing the Print Request key. However, CICS should control the data length for this request. Under normal circumstances, the only way the user could have requested directly that data be placed in temporary storage was probably put there with an incorrect length. The user may have requested indirectly that this data be placed in temporary storage either by an application request for printing (for example ISSUE PRINT) or by pressing the Print Request key. However, CICS should control the data length for this request. Under normal circumstances, the only way the user could have requested directly that data be placed in temporary storage was probably put there with an incorrect length.

**Module:** DFHP3270

APP3

**Explanation:** An attempt to request data has been sent to a nonprinter or unsupported device type by either:
- A terminal operator entering CSP as a transaction code, or
- A transaction issuing a DFHTEP request.

**System Action:** The transaction is abnormally terminated. A CICS transaction dump is not provided.

**User Response:**
1. Ensure that the terminal operator ceases to use CSP as a transaction code, or
2. Correct the user DFHTEP program.

**Module:** DFHP3270

APR1

**Explanation:** An abnormal DFHIC TYPE=PUT response code was received during print key processing.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump. The keyboard of the terminal on which the print key was depressed remains locked to indicate the failure of the operation.

**User Response:** Analyze the dump. The response code is in low-order byte of register 0.

**Module:** DFHP3270

Module: DFHPRK

APSJ

**Explanation:** The abending transaction invoked the system spooler initialization program (DFHPSIP) illegally, that is from a program other than the CICS module, DFHSIJ1.

**System Action:** CICS terminates the transaction abnormally. The EXEC CICS HANDLE ABEND command can not handle this abend.

**User Response:** Remove any calls or links to DFHPSIP from your application programs. If you can find no invocation of DFHPSIP in your application, you need further assistance to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHPSIP

APST

**Explanation:** A task issued a SPOOL command without the mandatory NOHANDLE operand.

**System Action:** CICS terminates the task abnormally with a dump.

**User Response:** Correct the syntax of the command, specifying NOHANDLE.

**Module:** DFHEPS

APSU

**Explanation:** The CICS SVC passed an invalid JES interface return code to the CICS system spooler (an MVS subtask).

**System Action:** CICS terminates the task abnormally.

**User Response:** This is an internal error – check any JES failures that occurred at the same time.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHPSIP

APSV

**Explanation:** A storage area for VSAM macro return codes contained an invalid value.

**System Action:** CICS terminates the task abnormally with a dump.

**User Response:** Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHPSIP

APSW

**Explanation:** An abend occurred within a CICS system spooler subtask.

**System Action:** CICS terminates the task abnormally with a dump.

**User Response:** This is an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHPSIP
**APSX**

**Explanation:** A CICS storage area used for notification of invalid parameters contained an invalid value.

**System Action:** CICS terminates the task abnormally with a dump.

**User Response:** Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

**Module:** DFHPSPST

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**APSY**

**Explanation:** A CICS storage area for MVS macro return codes contained an invalid value.

**System Action:** CICS terminates the task abnormally with a dump.

**User Response:** Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

**Module:** DFHPSPST

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**APSZ**

**Explanation:** A CICS area, used to store a JES interface return code, contained an invalid value.

**System Action:** CICS terminates the task abnormally with a dump.

**User Response:** Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

This is an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHPSPST

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**APTI**

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHPUP

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**APUC**

**Explanation:** An internal error was detected when module DFHPUP was invoked. An invalid function code was supplied for a domain call to DFHPUP.

**System Action:**
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHPUP

---

**APUA**

**Explanation:** An internal error was detected when module DFHPUP was invoked. The GETSTG parameter is missing on a call to DFHPUP.

**System Action:**
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHPUP

---

**APUB**

**Explanation:** An internal error was detected when module DFHPUP was invoked. The GETSTG parameter is missing on a call to DFHPUP.

**System Action:**
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHPUP

---

Chapter 3. Transaction abend codes 893
APUD

Explanation: The RDO language definition table (DFHEITSP) could not be located in the library.

System Action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUE

Explanation: The RDO language definition table (DFHEITSP) could not be loaded because of a lack of available storage.

System Action: Processing is abnormally terminated with an operating system dump.

User Response: Allocate more storage and resubmit the offline COPY or APPEND command(s) that failed.

Modules: DFHPUP (Batch environment)

APUF

Explanation: Either the RDO language definition table is invalid or it is missing from the library.

System Action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUG

Explanation: An internal error was detected in module DFHPUP. Storage could not be obtained for the CSD record buffer.

System Action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, storage could not be acquired for a buffer to contain back-translated resource definitions from the CSD.

System Action:
- In a CICS environment, storage could not be acquired for a buffer to contain logged RDO commands in the CEDA transaction.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPUP

APUH

Explanation: An internal error was detected in module DFHPUP. Storage could not be obtained for the argument list.

System Action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPUP

APUL

Note: The description of this abend also applies to APUM, APUN and APUO.

Explanation: CICS cannot find a match for a function code in the language definition table, because the parameterized resource definition contains an unrecognized resource type code.

The abend code issued depends on the DFHPUP operation that was invoked before the error occurred.
The cause of the abend is either:
1. A language definition table (DFHEITSP or DFHEITCU) in the library is invalid for the CICS release you are running, or
2. A CICS logic error has occurred.

System Action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Your response depends on which of the two possible reasons apply:
1. Ensure that the DFHEITSP and DFHEITCU modules in the library are valid for this release of CICS.
2. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPUP

APUQ
Explanation: An internal error occurred in DFHPUP processing of the language definition table for RDO. Too many keywords found in syntax expansion.

System Action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPUP

APUR
Explanation: An internal error occurred in DFHPUP processing of an argument list or a CSD record buffer. The data type for a keyword field conflicts with the data type specified in the language definition table.

System Action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that the module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUS
Explanation: An internal error occurred in DFHPUP processing of a CSD record buffer. The integer data length for a keyword field is invalid.

System Action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that the module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUT
Explanation: An internal error occurred in DFHPUP processing of an argument list or a CSD record buffer. The keyword existence bit number, which is the KEP(1) value in language definition table DFHEITSP, is not valid.

System Action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that the module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP
Module: CICS Messages and Codes

APUZ

Explanation: CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This abend can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System Action:
- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Avoid operations on groups containing definition-types that are unsupported by the CICS release you are running.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem.

See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHPUP

APXA

Explanation: The user transaction's profile could not be found.

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction is not started.

User Response: Check that the profile name in the user transaction definition is correct, and that this profile has been defined.

Module: DFHAPXM

ARCB

Explanation: CICS has attempted to enable a task-related user exit, or a global user exit during initialization, but failed because the exit program could not be found.

On all types of start, CICS attempts to enable DFHEDP, the EXEC DLI task-related user exit. On an emergency restart, CICS enables transaction backout exit programs as specified by the first two TBEXITS system initialization parameters.

On all types of start, CICS attempts to enable file control backout programs as specified by the third, fourth, fifth and sixth TBEXITS system initialization parameters.

System Action: CICS issues a message to the console indicating which exit program is involved. CICS initialization then terminates abnormally with a system dump.

User Response: If the associated message indicates that program DFHEDP could not be found, check that IBM-supplied group DFHEDP is included in the group list used at CICS cold or initial start time.

For transaction backout exit programs, including the file control backout programs, ensure the program has been defined and is in a library available to CICS.

If necessary, use the dump to find out why the exit program could not be enabled.

Module: DFHRCEX

ARHA

Explanation: The SAA resource recovery interface has been invoked with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for ‘CP’ of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCPIR

ARHB

Explanation: The SAA resource recovery interface has been invoked with an invalid number of parameters for the call.

System Action: the transaction is abnormally terminated with a CICS transaction dump.

User Response: The exception trace point produced with this abend contains the SAA resource recovery verb name that was issued incorrectly. Use this to determine where the application program was in error and amend application program accordingly. The SAA Resource Recovery Reference Manual, SC31-6821, provides a detailed description of the SAA resource recovery verbs and how they should be called.

Module: DFHCPIR

ARHC

Explanation: The SAA resource recovery interface has detected an unexpected return code from the syncpoint program. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for ‘CP’ of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCPIR

ARM0

Explanation: An attempt was made to attach a transaction specifying DFHRMXN3 as the program to be given control, but the transaction was not internally attached by CICS.

DFHRMXN3 is for use by CICS system transaction CSKP. This provides support for activity keypoints.

System Action: The transaction is abnormally terminated. CICS processing continues.
**User Response:** Establish why an attempt was made to attach CSKP incorrectly, or why a transaction definition specified DFHRMXN3 as the program to be given control.

**Module:** DFHRMXN3

---

**ARPA**

**Explanation:** An unexpected response from DFHSUSN has occurred when trying to sign off a user of the CRTE transaction in the target system when processing a CANCEL request.

This abend can be caused by incorrect use of the VTAM VARY INACT command. Otherwise it indicates that there may be an error in CICS.

**System Action:** The CSSF transaction (CRTE cancel processor transaction) is terminated with an ARPA abend.

**User Response:** Ensure that the VTAM VARY inact command is used correctly. If this is not the cause of the abend, you need further assistance from IBM to correct this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHRTC

---

**ARPF**

**Explanation:** The alias could not be initialized.

**System Action:** One of the following messages is issued: DFHRP0103, DFHRP0104, DFHRP0106, DFHRP0108, DFHRP0109.

**User Response:** See the user response for the message.

**Module:** DFHRPAS

---

**ARPG**

**Explanation:** The alias was not able to link to the CICS program or the Encode function of the converter one of the following reasons:

- The userid supplied for the alias was not valid.
- The CICS program is not defined as a resource to the external security manager.
- The CICS program name is not valid.
- The CICS program was on a different system from CICS ONC RPC, and the specified system name was not valid.
- The converter program name was not valid.
- The converter program is defined as remote.
- The alias is not authorized to use the converter

**System Action:** One of the following messages is issued: DFHRP0121, DFHRP0131, DFHRP0138, DFHRP0139, DFHRP0141, DFHRP0156, DFHRP0157, DFHRP0159.

**User Response:** See the user response for the message.

**Module:** DFHRPAS

---

**ARPH**

**Explanation:** The alias detected a logic error.

**System Action:** One of the following messages is issued: DFHRP0122, DFHRP0142, DFHRP0160.

**User Response:** See the user response for the message.

**Module:** DFHRPAS

---

**ARPM**

**Explanation:** The alias detected an authorization error.

**System Action:** One of the following messages is issued: DFHRP0119, DFHRP0120, DFHRP0132, DFHRP0134.

**User Response:** See the user response for the message.

**Module:** DFHRPAS

---

**ARPN**

**Explanation:** The alias detected an error in user code.

**System Action:** One of the following messages is issued: DFHRP0161, DFHRP0162, DFHRP0163, DFHRP0169.

**User Response:** See the user response for the message.

**Module:** DFHRPAS

---

**ARPI**

**Explanation:** The alias detected a logic error.

**System Action:** One of the following messages is issued: DFHRP0107, DFHRP0133, DFHRP0135, DFHRP0137, DFHRP0143, DFHRP0144, DFHRP0148, DFHRP0149, DFHRP0155, DFHRP0164, DFHRP0168, DFHRP0170.

**User Response:** See the user response for the message.

**Module:** DFHRPAS

---

**ARPJ**

**Explanation:** The alias ends for one of the following reasons:

- An unexpected response was received from CICS during transaction initialization.
- The external security manager is no longer available.
- The remote CICS region in which the CICS program was running abended.
- The CICS program, which was running in a remote CICS region, abended.
- The reply could not be sent to the client.

**System Action:** One of the following messages is issued: DFHRP0105, DFHRP0132, DFHRP0136, DFHRP0140, DFHRP0145, DFHRP0146, DFHRP0147, DFHRP0150, DFHRP0165, DFHRP0166, DFHRP0167.

**User Response:** See the user response for the message.

**Module:** DFHRPAS

---

**ARPK**

**Explanation:** The alias detected a CICS logic error.

**System Action:** One of the following messages is issued: DFHRP0102, DFHRP0122, DFHRP0142, DFHRP0160.

**User Response:** See the user response for the message.

**Module:** DFHRPAS

---

**ARPL**

**Explanation:** The alias detected an authorization error.

**System Action:** One of the following messages is issued: DFHRP0119, DFHRP0120, DFHRP0132, DFHRP0134.

**User Response:** See the user response for the message.

**Module:** DFHRPAS

---

**ARPN**

**Explanation:** The alias detected an error while trying to switch TCBs.

**System Action:** The following message is issued: DFHRP0151.

**User Response:** See the user response for the message.

**Module:** DFHRPAS

---

**Chapter 3. Transaction abend codes**

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ARPO

**Explanation:** The alias program detected an abend.

**System Action:** One of the following messages is issued: DFHRP0181, DFHRP0182, DFHRP0183.

**User Response:** See the user response for the message.

**Module:** DFHRPAS

ARPU

**Explanation:** The connection manager could not access the CICS ONC RPC data set, and received an error response when it tried to send message DFHRP1512.

**System Action:** None.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHRPC01

ARPV

**Explanation:** The connection manager received an unexpected response from CICS following an EXEC CICS command.

**System Action:** One of the following messages is issued: DFHRP1540, DFHRP1561, DFHRP1954.

**User Response:** See the user response for the message.

**Module:** DFHRPC0E

ARPW

**Explanation:** The connection manager received an unexpected response from CICS following an EXEC CICS command.

**System Action:** The following message is issued: DFHRP1969.

**User Response:** See the user response for the message.

**Module:** DFHRPC0E

ARPX

**Explanation:** The connection manager was started against an invalid terminal.

**System Action:** The following message is issued: DFHRP1522.

**User Response:** See the user response for the message.

**Module:** DFHRPC01

ARPZ

**Explanation:** The connection manager has insufficient authority.

**System Action:** The following message is issued: DFHRP1902.

**User Response:** See the user response for the message.

**Module:** DFHRPC0B

ARP2

**Explanation:** The server controller detected an internal error during CICS ONC RPC enable processing.

**System Action:** One of the following messages is issued: DFHRP0508, DFHRP0509, DFHRP0528, DFHRP0529, DFHRP0590, DFHRP0591.

**User Response:** See the user response for the message.

**Module:** DFHRPMS

ARP4

**Explanation:** The server controller has performed an exception disable because of an internal error.

**System Action:** One of the following messages is issued: DFHRP0503, DFHRP0559, DFHRP0697, DFHRP0726, DFHRP0728, DFHRP0730, DFHRP0741.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHRPMS

ARP5

**Explanation:** An invalid attempt was made to start the server controller.

**System Action:** The following message is issued: DFHRP0640.

**User Response:** See the user response for the message.

**Module:** DFHRPMS

ARP9

**Explanation:** There was not enough storage for the connection manager.

**System Action:** None.

**User Response:** You need further assistance from IBM to resolve this problem. See the CICS External Interfaces Guide and Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHRPMS

ARTA

**Explanation:** The task does not own a terminal as its principal facility.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Ensure that DFHRTE has not been specified as the program for a task other than CRTE. Ensure that CRTE has not been initiated by means other than terminal input.

**Module:** DFHRTE

ARTB

**Explanation:** There is no input TIOA or the data length is zero.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Ensure that DFHRTE has not been specified as the program for a task other than CRTE. Ensure that CRTE has not been initiated by means other than terminal input.

**Module:** DFHRTE
ARTC
Explanation: The link to the required system is not usable for an unknown reason.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHRTE

ARTD
Explanation: An internal logic error has been detected.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHRTE

ARTE
Explanation: An error was encountered when attempting to read from or write to temporary storage.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Determine the cause of the temporary storage problem and correct it.
Module: DFHRTE

ARTF
Explanation: An attempt has been made to use the routing transaction (CRTE) from a terminal that has a permanent transaction code set.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Inform the system programmer.
Module: DFHRTE

ARTG
Explanation: CICS could not find the profile specified for a transaction being routed.
System Action: CICS terminates the task abnormally with a dump.
User Response: Check your transaction and profile definitions.
Module: DFHRTE

ARTH
Explanation: An error (INVALID, DISASTER or EXCEPTION response) has occurred on a call to schedule a remote terminal delete by DFHRTE during sign-off for a surrogate terminal session running CRTE. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).
System Action: CICS terminates the task abnormally with a dump.
User Response: See the related message produced by the domain that detected the original error.
Module: DFHRTE

ARUA
Explanation: An exception condition was returned on the ADD_LINK during the BIND phase of ATTACH for the transaction invoked by the RUN command.
System Action: CICS terminates the invoked transaction abnormally with a dump. The RUN SYNCHRONOUS command that was issued by the application returns with an error response of INVREQ (RESP2 28).
User Response: More details can be found in the trace.
Module: DFHXMRU

ARUB
Explanation: A RUN SYNCHRONOUS command caused an attempt to attach a transaction defined as remote. Only transactions defined as local may be run synchronously.
System Action: CICS terminates the invoked transaction abnormally with a dump. The RUN SYNCHRONOUS command that was issued by the application returns with an error response of ACTIVITYERR or PROCESSERR (RESP2 27).
User Response: More details can be found in the trace.
Module: DFHXMXM

ARUC
Explanation: A RUN SYNCHRONOUS command caused an attempt to attach a transaction with an invalid USERID.
System Action: CICS terminates the invoked transaction abnormally with a dump. The RUN SYNCHRONOUS command that was issued by the application returns with a resp2 value of 27.
User Response: More details can be found in the trace.
Module: DFHXMRU

ARXA
Explanation: A transactional EXCI request has been received from a batch region. CICS has encountered an error when attempting to express interest in an RRMS Unit of Recovery. DFHRXUW provides an exception trace, console message DFHRX0002, and possibly a system dump (depending on the options in the dump table).
System Action: The transaction is terminated with a CICS transaction dump.
User Response: Resource Recovery Services (RRS) may have been shut down after the request was received by CICS. If this is the case, retry the EXCI request once RRS has been restarted. If this is not the case, use the exception trace provided by the RX domain to determine the reason for the failure. You might need further assistance from IBM in this situation. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHRXUW

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Module: CICS Problem Determination

ARXB

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an ADD_LINK call to the recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHRXUW provides an exception trace, console message DFHRX0002, and possibly a system dump (depending on the options in the dump table).

System Action: The transaction is terminated with a CICS transaction dump.


Module: DFHRXUW

ARXC

Explanation: A transactional EXCI request has been received from a batch region when either:

- CICS did not register as a resource manager with Recoverable Resource Management Services (RRMS) because system initialization parameter RRMS=NO was specified.
- The RX domain did not successfully complete its initialization.

System Action: The transaction is terminated with a CICS transaction dump.

User Response: If CICS was started with system initialization parameter RRMS=NO, restart CICS specifying RRMS=YES (or route transactional EXCI requests to another CICS system).

Otherwise, investigate why the RX domain did not initialize successfully. A failure during initialization of the domain is accompanied by a console message and a system dump. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHRXUW

ASCA

Explanation: A DFHSC TYPE=GETMAIN request has resulted in a call to the storage manager (SM) domain which has returned an INVALID or DISASTER response.

System Action: The transaction is terminated with a CICS transaction dump.

User Response: There has been an earlier failure which led to the response from the storage manager domain. Investigate the earlier failure (which is accompanied by a console message and a system dump).

Module: DFHSMSCP

ASCB

Explanation: A DFHSC TYPE=FREEMAIN request has resulted in a call to the storage manager (SM) domain which has returned an INVALID or DISASTER response.

System Action: The transaction is terminated with a CICS transaction dump.

User Response: There has been an earlier failure which led to the response from the storage manager domain. Investigate the earlier failure (which is accompanied by a console message and a system dump).

Module: DFHSMSCP

Module: DFHSMSCP

ASCR

Explanation: A DFHSC macro request has been issued with an invalid request type.

System Action: The transaction is terminated with a CICS transaction dump.

Detection of the invalid request by DFHSMSCP causes a console message and a system dump to be produced.

User Response: Use the associated console message and system dump to investigate the problem.

Module: DFHSMSCP

ASDA

Explanation: The default shutdown transaction (CESD) has been started directly from a terminal. This is not permitted. This transaction can only be started internally by CICS.

System Action: The transaction is terminated with a CICS transaction dump.

User Response: None.

Module: DFHCESD

Module: DFHCESD

ASFA

Explanation: An internal logic error occurred in DFHSFP because of an unexpected response from EXEC CICS. This abend code is usually accompanied by message DFHCE3598 which contains the associated return codes.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHSFP
ASHF

Explanation: An attempt was made to execute the CICS signoff program without an associated terminal.

System Action: CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3598.

User Response: Only use the signoff program when there is a related terminal.

Module: DFHSFP

ASFC

Explanation: An attempt was made to execute the CICS signoff program against an APPC session.

System Action: CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3598.

User Response: Only use the signoff program when there is a related terminal.

Module: DFHSFP

ASHA

Explanation: A command has failed due to a serious failure in a CICS component (resource manager).

System Action: The transaction is abnormally terminated with an abend code ASHA. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSFSP

ASHB

Explanation: A command has failed due to a serious failure in a CICS component (resource manager).

System Action: The transaction is abnormally terminated with an abend code ASHB. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHDUX

ASHR

Explanation: A command has failed due to a serious failure in a CICS component (resource manager).

System Action: The transaction is abnormally terminated with an abend code ASHR. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHDUX

ASHU

Explanation: In the process of transferring the request from one region to another an abend occurred due to a routing failure. The Request cannot be routed to a suitable region. The request is unserviceable.

System Action: The transaction is abnormally terminated with an abend code ASHU. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Check the links between regions are available. Check the Distributed Routing Program name is correct and the program is usable. Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHDUX

ASH2

Explanation: An attempt to service a Scheduler Services request failed due to required resources being unobtainable. This may result in a request being unserviceable or an Activity being marked abended depending on the nature of the failure.

System Action: The transaction is abnormally terminated with an abend code ASH2. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Check that any required links between regions are available. Check the Distributed Routing Program name is correct and the program is usable. Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHDUX

ASH3

Explanation: A transaction bound to a Scheduler Services request has backed out. No other abend code has been set. The SH abend request uses this abend code by default.

System Action: The transaction continues backing out. A subsequent task will process the SH abend request.

User Response: None.

Module: DFHSHDUX

ASH4

Explanation: A Scheduler Services request attempted to attach a transaction that is currently disabled.

System Action: The transaction is abnormally terminated with an abend code ASH4. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Check the status of the transaction. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHDUX
ASIA

**Explanation:** An error has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump. CICS then terminates abnormally.

**User Response:** See the related message from the domain that detected the original error.

**Module:** DFHSI1

ASIB

**Explanation:** An attempt has been made to run the CICS internal task CPLT as a user transaction.

**System Action:** CICS terminates the task with a transaction dump.

**User Response:** Investigate why the attempt was made to run CPLT as a user transaction.

**Module:** DFHSIPLT

ASNA

**Explanation:** An internal logic error occurred in DFHSNP because of an unexpected response from EXEC CICS.

**System Action:** CICS terminates the task with a dump. This abend code is usually accompanied by message DFHCE3548.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHSNP

ASNB

**Explanation:** An attempt was made to execute the CICS sign on program without an associated terminal. This abend code is usually accompanied by message DFHCE3548.

**System Action:** CICS terminates the task with a dump.

**User Response:** Only use the sign on program when there is a related terminal.

**Module:** DFHSNP

ASNC

**Explanation:** The signon program attempted to send a request to the user but failed to do so.

**System Action:** CICS terminates the task with a dump. This abend code is usually accompanied by message DFHCE3548.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHSNP

ASND

**Explanation:** A request from DFHSNTU to ENQ on the address of the SNEX has failed during signoff terminal user.

**System Action:** A transaction is abnormally terminated with a transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHSNTU

ASOA

**Explanation:** The TCP/IP listener task CSOL has been incorrectly started from a terminal. It can only be enabled by the Sockets Domain at CICS system initialization or by using CEMT SET TCPIP OPEN or the equivalent SPI function.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** None.

**Module:** DFHSOL

ASPA

**Explanation:** The task was purged before a request to recovery manager (RM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump. If processing is at a point where data integrity might not be maintained, CICS is abnormally terminated.

**User Response:** Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

If CICS is abnormally terminated, it should be emergency restarted to ensure that data integrity is maintained.

**Module:** DFHAPAC

ASPB

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump. If processing is at a point where data integrity might not be maintained, CICS is abnormally terminated.

**User Response:** See the related message from the domain that detected the original error. If CICS was abnormally terminated, it
Chapter 3. Transaction abend codes

ASPI

Explanation: During CICS synchronization level 1 (synclevel 1) commit, an unexpected FMH or no data has been received from the partner system. Local resources and synclevel 2 partners have been committed, but synclevel 1 function-shipped resource updates may have been backed out.

System Action: The transaction does not abend. CICS synclevel 1 commit processing continues, with the aim of committing as many synclevel 1 resources as possible.

User Response: Examine the transaction dump to determine why the FMH was invalid or missing. It is likely that the error is in the remote system.

See the CICS Family: Communicating from CICS on System/390 for more information about syncpointing.

Module: DFHCR2U

ASPC

Explanation: An error (INVALID or DISASTER) has occurred on a call to the bridge syncpoint routine (DFHBRSP). The domain that detected the original error will have provided an exception trace, and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHAPAC

ASPJ

Explanation: During CICS synchronization level 1 (synclevel 1) commit, unexpected syncpoint message data has been received from the partner system. Local resources and synclevel 2 partners have been committed, but synclevel 1 function-shipped resource updates may have been backed out.

System Action: The transaction does not abend. CICS synclevel 1 commit processing continues, with the aim of committing as many synclevel 1 resources as possible.

User Response: Examine the transaction dump to determine why the message data was invalid. It is likely that the error is in the remote system.

See the CICS Family: Communicating from CICS on System/390 for more information about syncpointing.

Module: DFHAPAC

ASPN

Explanation: A transaction has issued an EXEC CICS RETURN in backout required program state. The backout required program state is set when an application receives or issues an abend, or receives a backout request on a protected conversation.

System Action: The transaction is abnormally terminated. Recoverable resources updated by the unit of work are backed out and locks released. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2216 is sent to the terminal end user if possible, and message DFHAC2246 is sent to transient data destination CSMT.

User Response: To avoid the transaction abend, the application should code an EXEC CICS SYNCPPOINT command before the EXEC CICS RETURN. A syncpoint issued in 'backout required' program state results in a backout being performed, and the ROLLEDBACK condition returned on the EXEC CICS SYNCPPOINT command. If this condition is then handled, a subsequent EXEC CICS RETURN will complete successfully.

Module: DFHAPAC

ASPO

Explanation: An intersystem session failed while a syncpoint was being taken. The intersystem session that failed was the link to the coordinator system. The failure occurred during the indoubt period of syncpoint processing. As a result this CICS system is in doubt as to the outcome of the unit of work for the transaction.

The unit of work is not shunted to await the return of the coordinator system, but is instead unilaterally committed. The unit of work is not shunted for one of the following reasons:

- The transaction definition specifies WAIT(NO).
- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work involves a task related user exit which is not enabled with the INDOUTBWAIT option.
- The unit of work has updated a recoverable transient data destination, which is defined with WAIT(NO).
The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

The unit of work is committed, rather than backed out, because the transaction definition specifies ACTION(COMMIT).

The fact that the unit of work is committed is remembered by the recovery manager (RM) domain until the unit of work is resynchronized with the coordinator system. At this time, according to whether the coordinator system committed or backed out, the recovery manager domain issues resynchronization messages reporting whether or not the resolution of the unit of work in the subordinate system was consistent with the coordinator system.

**System Action:** The transaction is abnormally terminated.

Recoverable resources updated by the unit of work are committed and locks released. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2202 is sent to the terminal end user if possible, and message DFHAC2223 is sent to transient data destination CSMT.

**User Response:** Any updates performed by the unit of work are backed out. There is a danger that recoverable resources will be inconsistent with the coordinator system if the coordinator system has backed out. If the reason for the failure is the first of those listed above and if you wish CICS to ensure that data integrity is maintained, change the indoubt transaction definition to specify WAIT(YES) so that CICS automatically handles indoubt failures and resynchronizes the unit of work when the link to the coordinator system is reestablished.

**Module:** DFHAPAC

**Explanation:** During phase 2 of the two phase syncpoint protocol an error occurred while communicating with a remote system. The error occurred after the recoverable resources were committed or backed out, so data integrity is not in danger.

**System Action:** The transaction is abnormally terminated.

Recoverable resources updated by the unit of work will have backed out or committed depending on the decision taken by the recovery manager (RM) domain, which was not influenced by this later problem. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2211 is sent to the terminal end user if possible, and message DFHAC2231 is sent to transient data destination CSMT.

**User Response:** Refer to earlier messages issued by the communication or remote resource management components of CICS to determine the cause of the intersystem communication problem.

**Module:** DFHAPAC

**Explanation:** Intersystem communication failed while a syncpoint was being taken. Communication with the coordinator system has been interrupted, and the failure occurred during the critical indoubt period of syncpoint processing. As a result this CICS system is in doubt as to the outcome of the unit of work for the transaction.

The unit of work is not shunted to await the return of the coordinator system. Instead it is unilaterally backed out. The unit of work is not shunted for one of the following reasons:

- The transaction definition specifies WAIT(NO).
- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work involves a task related user exit which is not enabled with the INDOUBTWAIT option.
- The unit of work has updated a recoverable transient data destination, which is defined with WAIT(NO).
- The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

The unit of work is backed out, rather than committed, because the transaction definition specifies ACTION(BACKOUT).

The fact that the unit of work is backed out is remembered by recovery manager (RM) domain until the unit of work is resynchronized with the coordinator system. At this time, according to whether the coordinator system backed out or committed, the recovery manager domain issues resynchronization messages reporting whether or not the resolution of the unit of work in the subordinate system was consistent with the coordinator system.

**System Action:** The transaction is abnormally terminated.

Recoverable resources updated by the unit of work are backed out and locks released. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2203 is sent to the terminal end user if possible, and message DFHAC2233 is sent to transient data destination CSMT.

**User Response:** Any updates performed by the unit of work are backed out. There is a danger that recoverable resources will be inconsistent with the coordinator system if the coordinator system has committed. If the reason for the failure is the first of those listed above and if you wish CICS to ensure that data integrity is maintained, change the indoubt transaction definition to specify WAIT(YES) so that CICS automatically handles indoubt failures and resynchronizes the unit of work when the link to the coordinator system is reestablished.

**Module:** DFHAPAC
System Action: The transaction is abnormally terminated. There are no recoverable resources affected in this CICS system. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2222 is sent to the terminal end user if possible, and message DFHAC2252 is sent to transient data destination CSMT.

User Response: Refer to messages on the remote system to determine if the remote resources were backed out or committed.

Module: DFHAPAC

ASP1

Explanation: Intersystem communication failed while a syncpoint was being taken. Communication with the coordinator system has been interrupted, and the failure occurred during the critical indoubt period of syncpoint processing. As a result this CICS system is in doubt about the outcome of the unit of work for the transaction. Alternatively, a transaction may have timed out while waiting for Recoverable Resource Management Services (RRMS) to provide the outcome of the unit of work, or RRMS may have failed during the critical indoubt period.

The transaction definition specifies WAIT(YES) as an indoubt attribute. Therefore the unit of work is not completed but is shunted and allowed to wait for resynchronization with the coordinator system. If the WAITTIME attribute is specified on the transaction definition, the unit of work waits for the specified time. If after that time the coordinator system has not responded, a unilateral decision is made about the unit of work as specified by the ACTION keyword on the transaction definition. A WAITTIME of zero, the default, means an indefinite wait. The unit of work can also be forced to take a unilateral decision by means of a CEMT SET UOW command.

System Action: The transaction is abnormally terminated. The EXEC CICS HANDLE ABEND command cannot handle this abend.

The associated unit of work is shunted awaiting the return of the coordinator system. Recoverable resources updated by the unit of work remain locked. The locks are released when the unit of work is backed out or committed at resynchronization time, or when a unilateral decision is made by this system.

Message DFHAC2201 is sent to the terminal end user if possible, and message DFHAC2231 is sent to transient data destination CSMT.

User Response: None. Any updates performed by the unit of work are resolved automatically when resynchronization with the coordinator system takes place.

Alternatively, the user can force resolution of the updates independently of the coordinator system by making a CEMT request to commit or back out the unit of work.

Module: DFHAPAC

ASP2

Explanation: A syncpoint has been attempted when an intersystem conversation is in a state in which the EXEC CICS SYNCPOINT command is not allowed.

System Action: The task is abnormally terminated with a CICS transaction dump which includes terminal control information. In particular, the dump contains state information for the links used by this transaction. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: Ensure that the application issues an EXEC CICS SYNCPOINT command only when its sync level is in the correct state. The EXEC CICS SYNCPOINT command may be issued only when each conversation is in one of the following states:

- SEND
- PEND-RECEIVE (Not for MRO)
- PEND-FREE
- SYNC-RECEIVE
- SYNC-SEND (Not for MRO)
- SYNC-FREE

Module: DFHAPAC

ASP3

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote. During the syncpoint protocol the remote coordinator has decided that the unit of work cannot be committed and must be backed out.

This error can occur with external resource managers connected to CICS via the resource manager interface (RMI) as well as CICS systems connected via LU 6.2, and MRO. If an external resource manager such as DB2 is the only recoverable resource updated in the transaction, the recovery manager (RM) domain can optimize the syncpoint protocol. In this instance, the external resource manager becomes the syncpoint coordinator. In this instance if the external resource manager returns with a backed out response, an ASP3 abend results.

System Action: The transaction is abnormally terminated and recoverable resources updated by the unit of work are backed out. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2220 is sent to the terminal end user if possible, and message DFHAC2250 is sent to transient data destination CSMT.

User Response: Refer to the remote coordinator system to determine why the unit of work was backed out.

Module: DFHAPAC

ASP7

Explanation: A resource manager involved in syncpoint protocols has replied ‘No’ to a request to ‘Prepare’. The resource manager may be local to this CICS system, or may be a remote resource manager on another CICS system, or an external resource manager communicating through the resource manager interface (RMI).

System Action: CICS terminates the transaction abnormally. Recoverable resources updated by the unit of work are backed out. The EXEC CICS HANDLE ABEND command cannot handle this abend.

If it is a local resource manager that has voted no, message DFHAC2218 is sent to the terminal end user if possible, and message DFHAC2248 is sent to transient data destination CSMT.

If it is a remote resource manager that has voted no, message DFHAC2219 is sent to the terminal end user if possible, and message DFHAC2249 is sent to transient data destination CSMT.

User Response: This abend is caused by a prior problem. For example, the resource manager cannot flush its buffers because of an I/O error, or it cannot communicate with CICS because of a TP failure. Correct the earlier problem.

Module: DFHAPAC
**ASPB**

**Explanation:** The CLS2 transaction was executing exchange log names with a remote system when a logic error occurred.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCRRSY

---

**ASQC**

**Explanation:** The CLS2 transaction was attached with an unexpected start code. The transaction can be attached due to terminal input (on a communications session), or via a system attach. Neither of these methods was used.

**System Action:** The transaction is abnormally terminated.

**User Response:** The error indicates an invalid attempt to start the transaction.

**Module:** DFHCRRSY

---

**ASQD**

**Explanation:** The CLS2 transaction was attached but could not use the transaction manager interface to obtain input parameters.

**System Action:** The transaction is abnormally terminated.

**User Response:** The error indicates a failure in the transaction manager. See the exception trace entries produced by the transaction managed to determine the reason for the error.

**Module:** DFHCRRSY

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**ASQE**

**Explanation:** The CLS2 transaction was executing exchange log names or resynchronization with a remote system when a logic error occurred.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCRRSY

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**ASQF**

**Explanation:** The CLS2 transaction was executing exchange log names with a remote system and 3 retry attempts have failed to solicit a warm exchange log names reply, in response to a warm exchange log names request sent by CICS.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** This abend indicates an error in the remote system. It should have saved the log name sent by CICS and, on receiving a later exchange lognames request, should then respond with a warm reply.

**Module:** DFHCRRSY

---

**ASQG**

**Explanation:** The CLS2 transaction was executing resynchronization work and has failed during the receipt of data from remote system via an MRO session. The data was longer than expected.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** The abend indicates a CICS logic error, possibly in the remote system. The transaction storage in the dump shows the data received. The transaction trace shows the preceding flows.
between the systems, which should match those documented in the SNA LUs.2 Reference: Peer Protocols manual, SC30-6808.

You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRRSY

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**ASQL**

**Explanation:** The CLS2 transaction was executing resynchronization work and has failed during the receipt of data from remote system via an MRO session. The data was shorter than the minimum length expected.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** This indicates a CICS logic error, possibly in the remote system. The transaction storage in the dump shows the data received. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRRSY

---

**ASQM**

**Explanation:** A CICS internal logic error has occurred in the management of dynamic storage for the resynchronization program.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** This indicates an error in the CICS recovery manager (which may have produced its own exception trace records) or in the resynchronization program itself. Look at the trace records and the CSMT message log for further information. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCRRSY

---

**ASRA**

**Explanation:** The task has terminated abnormally because of a program check.

**System Action:** The task is abnormally terminated and CICS issues either message DFHAP0001 or DFHSR0001. Message DFHSR0622 may also be issued.

**User Response:** Refer to the description of the associated message to determine the cause of the original operating system abend, and take the necessary corrective action.

Module: DFHSRP

---

**ASRB**

**Explanation:** An operating system abend has occurred and CICS has been able to abend the current transaction.

**System Action:** The task is abnormally terminated and CICS issues either message DFHAP0001 or DFHSR0001

**User Response:** Refer to the description of the associated message to determine the cause of the original operating system abend, and take the necessary corrective action.

Module: DFHSRP
ASRD

Explanation: The task has been abnormally terminated for one of these reasons:

- A program contains an assembler macro call which is no longer supported by CICS.
- An invalid attempt has been made to access the CSA or TCA. This abend could be caused by an attempt to address the CSA through OS/VS COBOL BLL cells. For example:

  When an OS/VS COBOL program is invoked by CICS for MVS, CICS inserts the address of the fetch-protected dummy CSA into the first of the application-managed BLL cells. If an attempt is made to access this storage before the application has reinitialized the BLL cell, abend ASRD will occur.
- A non-assembler program has been wrongly defined to CICS as an assembler program.

This error appears as a program check.

System Action: The task is abnormally terminated and CICS issues message DFHSR0618, followed by either DFHAP0001 or DFHSR0001.

User Response: Refer to the description of the associated messages to determine and correct the error.

For more information about OS/VS COBOL BLL cells and associated problems, see the CICS Problem Determination Guide.

Module: DFHSRP

ASRE

Explanation: The task has been abnormally terminated because an attempt has been made to access a CICS-DB2 RCT load module.

The RCT no longer exists as a load module and cannot be accessed directly.

To access information held in the RCT use the CICS SPI commands EXEC CICS INQUIRE/SET DB2CONN, EXEC CICS INQUIRE/SET DB2ENTRY and EXEC CICS INQUIRE/SET DB2TRAN.

This error appears as a program check.

System Action: The task is abnormally terminated and CICS issues message DFHSR0619, followed by either DFHAP0001 or DFHSR0001.

User Response: Change the application to use the CICS SPI commands to retrieve data from, or set fields in, the RCT.

Module: DFHSRP

ASRK

Explanation: The AP domain recovery stub, DFHSR1, has been invoked to deal with a program check, operating system abend, or another error within a transaction environment. However, DFHSR1 has been unable to call the system recovery program, DFHSRP, because register 12, which should be pointing to the task control area (TCA), is null. This indicates that the caller of DFHSR1, has not set the address of the TCA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHSR1

ATCA

Explanation: The system was in a final quiesce mode when the CICS application program issued a DFHTC macro.

System Action: The task requesting the I/O is abnormally terminated with a CICS transaction dump.

User Response: None.

Module: DFHZARQ

ATCB

Explanation: The CICS application program issued two consecutive DFHTC writes or two consecutive DFHTC reads, but in either case did not issue an intervening wait.

Problem Determination: A transaction dump is provided with this abend. In the dump, register 12 addresses the current TCA, and register 10 and the field TCACFAAC address the TCTTE associated with this task. In TCATPOS2, bit TCATPOWR (X'01') indicates that a write is requested by the DFHTC macro, and bit TCATPORR (X'10') indicates that a read is requested. In TCTTEOS, bit TCTTEORR (X'01') indicates that a write is in progress, and bit TCTTEWR (X'10') indicates that a read is in progress.

Analysis:

<table>
<thead>
<tr>
<th>Register</th>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R10=0TCCTE</td>
<td>TCZARQ05</td>
<td>Bit TCATPOWR is on in byte TCATPOS2, and bit TCTTEORR is on in byte TCTTEOS.</td>
</tr>
<tr>
<td>R12=0TCA</td>
<td>(TCZARQ1W)</td>
<td>TCATPOWR is on in byte TCATPOS2, and bit TCTTEORR is on in byte TCTTEOS.</td>
</tr>
<tr>
<td>R10=0TCCTE</td>
<td>TCZARQ05</td>
<td>Bit TCATPOWR is on in byte TCATPOS2, and bit TCTTEORR is on in byte TCTTEOS.</td>
</tr>
<tr>
<td>R12=0TCA</td>
<td>(TCZARQ2W)</td>
<td>TCATPOWR is on in byte TCATPOS2, and bit TCTTEORR is on in byte TCTTEOS.</td>
</tr>
<tr>
<td>R10=0TCCTE</td>
<td>TCZARQ12</td>
<td>Bit TCATPOWR is on in byte TCATPOS2, and bit TCTTEORR is on in byte TCTTEOS.</td>
</tr>
<tr>
<td>R12=0TCA</td>
<td>(TCZARQ1W)</td>
<td>TCATPOWR is on in byte TCATPOS2, and bit TCTTEORR is on in byte TCTTEOS.</td>
</tr>
</tbody>
</table>

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Take corrective action within the program being executed.

This is almost certainly an application program error. Determine the flow of control through the application and determine why an intervening wait is not issued. The trace table may be useful to discover where the application is issuing the read and write requests. If necessary, start trace or auxiliary trace using the master terminal command and rerun the transaction to obtain a trace. The output of the auxiliary trace can be printed using the trace utility program, DFHTU530.

Module: DFHZARQ
Chapter 3. Transaction abend codes

ATCD

**Explanation:** This abend code is used whenever a CTYPE request or a QUEUE request is issued and VTAM or a ZCP function has not been included in the system.

It is also used to abend a task that issues an APPC command when the CICS system is not at a level to support APPC.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the transaction so that it does not issue more than one consecutive WRITE to a pipeline session terminal.

**Modules:** DFHZDSP, DFHZERH

ATCF

**Explanation:** A DFHTC CTYPE macro was issued to a non-VTAM terminal control table terminal entry (TCTTE), or a DFHTC CTYPE=COMMAND or RESPONSE macro was issued to a VTAM TCTTE.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Ensure that the program issues CTYPE macros to VTAM terminals only, and does not issue CTYPE=COMMAND or RESPONSE to a VTAM TCTTE.

**Module:** DFHZCRQ

ATCC

**Explanation:** An application program, using a pipeline session, has either issued more than one write request or issued a read request.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the application program so that it will not issue more than one consecutive WRITE to a pipeline session terminal.

**Module:** DFHZARQ

ATCG

**Explanation:** A CICS application program has issued a DFHTC request for a terminal that it does not own. The problem of ownership may be because the task previously issued a WRITE, LAST request (which would have detached the terminal from that task) or because the task incorrectly specified the terminal to which the request is directed.

**Problem Determination:** Register 12 addresses the current TCA and register 10 contains the address of the TCTTE. The address of the TCTTE was obtained either from TCAFCAAAA in the case of a non-ISC transaction, or from TCATPTA if bit TCATPTTA (X'40') is on in byte TCATPOC3 (this indicates that TERM=YES was specified on the DFHTC request and that this is an ISC transaction). In the TCTTE thus located, the field TCTTECA does not contain the address of the TCA, indicating that this TCA is not owned by this task.

**Analysis:** A DFHTC request has been issued specifying a TCTTE in the field TCTTECA does not contain the address of the TCA.

**Register** | **Label** | **Description**
---|---|---
R10=TCTTE | TCZARQ05 | TCTTECA is not equal to register 12.
R8=0 | | Register 8 has been loaded

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** This is most probably an application error (unless storage has been completely overwritten). Determine the flow from the trace table and when a request to the DFHZCP detach routine, DFHZDET, or a DFHTC WRITE, LAST was issued.

**Module:** DFHZARQ

ATCE

**Explanation:** A CICS application program has issued a DFHTC request without specifying the address of a TIOA, but the request is not an ERASE ALL UNPROTECTED or a READBUF request for a 3270 data stream terminal.

**Problem Determination:** A transaction dump is provided with this abend. In the dump, register 12 addresses the current TCA, and register 10 and the field TCAFCAAAA addresses the TCTTE associated with this task. Register 8 and TCTTEDA should contain the address of the TIOA to be used in the I/O request, but actually they contain zero. For a 3270 data stream terminal, byte TCTETDST has bit TCTETTSI (X'01') set. An erase-all- unprotected request is indicated by the setting of bit TCTTEEUI (X'40') in byte TCTTEEUB, and a read buffer request is indicated by the setting of bit TCTTERBI (X'80') in byte TCTTERBB.

**Analysis:**

<table>
<thead>
<tr>
<th>Register</th>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R10=TCTTE</td>
<td>TCZARQ41</td>
<td>NIOBAR (register 8) contains zero.</td>
</tr>
<tr>
<td>R8=0</td>
<td></td>
<td>Register 8 has been loaded field TCTTEDA of the TCTTE associated with this task.</td>
</tr>
</tbody>
</table>

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the error in the user program by ensuring that a terminal input/output area (TIOA) is provided at write time.

This is almost certainly an application program error. Determine the flow of control through the application and determine why a TIOA has not been specified.

**Module:** DFHZARQ

ATCH

**Explanation:** The task was purged before a domain call was able to complete successfully. The task that first detected the purged condition provides an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction, or by CICS issuing a purge request.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage
**ATCI**

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to module DFHRTSU. The module that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the related message produced by the module that detected the original error.

**Modules:** DFHZSUP DFHMRXM DFH62XM

**ATCJ**

**Explanation:** This abend is issued by DFHZATA in the following circumstances:

- Transaction CATA is issued from a terminal
- The address of the AWE (TCAFCAA) is 0
- The AWE is invalid (TCTWETYP should be TCTTEAWE)
- An abend is issued early in DFHZATA.

This abend is issued by DFHZATD in the following circumstances:

- Transaction CATD is issued from a terminal
- The address of the AWE (TCAFCAA) is 0
- TCAFCAA is an AWE and not a terminal
- An abend is issued early in DFHZATD.

This abend is issued by DFHZATR in the following circumstances:

- Transaction CATR is issued from a terminal
- An abend is issued early in DFHZATD.

**System Action:** CICS rejects the request.

**User Response:** Determine the issuing program and the reason for the abend and take the appropriate action as follows:

Do not try to invoke CATA, CATD or CATR from a terminal.

If the address in TCAFCAA is incorrect, the calling mechanism has failed. This is a CICS logic error.

If an abend has been issued, use the transaction dump to determine where the abend occurred. This is a CICS logic error.

**Modules:** DFHZATA DFHZATD DFHZATR

**ATCN**

**Explanation:** An error has occurred during the automatic journaling or automatic logging of the initial input message of this transaction. The message being logged will be one associated with an explicit READ or WRITE in the application program.

**Problem Determination:** Register 12 addresses the current TCA and field TCAJAAAD and register 4 address the JCA. The log manager request is contained in JCATR2 and the response code is in JCAJCR.

**Possible request codes are:**

- X'8001' - WRITE
- X'8003' - PUT

**Possible response codes are:**

- X'01' - IDERROR - Journal identification error
- X'02' - INVREQ - Invalid request
- X'03' - STATERR - Status error
- X'05' - NOTOPEN - Journal not open
- X'06' - LERROR - Journal record length error
- X'07' - IOERROR - I/O error.

The address of the TIOA is contained in register 8 and its data length is in TIOATDL.

**Analysis:**

**Register** | **Label** | **Description**
--- | --- | ---
R4 | 0JCA | TCZARQJP JCAJCR is nonzero.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Use the dump to ascertain why the journal or log record could not be written correctly. If a journal record length error is indicated, TIOATDL may have been corrupted.

**Modules:** DFHETL, DFHTPCPM, DFHZARQ

**ATCL**

**Explanation:** An error has occurred either during automatic journaling or automatic logging of terminal messages to or from this transaction. The message being logged will be one associated with an explicit READ or WRITE in the application program.

**Problem Determination:** Register 12 addresses the current TCA and field TCACJAAAD and register 4 address the JCA. The log manager request is contained in JCATR2 and the response code is in JCAJCR.

**Possible request codes are:**

- X'8001' - WRITE
- X'8003' - PUT

**Possible response codes are:**

- X'01' - IDERROR - Journal identification error
- X'02' - INVREQ - Invalid request
- X'03' - STATERR - Status error
- X'05' - NOTOPEN - Journal not open
- X'06' - LERROR - Journal record length error
- X'07' - IOERROR - I/O error.

The address of the TIOA is contained in register 8 and its data length is in TIOATDL.

**Analysis:**

**Register** | **Label** | **Description**
--- | --- | ---
R4 | 0JCA | TCZARQJP JCAJCR is nonzero.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Use the dump to ascertain why the journal or log record could not be written correctly. If a journal record length error is indicated, TIOATDL may have been corrupted.

**Modules:** DFHETL, DFHTPCPM, DFHZARQ
ATCO

Explanation: An application program has attempted to perform a function not supported by a terminal or system.

Possible errors are:

1. **SIGNAL not supported.**
   - A DFHTC TYPE=SIGNAL request with the WAIT=YES option was issued to a VTAM logical unit that CICS does not support for the receipt of the SIGNAL indicator.

2. **WRITE STRUCTURED FIELD not supported.**
   - This write may have been attempted as a result of a SEND command with the STRFIELD keyword to a device that does not support this function.

3. **APPC mapped conversation not supported.**
   - The application has attempted to perform a normal terminal control command on a session that is in use for an APPC unmapped conversation. (Only EXEC CICS GDS commands are permitted.)

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program.

Module: DFHZARQ

ATCQ

Explanation: The application program issued a write operation to a terminal that was in send status. In order to allow this write to proceed, a signal command was sent, and DFHZCP started to read data from the terminal waiting for the change direction indication. As each data record is received, it is placed on temporary storage and, for one of these operations, a temporary storage error has occurred.

Problem Determination: Register 12 addresses the current TCA. TCACCSV1 contains a saved copy of TCATSTR containing the temporary storage response code. The temporary storage response code may be one of:

```
X'01' - ENERROR - Entry error
X'02' - IDERROR - Identification error
X'04' - IOERROR - I/O error
```

The temporary storage identification is constructed by concatenating the character string “DFHQ” with the terminal identification from TCTTETI. The temporary storage identification is placed in TCATSIDI.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine the cause of the temporary storage error and correct it.

If a temporary storage identification error is indicated, examine TCTTETI for a valid terminal identification.

Module: DFHZRAR
**ATCS**

**Explanation:** An application program attempted to send data to a logical unit after a SIGNAL data flow command with an RCD (request change direction) has been received. This condition arises when the application handles the IGREQCD exceptional condition incorrectly.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Handle the IGREQCD exceptional condition correctly.

**Module:** DFHZARQ

---

**ATCU**

**Explanation:** An attempt to build a surrogate TCTTE to represent a remotely-owned terminal failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Modules:** DFHZZSUP DFHMRXM DFH62XM

---

**ATCV**

**Explanation:** An application attempted an operation on a logical unit, but was not in the correct mode for one of the following reasons:

1. When issued by DFHZARQ, CICS cannot perform the current request because another request is outstanding (EIBSYNC is set). This holds for APPC or non-APPC systems.
2. When issued by DFHETL, the application is communicating with an APPC system, and is not in the correct state to perform the attempted operation. This holds for APPC systems only.
3. When issued by DFHZISP, a TCTTE free was requested, and there is an outstanding sync point request. This holds for non-APPC systems only.
4. When issued by DFHZISP, a TCTTE free was requested, the TCTTE is in receive mode, and RAQ=NO was specified in the installed profile definition. This holds for non-APPC systems only.

**Problem Determination:** Register 12 addresses the current TCA. Register 10 and field TCAFCAA (X’02’) set if sync point is required, and TCTEUFR (X’04’) set if Free Session is required; TCTESMDI has TCTEUFSM (X’02’) set if the application is in SEND mode. TCTERC (X’01’) set if the application is in RECEIVE mode. Bit TCTSRsq (X’80’) in byte TCTERQ indicates that read-ahead queuing is coded on the installed profile definition for this transaction.

The type-of-request bits in the TCA are set as follows:

- TCHR (X’01’) Send requested.
- TCHR (X’03’) Free TCTTE.
- TCHR (X’10’) Receive requested.
- TCHR (X’12’) Send requested.

**Analysis:**

<table>
<thead>
<tr>
<th>Number</th>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>TCZAWB</td>
<td>Attempting to receive when sync point or Free Session outstanding.</td>
</tr>
<tr>
<td>2.</td>
<td>TCAQW</td>
<td>Attempting to send while in receive mode.</td>
</tr>
<tr>
<td>3.</td>
<td>ZARQPG</td>
<td>Issuing SIGNAL while in send mode.</td>
</tr>
<tr>
<td>4.</td>
<td>ZISPVTCK</td>
<td>Attempting to free session while sync point request is outstanding.</td>
</tr>
</tbody>
</table>

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** The response depends on the reason for the error as follows:

1. Issue a sync point and then issue the request.
2. Issue the free request and reallocate the session.
3. Either change the application to issue receives until EIBRECV is not set, or specify RAQ=YES in the installed profile definition. (If RAQ=YES is specified, ensure that all input messages are read before the transaction is terminated.)
4. See the *CICS Distributed Transaction Programming Guide* where rules for the correct use of commands are given. Then correct the application.

**Analysis:**

The application program has attempted an operation on a logical unit that is invalid, because the program’s current status on the session with that logical unit does not permit it. An investigation of the TCTTE (that is, Session), status bytes, and TCA type of request bytes will reveal which of the above problems are relevant.

When the cause of the problem has been ascertained, the application program should be changed to ensure that the session-oriented information is acted upon before any further requests are sent across that session. The session status information is made available to the application program in the exec interface block (EIB) immediately following the execution of RECEIVE, CONVERSE, or RETRIEVE requests across the session. The relevant bytes must be tested, strictly in the order shown, and acted upon, before any further operations are attempted on the session. In addition, the status information bytes themselves are necessarily volatile in that they are reset before the execution of every EXEC CICS... statement. Thus it is good programming practice to save them into application user storage after a RECEIVE, CONVERSE, or RETRIEVE for later testing. The states are:

1. **EIBSYNC** the application must take a syncpoint
2. EIBFREE  the application must free the session (or terminate when the session will be freed automatically)

3. EIBRECV  the application must continue receiving data by issuing further RECEIVE commands; by definition, data cannot be sent while in this state.

Some of these status tests can sometimes be omitted (for example, testing of the EIBSYNC status is not essential if it is known that the application program on the remote system never issues sync point requests itself). However, the tests should always be carried out, particularly if the remote application might be amended at a future date, in which event the session handling logic may well be altered. Also, it may be that the remote transaction itself causes an unsuspected flow on the session. For example, if the remote program issues EXEC CICS SEND....... LAST across the session, followed by RETURN, a syncpoint request (RQD2) will be added onto the transmitted data. (The application programmer is referred to the CICS Distributed Transaction Programming Guide for a discussion of this topic). As a result of this addition, an unsuspected syncpoint request is received by the local application, which abend if the session is freed without the sync point request being honored.

Note: An ATCV abend is also raised by module DFHETL if a state error occurs during processing of an APPC mapped application (that is, the program attempts to perform an operation while in the wrong state). The handling of APPC mapped applications is described in the CICS Diagnosis Reference. Some commands are processed by DFHZARQ, as above, and others by various other modules invoked by DFHETL. Rules for using commands for APPC are given in the CICS Distributed Transaction Programming Guide. Reference to this guide should reveal the programming error.

Modules: DFHETL, DFHZARQ, DFHZISP

ATCW

Explanation: The system has been generated without an installed profile definition for an LU6.1 or APPC session.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer of the error.

Modules: DFHZSLS

ATCX

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

An application program that issues terminal control requests after an ATCX abend may cause further problems.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Modules: DFHBSMIR, DFHBSMPP, DFHBSM62, DFHBS, DFHBSTB, DFHBSTB3, DFHBSTC, DFHBSTZ, DFHBSTZB, DFHBSTZO, DFHBSTZR, DFHBSTZV, DFHBSTZ1, DFHBSTZ2, DFHBSZZS, DFHAPRT, DFHCRP, DFHQRY, DFHZARL, DFHZARQ, DFHZERH, DFHZGET, DFHZFRF, DFHZNAC, DFHZRVS, DFHZSUP, DFHMRXM, DFH62XM DFHZTSP, DFHZXST

ATCY

Explanation: An error has occurred during the processing of an inbound function management header (FMH). Either a length error has been detected, for example, incomplete FMH received, or an invalid field has been detected within the FMH.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer of the error. The problem is probably in the remote session that has sent the invalid FMH.

If the inbound FMH is from a system with an earlier release of CICS then you may need to set USEDFLTLUSER. See 'Attach Time Security and the USEDFLTLUSER option' in chapter 12 of the CICS RACF Security Guide.

Modules: DFHZARQ, DFHZSUP DFHMRXM DFH62XM

ATCZ

Explanation: An error (INVALID, DISASTER or EXCEPTION response) has occurred on the SET_NETWORK_IDENTIFIER call to the security domain as part of opening the CICS VTAM ACB (for example, EXEC CICS SET VTAM OPEN or CEMT SET VTAM OPEN). The domain that detected the original error provides an exception trace, a console message, and depending on the options specified in the dump table, a system dump.

System Action: The task is abnormally terminated with a CICS transaction dump. The VTAM ACB is closed.

User Response: Use the dump, the trace and the console message to diagnose and correct the original error. Retry the command when the earlier error is resolved.

Module: DFHZSLS

ATC1

Explanation: The CICS terminal control restart task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code ATC1.

System Action: CICS writes a transaction dump for the terminal control restart task.

CICS sends two messages to the console, one to identify the error detected by the terminal control restart task, and DFHTC1001 to report that the task has failed. A third message follows either to say that CICS has terminated abnormally with a dump, or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User Response: First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without terminal control. If you reply 'CANCEL', CICS terminates abnormally with a dump.

Use the messages and dumps to find out the cause of the failure.

Module: DFHTCRP
ATC2

Explanation: A CICS SET VTAM OPEN command has failed due to VTAM rejecting a CICS request.

System Action: Message DFHZC2302, DFHZC2304 or DFHZC2307 is sent to the console, and CICS terminates the transaction abnormally with a transaction dump.

User Response: The RPL with the VTAM request code and return code can be found in the RA pool addressed from TCTVRVRA. Use the VTAM Programming manual, to determine the cause of the error and the actions necessary to correct it. After correcting the error, either retry the request or terminate CICS and restart the network in your own time.

Module: DFHZSLS
# APAR PQ28041

ATC3

Explanation: A write to a TLX device was issued with a data length of 0 causing TIOA data length (TIOATDL) to be 0, or there was an error when trying to issue a DCE security attach FMH5.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: For an error writing to a TLX device correct the error in the user program by ensuring that a data length for data to be placed in the terminal input/output area (TIOA) is provided at write time.

For an error trying to issue a DCE security attach FMH5 use the dump to ascertain why the FMH5 could not be issued correctly.

This may be a CICS system problem.

Modules: DFHZARL DFHZARQ DFHZGXA

ATC4

Explanation: A serious CAVM error has occurred. The XRF TCB has abended.

System Action: CICS abnormally terminates with a system dump.

User Response: Use the dump and the guidance in any messages issued by other system components to diagnose and correct the original error.

See the CICS Problem Determination Guide for further guidance on using system dumps.

Module: DFHTCRP

ATC5

Explanation: An internal logic error has been detected during APPC mapped processing. The conversation state maintained by DFHZARL does not match the state which is jointly maintained by DFHETL and DFHZARM.

This problem could also arise when CICS is receiving application data. CICS may receive and end of chain notification before receiving all the data expected.

System Action: The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

Module: DFHZNCE

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHETL

ATC6

Explanation: DFHETL has a SEND DATA request with a data length greater than 65,528 bytes which is the maximum that it can process.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHETL

ATC7

Explanation: DFHZSUP has detected a bad response from an INITIAL-CALL request to DFHZARL. This response is returned to DFHZSUP in the DFHLUC parameter list.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Examine field LUCCDRCD in the DFHLUC parameter list. This appears in the ENTRY/EXIT trace points for DFHZARL. If trace is switched off, then it can be found in DFHZSUP’s LIFO entry in the transaction dump.

- LUCCDRCD = ‘A0000100’ - session failure
- LUCCDRCD = ‘A0010100’ - read timeout
- LUCCDRCD = ‘A0010000’ - deadlock timeout.

(The offset for LUCCDRCD can be found in CICS Data Areas).

If LUCCDRCD is X’00000000’, the error is the result of a connection failure. In this case examine the CSMT log for further diagnostic information.

Module: DFHZSUP

ATC8

Explanation: An error has occurred during the processing of an inbound function management header (FMH). Either a length error has been detected, for example, incomplete FMH received, or an invalid field has been detected within the FMH.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer of the error. The problem is probably in the remote system that has sent the invalid FMH.

Module: DFHETL

ATC9

Explanation: A DFHKC RESUME macro call has been issued for a task without first issuing DFHKC SUSPEND. DFHKC RESUME must be preceded by DFHKC SUSPEND.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Examine the trace entry to locate the error.

Module: DFHZNCE
**Explanation:** A transaction has issued an EXEC CICS READQ, WRITEQ or DELETEQ command against a logically recoverable transient data queue. The task was enqueued because another task currently owns the enqueue. While waiting to obtain the enqueue, the task was purged.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the transaction was purged. It may have been purged via CEMT or automatically, by DTIMEOUT for example.

**Module:** DFHETD

---

**Explanation:** Transient data initialization has failed. A console message, DFH12xx, gives the reason for the failure.

**System Action:** Transient data initialization terminates abnormally. This abend is always followed by an ATDZ abend for the failing function, and by message DFHSI1521 (if CICS abends unconditionally), or message DFHSI1522, which prompts you to reply GO or CANCEL.

**User Response:** See the associated console message for information regarding the cause of the failure. Then respond to message DFHSI1522, if it has been issued.

**Module:** DFHTDRP

---

**Explanation:** A CICS function invoked by transient data initialization has failed. If the failing function is a transient data routine, this abend is preceded by a console message and an ATDY abend.

**System Action:** Transient data initialization terminates abnormally. This abend is always followed by message DFHSI1521 (if CICS abends unconditionally), or message DFHSI1522, which asks you to reply GO or CANCEL.

**User Response:** Refer to the associated console message for further information regarding the cause of the failure. Then respond to message DFHSI1522, if it has been issued.

**Module:** DFHTDRP

---

**Explanation:** A FREEMAIN request to the storage manager has failed while CICS was executing a CEDA CHECK or CEDA INSTALL command.

**System Action:** CICS abnormally terminates the task with a transaction dump.

**User Response:** Use the dump and any associated messages issued by the storage manager to investigate the FREEMAIN failure.

**Module:** DFHTOUT1

---

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMEOUT (deadlock timeout) value specified for the transaction, or by CICS issuing a purge request.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMEOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMEOUT option for the transaction.

When CICS purges a task, it does so to allow an operation to complete which would be held up by the presence of active tasks.

**Module:** DFHTMP

---

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the related message from the domain that detected the original error.

**Module:** DFHTMP

---

**Explanation:** A terminal operator entered the transaction identification for NACP.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Do not reenter the NACP transaction identification (CSNE).

**Module:** DFHZNAC
# ATNB

## Explanation:
The application program has issued a terminal control request for a terminal for which a previous request was terminated with an abend AZCT, because of a read timeout condition. The terminal control blocks are not in a fit state to allow a new request to be processed.

## System Action:
The task is abnormally terminated with a CICS transaction dump.

## User Response:
Change the application program to issue an abend when handling an abend AZCT.

## Module:
DFHZARQ

---

# ATNC

## Explanation:
The application program has issued a terminal control request for a terminal for which a previous terminal control request was terminated with an abend ATCH, because the task was purged. The terminal control blocks are not in a fit state to allow a new request to be processed.

## System Action:
The task is abnormally terminated with a CICS transaction dump.

## User Response:
Change the application program to issue an abend when handling an abend ATCH.

## Module:
DFHZARQ

---

# ATND

## Explanation:
The node error program (NEP) or NACP decides that a task should abnormally terminate, but the task is at a critical point of processing and immediate termination would put the integrity of the system at risk.

## System Action:
The task is abnormally terminated with a CICS transaction dump when the task next requests any action against the terminal, or issues a sync point request involving the terminal.

## User Response:
Check destination CSMT for possible further information. Use the dump to determine why the task was abnormally terminated by NEP.

## Modules:
DFHZARQ, DFHZARL, DFHZSUP

---

# ATNI

## Explanation:
There are two forms of this abend:

### VTAM form
The node error program (NEP) or NACP decides the task should be abnormally terminated. DFHZNAC informs the request module to abend the transaction after the TC unit has completed.

### Non-VTAM form
The terminal error program (TEP) or terminal abnormal condition program (TACP) decides the task should be abnormally terminated. DFHTACP informs DFHZARQ to abend the transaction after the TC unit has completed.

## System Action:
The task is abnormally terminated with a CICS transaction dump.

## User Response:
This usually occurs when, due to a hardware failure, a network device rejects the data stream sent to it. The device itself may indicate an error code that will give a specific reason for the rejection. Check the CSMT log for further information.

This abend can also result from an error in a connected system such as a mirror transaction abend. Abend ATNI can occur if a user application does not correctly handle an error return code from an external resource manager, such as DB2.

For the NEP (VTAM) form, run a VTAM trace type=BUF for the logical unit and repeat the error.

For the TEP (non-VTAM) form, run a link trace for the line or local channel address for the device.

Examine the data stream and error response to determine the cause of the error.

This type of error occurs if the definitions in the TCT do not match the attributes of the actual device.

## Modules:
DFHZARL, DFHZARM, DFHZARQ, DFHZRAQ, DFHZSUP

---

# ATOA

## Explanation:
You have attempted to invoke the CESC transaction with a terminal as principal facility. This is not allowed.

## System Action:
CICS terminates the CESC transaction. No dump is produced.

## User Response:
Ensure that the CESC transaction is not run against a terminal.

## Module:
DFHCESC

---

# ATOB

## Explanation:
CICS has received an abnormal response from an EXEC CICS START TRANSACTION(CESC) request. This is caused by an internal error.

## System Action:
CICS terminates the CESC transaction with a dump.

## User Response:
You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

## Module:
DFHCESC

---

# ATOC

## Explanation:
CICS has received an abnormal response from a request to DFHZCUT to timeout a local userid table (LUIT). This is caused by an internal error in DFHZCUT.

## System Action:
CICS terminates the CESC transaction with a dump.

## User Response:
You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

## Module:
DFHCESC
**Explanation:** CICS has received an abnormal response from an EXEC CICS CANCEL TRANSACTION(CESC) request.

**System Action:** CICS terminates the CESC transaction with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCESC

**Explanation:** CICS cannot determine the time at which an XRF takeover began.

**System Action:** CICS terminates the CESC transaction with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCESC

**Explanation:** CICS has received an abnormal response from an EXEC CICS DELAY TRANSACTION(CESC) request.

**System Action:** CICS terminates the CESC transaction with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCESC

**Explanation:** CICS has received an abnormal response from an EXEC CICS START TRANSACTION(CEGN) request. This is caused by an internal error.

**System Action:** CICS terminates the CEGN transaction with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCESC

**Explanation:** An attempt has been made to invoke the CESC transaction with an invalid function code. The CESC transaction should only be invoked by CICS. Valid codes are TERM_TIMEOUT, XRF_TIMEOUT, and ENABLE_TIMEOUT.

The most likely cause of this error is an invalid attempt by a user to invoke CESC.

**System Action:** CICS terminates the CESC transaction with a dump.

**User Response:** Determine how CESC was invoked. If it was invoked by CICS, you will need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCESC

**Explanation:**  
An error has occurred in the invocation of the CEGN transaction. CEGN has issued an EXEC CICS RETRIEVE command to retrieve the CEGN parameter list. Either the EXEC CICS RETRIEVE command has failed or it has succeeded but the retrieved data is invalid.

The most likely cause of this error is an invalid attempt by a user to invoke CEGN (for example, from a terminal or via an EXEC CICS START request).

**System Action:** CICS terminates the CEGN transaction with a transaction dump.

**User Response:** Determine how CEGN was invoked. If it was invoked by CICS, you will need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCEGN

**Explanation:** The CEGN transaction has attempted to issue an EXEC CICS RETURN but the command has failed.

**System Action:** CICS terminates the transaction with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCEGN

**Explanation:** The CEGN transaction has attempted to issue an EXEC CICS GETMAIN, ASSIGN, or SEND but the command has failed.

**System Action:** CICS terminates the transaction with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHCEGN

**Explanation:** An error occurred when trying to estimate the length of a CICS message owned by the message domain.

**System Action:** CICS terminates the transaction with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHTPR

**Explanation:** An error occurred when trying to retrieve a CICS message from the message domain.

**System Action:** CICS terminates the transaction with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHTPR

**Explanation:** An error occurred when trying to retrieve a CICS message from the message domain.
ATPC

**Explanation:** An error occurred when trying to estimate the length of a CICS message owned by the message domain.

**System Action:** CICS terminates the transaction with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHTPQ.

ATPD

**Explanation:** An error occurred when trying to retrieve a CICS message from the message domain.

**System Action:** CICS terminates the transaction with a dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHTPQ.

ATPE

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction, or by CICS issuing a purge request.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

When CICS purges a task, it does so to allow an operation to complete which would be held up by the presence of active tasks.

**Modules:** DFHTPQ, DFHTPR.

ATPF

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the related message produced by the domain that detected the original error.

**Modules:** DFHTPQ, DFHTPR.

ATRA

**Explanation:** The field engineering global trap exit program, DFHTRAP, requested task abnormal termination. However, the currently active task was not a system task (for example, task dispatcher) and it was not about to abend.

**System Action:** CICS disables the trap exit so that it will not be reentered, and terminates the currently active task abnormally.

**User Response:** This is a user-requested task abend. If you want to use the trap again, you must reactivate it as follows: CSFE DEBUG,TRAP=ON

You should use the global trap exit only in consultation with an IBM support representative.

**Module:** DFHTRP

ATSA

**Explanation:** The transaction CTSD was attached other than by an internal request from the TS domain.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the CTSD transaction was started. This transaction is intended for CICS internal use only and should not be started by a user or from a terminal.

**Module:** DFHTSDQ

ATSB

**Explanation:** The transaction CTSD was attached with invalid parameters.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHTSDQ

ATSC

**Explanation:** The task was canceled during execution of a temporary storage command.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate the reason the task was canceled. The task has been canceled by the master terminal operator or automatically by either the deadlock timeout (DTIMEOUT) mechanism or the read timeout (RTIMOUT) mechanism.

**Modules:** DFHEITS, DFHICP, DFHTSP

ATSD

**Explanation:** An INVALID or DISASTER response was received from a request to the Temporary Storage (TS) Domain.

**System Action:** The transaction is terminated with a CICS transaction dump.

**User Response:** There has been an earlier failure which lead to the response from TS. Investigate the earlier failure (which is accompanied by a console message and a system dump).

**Modules:** DFHEITS, DFHICP, DFHTSP
**ATSP**

**Explanation:** A task has attempted to issue a WRITEQ TS or a DELETEQ TS request for a recoverable TS queue that has already been deleted in the same unit of work.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Correct the application to avoid issuing a WRITEQ TS or a DELETEQ TS to a recoverable queue in a unit of work in which the queue has already been deleted.

**Modules:** DFHEITS, DFHTSP

---

**ATSQ**

**Explanation:** A move of data to or from temporary storage has failed. The probable reason is that the size of the area being passed to CICS is inconsistent with the data length being used.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Identify the failing temporary storage request in the application and verify whether the length supplied on the request agrees with the data area size. Correct the application as appropriate.

**Note:** If the error occurs in DFHTSP and not in DFHETS, there is probably an internal logic error in temporary storage. In this case you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFH99KO

---

**ATUF**

**Explanation:** Insufficient space exists to build the parameter list for the DYNALLOC SVC.

**System Action:** The task is abnormally terminated and a dump is taken.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFH99KO

---

**AUEP**

**Explanation:** The task has been abnormally terminated because a return code of UERCPURG has been sent to the User Exit Handler by a User Exit Program. The value of UERCPURG is defined by the macro DFHUEXIT TYPE=EP, ID=xxxxxxxx, where xxxxxxxx is the exit point by which the exit program is enabled. This code does not apply to exit points in domains. The exit program returns this value when it has made a request for CICS services using the exit programming Interface (XPI) and when the XPI call has had a RESPONSE code of PURGED. Exit programs must not set UERCPURG return code under any other circumstance.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Refer to the CICS Customization Guide for the use of this return code.

**Module:** DFHUEH

---

**AUXA**

**Explanation:** An unexpected error occurred when one of the Transaction Affinities Utility Detector exit programs called Detector program CAUTABM. Transaction CAFB issues this abend on behalf of the exit program.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU4100.

**Module:** CAUCAF1

---

**AUXB**

**Explanation:** The Transaction Affinities Utility Detector dataspace has filled up. If the situation was detected by a Detector exit program, transaction CAFB issues this abend on its behalf.

**System Action:** The Detector is stopped.

**User Response:** message DFHAU4200.

**Modules:** CAUCAF3, CAUCAFF6, CAUCAF1

---

**AUYA**

**Explanation:** The Transaction Affinities Utility Detector transaction CAFB received an unrecognizable request from another Detector component (CAFF or a Detector exit program).

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU3302.

**Module:** CAUCAF1

---

**AUYC**

**Explanation:** The Transaction Affinities Utility Detector transaction CAFB received a request from another Detector component (CAFF or an exit program) to abend because of an unexpected error.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU3304.

**Module:** CAUCAF1

---

Chapter 3. Transaction abend codes 919
AUYE

**Explanation:** A Transaction Affinities Utility Detector program found an invalid affinity file number in an internal array in the Detector global work area (GWA).

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU3310.

**Modules:** CAUCAFB2, CAUCAFF3

AUYF

**Explanation:** The Transaction Affinities Utility Detector transaction CAFB was not started by transaction CAFF.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU3311.

**Module:** CAUCAFB1

AUYG

**Explanation:** The Transaction Affinities Utility Detector transaction CAFB was still running at CICS termination.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU3312.

**Module:** CAUCAFB1

AUYH

**Explanation:** A Transaction Affinities Utility Detector program has found that the address held in the Detector global work area (GWA) for one of the Detector internal modules is invalid.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU3313.

**Modules:** CAUCAFF4, CAUCAFF5, CAUCAFB1

AUYI

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAF or CAFB called Detector program CAUTABM to access affinity table data in the dataspace.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU3314.

**Modules:** CAUCAFB2, CAUCAFF6

AUYJ

**Explanation:** One of the Transaction Affinities Utility affinity data files is full.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU3315.

**Module:** CAUCAFB2

AUZA

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF or CAFB issued an EXEC CICS command.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2201.

**Modules:** CAUCAFF1, CAUCAFF2, CAUCAFF3, CAUCAFF4, CAUCAFF5, CAUCAFF6, CAUCAFF7, CAUCAFB1, CAUCAFB2, CAUCAF41

AUZB

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF or CAFB issued a VSAM file control EXEC CICS command.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2202.

**Modules:** CAUCAFF1, CAUCAFF2, CAUCAFF3, CAUCAFF4, CAUCAFF5, CAUCAFF6, CAUCAFB1, CAUCAFB2

AUZC

**Explanation:** The internal field holding the Transaction Affinities Utility Detector state has an invalid value.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2203.

**Modules:** CAUCAFF1, CAUCAFF2

AUZD

**Explanation:** One of the Transaction Affinities Utility files contains a CICS APPLID that does not match the APPLID of the CICS system.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2205.

**Modules:** CAUCAFF1, CAUCAFF2

AUZF

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF or CAFB issued a Detector user exit related EXEC CICS command. The command is either ENABLE, DISABLE or EXTRACT EXIT.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2206.

**Modules:** CAUCAFF1, CAUCAFF2, CAUCAFF3, CAUCAFF4, CAUCAFF5, CAUCAFF6, CAUCAFB1

AUZJ

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAF called Detector program CAUTABM to create the MVS dataspace to hold the affinity data.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2210.

**Module:** CAUCAFF3
AUZI

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUTABM to create an affinity table in the dataspace.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2211.

**Modules:** CAUCAFF3, CAUCAFF6

AUZJ

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUTABM to add an element to an affinity table in the dataspace.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2212.

**Module:** CAUCAFF3

AUZK

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF was attempting to initialize the internal trace table.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2234.

**Module:** CAUCAFF3

AUZL

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF was attempting to release the internal trace table.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2235.

**Module:** CAUCAFF4

AUZN

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUTABM to destroy the dataspace.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2216.

**Module:** CAUCAFF4

AUZO

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUTABM to destroy a table in the dataspace.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2217.

**Module:** CAUCAFF6

AUZQ

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUCAFP to create its MVS CPOOL storage.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2220.

**Module:** CAUCAFF3

AUZR

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUCAFP to destroy its MVS CPOOL storage.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2221.

**Modules:** CAUCAFF4, CAUCAFF5, CAUCAFB1

AUZS

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUCAFP to destroy its MVS CPOOL storage.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2222.

**Module:** CAUCAFF4

AUZU

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF calculated what percentage of the dataspace is occupied by affinity data.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2224.

**Module:** CAUCAFF1

AUZV

**Explanation:** The method of initiating Transaction Affinities Utility Detector transaction CAFF is incorrect.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2225.

**Module:** CAUCAFF1

AUZY

**Explanation:** An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF or CAFB called Detector program CAUTABM to replace a table element in the dataspace.

**System Action:** The Detector is stopped.

**User Response:** Refer to message DFHAU2228.

**Modules:** CAUCAFF3, CAUCAFB2
AUZZ

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called a Detector subroutine to update the termid table (TT) or userid table (UT).

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2229.

Modules: CAUCAFF3, CAUCAFF6

AUZ1

Explanation: When the Transaction Affinities Utility Detector was being started by transaction CAFF, the header record could not be found on one of the VSAM affinity data files.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2230.

Module: CAUCAFF3

AWBA

Explanation: CICS Web Receive process has received an exception response from the Web Send Receive function, DFHWBSR, which could be one of the following errors:

- An error in the Analyzer program
- No Analyzer program specified
- Unable to link to Analyzer program
- An Analyzer data length error
- An Analyzer header length error
- A codepage conversion error
- A storage error occurred
- An error that the connection has been closed
- A sockets receive error

System Action: An error message is sent to the client and the CWBO transient data queue.

User Response: Refer to any error messages accompanying this abend to determine why the abend has occurred.

Module: DFHWBXN

AWBB

Explanation: The incoming parameter list to the CICS Web Business Logic Interface program is not in the expected format. At present, the structure is assumed to be fixed and only a single version level is recognized.

System Action: The CICS Web Business Logic Interface program is not executed.

User Response: Ensure that the program receives a parameter list in the correct format.

Module: DFHWBBLI

AWBC

Explanation: No commarea was passed to a CICS Web Interface utility program. One of the utility programs supplied with the CICS Web Interface was executed, but the commarea that was passed was absent or was too short to contain valid information.

System Action: The CICS Web Interface utility is not executed.

User Response: Ensure that the program passes a commarea that is long enough to contain the expected parameters for the utility you are invoking.

Modules: DFHWBENV, DFHWBTL

AWBE

Explanation: The CICS Web Interface detected that a Converter program attempted to change the address of the response buffer when it was not allowed to do so.

System Action: The data in the new response buffer is not returned to the Web browser. A CICS transaction dump is taken.

User Response: The Converter program is only allowed to replace the response buffer if the converter_volatile flag in the Converter parameter list is set to ‘1’. Check that your Converter program is not trying to return a new response buffer when this flag is set to ‘0’.

Module: DFHWBBLI

AWBF

Explanation: The CICS Web Interface alias detected an error in its initialization. The alias was not started by EXEC CICS START, or there was an error in the EXEC CICS RETRIEVE command for the start data.

System Action: If there is an error in EXEC CICS RETRIEVE, message DFHWB0103 is written to the CWBO destination. A CICS transaction dump is taken.

User Response: If the alias was not started by EXEC CICS START, check if it is being started from a terminal. This is not allowed. Otherwise, see the associated message for guidance.

Module: DFHWBA

AWBH

Explanation: The CICS Web Interface alias detected a logic error.

System Action: An exception trace entry 454F is written. Message DFHWB0106 is written to the CWBO destination. A CICS transaction dump is taken.

User Response: Use related diagnostics to determine the user response.

Module: DFHWBA

AWBI

Explanation: The CICS Web Interface alias received an unexpected response from EXEC CICS ASSIGN STARTCODE

System Action: An exception trace entry 4544 is written. Message DFHWB0102 is written to the CWBO destination.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHWBA
AWBJ

**Explanation:** The CICS Web Interface alias received an unexpected response when it switched to the RP TCB.

**System Action:** An exception trace entry 454E is written. Message DFHWB0105 is written to the CWBO destination. A transaction dump is taken.

**User Response:** See the associated message for guidance.

**Module:** DFHWBA

AWBK

**Explanation:** The CICS Web Interface alias detected an abend in the converter or the CICS program servicing the request.

**System Action:** An exception trace entry 4550 is written. Message DFHWB0108 is written to the CWBO destination.

**User Response:** Use related diagnostics to determine the user response.

**Module:** DFHWBA

AWBL

**Explanation:** The CICS Web Interface alias detected an error in an EXEC CICS LINK command for program DFHWBBLI.

**System Action:** An exception trace entry 4543 is written. Message DFHWB0100 is written to the CWBO destination. A transaction dump is taken.

**User Response:** See the associated message for guidance.

**Module:** DFHWBA

AWBM

**Explanation:** The CICS Web Interface alias detected an error response from the Business Logic Interface program DFHWBBLI.

**System Action:** Message DFHWB0101 is written to the CWBO destination. A transaction dump is taken.

**User Response:** See the associated message for guidance.

**Module:** DFHWBA

AWBQ

**Explanation:** The CICS Web Business Logic Interface program detected a logic error.

**System Action:** If the abend was issued from the Business Logic Interface program, DFHWBBLI, an exception trace entry ‘4583’ is made and message DFHWB0118 is written to the CWBO transient data destination. If the abend was issued from the Web Interface program, DFHWBA1, an exception trace entry ‘4558’ is written and message DFHWB0123 is sent to the CWBO destination.

**User Response:** Use related diagnostics to determine the user response.

**Modules:** DFHWBA1, DFHWBBLI

AWBR

**Explanation:** The CICS Web Business Logic Interface program detected a logic error.

**System Action:** If the abend was issued from the Business Logic Interface program, DFHWBBLI, an exception trace entry ‘4583’ is made and message DFHWB0118 is written to the CWBO transient data destination. If the abend was issued from the Web Interface program, DFHWBA1, an exception trace entry ‘4558’ is written and message DFHWB0123 is sent to the CWBO destination.

**User Response:** Use related diagnostics to determine the user response.

**Modules:** DFHWBA1, DFHWBBLI

AWBU

**Explanation:** The CICS Web Interface connection manager could not get storage to send a message to the terminal.

**System Action:** Processing continues.

**User Response:** Use related diagnostics to determine the user response.

**Module:** DFHWBC01

AWBV

**Explanation:** The CICS Web Interface connection manager detected an error response on EXEC CICS DEQ.

**System Action:** An exception trace entry 4345 is written. Message DFHWB1651 is written to the CWBO destination.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHWBC04

AWBX

**Explanation:** The CICS Web Interface connection manager was started against an invalid terminal type.

**System Action:** An exception trace entry 4308 is written. Message DFHWB1522 is written to the CWBO destination.

**User Response:** See the associated message for guidance.

**Module:** DFHWBC01

AWBZ

**Explanation:** The CICS Web Interface connection manager detected a NOTAUTH response to EXEC CICS EXTRACT EXIT.

**System Action:** Message DFHWB1902 is written to the CWBO destination.

**User Response:** See the associated message for guidance.

**Module:** DFHWBC0B

AWB2

**Explanation:** The CICS Web Interface has encountered an error while performing a transaction attach call for the alias task.

**System Action:** Message DFHWB0727 describing the error is written to the CWBO transient data destination and a trace entry is made.

**User Response:** See the associated message for guidance.

**Module:** DFHWBXN
AWB3

Explanation: CICS Web transaction, CWXN, has been illegally started either with data, or by a user at a terminal, with the wrong start code.

System Action: The CICS Web Interface is not started.

User Response: CICS Web Transaction Execution should only ever be started by Sockets Domain using DFHXMAT ATTACH, not by a user at a terminal or with data.

Module: DFHWBXN

AWB4

Explanation: The CICS Web Transaction Execution has received a bad response from an INQUIRE_TRANSACTION call to determine the start code for the CWXN transaction.

System Action: The CICS Web Interface is not started.

User Response: CICS Web Transaction Execution should only ever be started by Sockets Domain using DFHXMAT ATTACH, not by a user at a terminal or with data.

Module: DFHWBXN

AWB5

Explanation: The CICS Web Interface Server Controller could not continue with enable processing because the requested port is not available.

System Action: An exception trace entry 4106 is written, and message DFHWB0131 is issued.

User Response: Terminate the TCP/IP application which is using the requested port, and use CBWB to enable the feature again, or use CWBC to enable the CICS web Interface using a different port number.

Module: DFHWBGM

AWB7

Explanation: The CICS Web Interface environment variables program was invoked, but the invoking transaction does not appear to be executing in a valid Web environment.

System Action: The program writes an exception trace point 4623.

User Response: Determine how the environment variables program was invoked. It is only meaningful to execute the program from a transaction that has been initiated from the Web, either through the CICS Web Interface or through the Business Logic Interface.

Module: DFHWBENV

AWB8

Explanation: The CICS Web Interface environment garbage collection task CWBG has been started directly from a terminal. This is not permitted.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: None.

Module: DFHWBGB

AWB9

Explanation: The CICS Web Interface connection manager failed due to lack of storage.

System Action: A transaction dump is taken.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHWBC01

AWC1

Explanation: The CICS Web Interface 3270 bridge exit DFHWBLT could not establish a partnership with the Web terminal translation task which started the abended transaction.

System Action: An exception trace entry 4106 is written, and message DFHWB0131 is issued.

User Response: Use related diagnostics to determine the user response.

Module: DFHWBLT

AWC2

Explanation: The CICS Web Interface 3270 bridge exit DFHWBLT was passed an invalid state token by attach processing.

System Action: An exception trace entry 410C is written, and message DFHWB0130 is issued.

User Response: Use related diagnostics to determine the user response. On a busy CICS region, the most likely cause is that the bridged transaction started after the state data had been discarded by Web 3270 garbage collection process.

Module: DFHWBLT

AWC3

Explanation: An application using the CICS Web 3270 function issued an unsupported combination of BMS and Terminal Control commands.

System Action: An exception trace entry is written.

User Response: Use related diagnostics to determine the user response.

Module: DFHWBLT

AWC4

Explanation: The CICS Web Interface 3270 bridge exit DFHWBLT has been reinvoked after returning an earlier error.

System Action: An exception trace entry is written.

User Response: Use related diagnostics to determine the user response.

Module: DFHWBLT

AWC5

Explanation: The CICS Web Interface 3270 bridge exit DFHWBLT abended during attach processing because it could not getmain a brxa user area.

System Action: Message DFHWB0132 is issued, and an exception trace entry 410D is written.

User Response: Use related diagnostics to determine the user response. The most likely cause of this abend is that CICS is having storage problems.
AWC6

<table>
<thead>
<tr>
<th>Module: DFHWBLT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explanation:</strong> The CICS Web Interface 3270 bridge exit DFHWBLT has detected an inconsistency in its request parameters or state data.</td>
</tr>
<tr>
<td><strong>System Action:</strong> Message DFHWB0133 is issued, and an exception trace entry is written.</td>
</tr>
<tr>
<td><strong>User Response:</strong> Use related diagnostics to determine the user response. The most likely cause of this abend is a storage overwrite.</td>
</tr>
<tr>
<td><strong>Module:</strong> DFHWBLT</td>
</tr>
<tr>
<td><strong>#</strong> APAR PQ23421</td>
</tr>
</tbody>
</table>

AWC7

| # | Explanation: CICS detected an error during transaction initialization for a CICS Web alias transaction. |
| # | System Action: Message DFHWB0360 is issued. No transaction dump is taken for this abend. |
| # | User Response: Use related diagnostics to determine the user response. The most likely cause of this abend is an invalid userid being passed to CICS by the CICS Web Interface Analyzer user replaceable module. The userid is invalid if: |
| # | • It is not defined in the external security manager |
| # | • It is revoked |
| # | • It is not authorized to access this CICS region |
| **Module:** DFHWBXM |

AWC8

| # | Explanation: CICS detected an error during transaction initialization for a CICS Web alias transaction. |
| # | System Action: A transaction dump is taken for this abend. |
| # | User Response: Use related diagnostics to determine the user response. |
| **Module:** DFHWBXM |

AWKY

**Explanation:** A request to PURGE or WRITE a record using the global catalog during warm keypointing has failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check for problems with the global or local catalog. See any DFHCCnnnn messages issued by the CICS catalog domain for further guidance.

**Module:** DFHWKPD

AXFA

**Explanation:** The key length for a file control request that is to be sent to a remote system has to be obtained from the file control table, and has proved to be zero.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Ensure that the key length has been defined either in the remote file definition that is being used, or as a length option from the application program that is using it.

**Module:** DFHXFP

AXFB

**Explanation:** An unacceptable function management header (FMH) type has been found. It must be type 05, type 06, or type 43.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHXFP

AXFC

**Explanation:** The request passed to the data transformation program is unknown to CICS. This abend can also occur in an MRO/IRC system as a result of an invalid EXEC CICS START request issued from the user’s node error program (DFHZNEP).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the CICS Customization Guide for restrictions on the use of EXEC CICS commands from within an NEP. If this is not the cause of the abend, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHXFP

AXFD

**Explanation:** The request that is passed to the data transformation program cannot be sent to a remote system; for example, a storage control request.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHXFP

AXFE

**Explanation:** The transformation requested does not exist; for example, a DL/I schedule reply is not recognized by the outbound request processor in the data transformation program.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHXFP

AXFF

**Explanation:** An unacceptable queue organization has been found in a queue model function management header (FMH).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHXFP

Chapter 3. Transaction abend codes 925
AXFG

**Explanation:** An unacceptable argument number has been found in the data following a function management header (FMH) of type 43.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHXFP

AXFH

**Explanation:** The argument number in the data following a function management header (FMH) of type 43 is acceptable, however, the argument itself is not expected.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHXFP

AXFI

**Explanation:** The data length for a WRITEQ TD or READQ TD, which is determined from the destination control table, is zero. The abend can also occur when determining the length for file control requests from the file control table.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Notify the system programmer.

**Module:** DFHXFP

AXFJ

**Explanation:** The error code held in UIBFCTR and UIBDLTR cannot be converted to an equivalent SNA error code.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHXFP

AXFL

**Explanation:** Transformers 2 and 4 expect to receive a function management header (FMH), possibly followed by user data. A null chain of data has been received.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHXFP

AXFM

**Explanation:** The ISCINVREQ condition has been raised. This can happen when the resource proves to be on yet another remote system, that is, when daisy-chaining is active.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check that daisy-chaining of requests is intended and that all relevant intersystem links are in service.

**Module:** DFHXFP

AXFO

**Explanation:** The check on the DS and DBA parameters in an attach function management header (FMH) has failed. This abend represents a user error resulting from a mismatch in the system definitions for both ends of an intersystem link.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Notify the system programmer.

**Module:** DFHXFP

AXFP

**Explanation:** CICS requires a second function management header (FMH) to follow an attach FMH. No second FMH was received.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Notify the system programmer.

**Module:** DFHXFP

AXFQ

**Explanation:** Either the function management header (FMH) just received is too short or too long to be a valid FMH, or an expected FMH is not present.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check that the transaction profile parameter, INBFMH, is set to ALL. If communicating across a distributed program link, ensure that the requested function is supported on the partner system.

**Module:** DFHXFP

AXFR

**Explanation:** The CICS command level interface imposes a maximum length of 32,767 for data. The length of the data just received exceeds this limit.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Notify the system programmer.

**Module:** DFHXFP
AXFS

Explanation: A PSB has been scheduled successfully. However, the maximum possible length of an I/O area exceeded 65,535. This abend is likely to occur if path calls are used to retrieve large segments, and/or if FLS causes excessive expansion of segments.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFT

Explanation: An estimate of the size of the output I/O area has been made, and it exceeds the maximum possible size of 65,535.

Note: While the estimated size may exceed the actual size, the difference will only be a few bytes.

This abend is likely to occur if a database calls, inserts, or replaces multiple segments, and many qualified segment search arguments are specified.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFU

Explanation: A two-level cursor is present in a function management header (FMH) relating to a linear (temporary storage) queue. However, these cursors are valid only for hierarchical queues that are not supported by CICS.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHXFP

AXFW

Explanation: An invalid length specification has been given in a CICS command-level request corresponding to one of the data variables.

The CICS-architected FMH is followed by zero or more self-describing data variables for each parameter specified.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check for an invalid or zero length specified in a CICS command-level request, or for data truncation in a user-written node error program (NEP).

Module: DFHXFP

AXFX

Explanation: A function shipping request by an APPC link failed because

- the remote system does not support full syncpoint protocols, or
- the exchange log name sequence could have failed, resulting in a mismatch, or
- the request has not completed within the allocated time (10 seconds).

System Action: CICS terminates the task abnormally.

User Response: Check that the request was directed to the correct remote system, and that the remote system is set up to support full syncpoint protocols (synclevel 2).

Module: DFHXFP

AXFY

Explanation: An APPC conversation failure has occurred when an attach between CICS systems was issued.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Check the connection to the remote CICS system and try to reestablish it.

Module: DFHXFP

AXF0

Explanation: A task has been purged due to lack of storage in a dynamic storage area (DSA).

System Action: The task is abnormally terminated with a transaction dump.

User Response: Try the transaction again later.

If the short-on-storage condition persists, consider increasing the size limit of the CICS DSAs. You can vary the DSAs dynamically using the DSALIM and EDSALIM parameters on the CEMT master terminal command.

Module: DFHXFP

AXF1

Explanation: The storage manager module, DFHSMGF, has returned a condition not expected by DFHXFP.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Look for any related CICS messages and abends to determine if there has been a prior failure in CICS storage.

Module: DFHXFP

AXF2

Explanation: A task has been purged due to lack of storage in the DSA.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Try the transaction again later.

If the short-on-storage condition persists, increase the size of the dynamic storage area using the DFHSIT DSA parameter.

Module: DFHXFP

AXF3

Explanation: The storage manager module DFHSMMC has returned a condition not expected by DFHXFP.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Look for any related CICS messages and abends to determine if there has been a prior failure in CICS storage.

Module: DFHXFP
AXF4

Explanation: The task was purged before a GET_BUFFER request to the EXEC interface service routines module (DFHEISR), was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHXFX

AXF5

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the EXEC interface service routines module (DFHEISR). The domain that detected the original error provides an exception trace, a console message, and possibly, a system dump (depending on the options specified the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHXFX

AXF8

Explanation: A keyword such as TOKEN, CONSISTENT, REPEATABLE, UNCOMMITTED, or NOSUSPEND has been specified on a file control command for shipping to a system which does not support these functions.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that CICS in the file-owning region is at the correct level.

Module: DFHXFX

AXMA

Explanation: An error has occurred obtaining a lock within the transaction manager domain.

System Action: The recovery routine of the module in control is invoked which issues message DFHXM0002 with a system dump. DFHXM0002 reports the module in control at the time of the error.

User Response: See the description of message DFHXM0002 for further guidance.

Module: DFHXMAB

AXMB

Explanation: An severe error has occurred allocating a unique transaction number to a new transaction.

System Action: The recovery routine of the module in control is invoked. This routine issues message DFHXM0002 with a system dump. DFHXM0002 reports the module in control at the time of the error.

User Response: See the description of message DFHXM0002 for further guidance.

Modules: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMFD, DFHXMLD, DFHXMQD, DFHXMST, DFHXMTA, DFHXMXD, DFHXMXE

AXMC

Explanation: An error has occurred releasing a lock within the transaction manager domain.

System Action: The recovery routine of the module in control is invoked. This routine issues message DFHXM0002 with a system dump. DFHXM0002 reports the module in control at the time of the error.

User Response: See the description of message DFHXM0002 for further guidance.

Modules: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMFD, DFHXMLD, DFHXMQD, DFHXMST, DFHXMTA, DFHXMXD, DFHXMXE

AXMD

Explanation: An attempt has been made to run the CICS internal task CSXM as a user transaction.

System Action: CICS terminates the task with a transaction dump.

User Response: Investigate why the attempt was made to run CSXM as a user transaction.

Module: DFHXMAB

AXMY

Explanation: During transaction attach an unexpected error occurred obtaining transaction class membership.

System Action: The transaction is no longer considered for class membership. It is then abnormally terminated with a CICS transaction dump.

User Response: Use the dump to determine why the transaction failed to obtain membership of its transaction class.

Module: DFHXMAT

AXMZ

Explanation: A serious failure in another component has been detected by the transaction manager domain.

System Action: The task in control is abnormally terminated with a transaction dump. Further diagnostics should have been taken by the failing component.

User Response: Look for earlier messages identifying the source of the problem. Refer to the descriptions of these messages for further guidance.

Module: DFHXMTA
AXSA

**Explanation:** The CICS security control task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code AXSA.

**System Action:** CICS writes a transaction dump for the security control restart task.

CICS sends messages to the console, one to identify the error detected by the security control task, and, if the error occurred during initialization, one to say that security initialization or CEMT PERFORM SECURITY REBUILD has failed. A third message follows either to say that CICS has terminated abnormally with a dump, or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

**User Response:** First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without support for the external security manager. CICS security still operates. If you reply 'CANCEL', CICS terminates abnormally with a dump.

Use the messages and dumps to find out the cause of the failure.

**Module:** DFHXSMN

AXSC

**Explanation:** The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHXSMN

AXSD

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the related message produced by the domain that detected the original error.

**Module:** DFHTCRP

AXTA

**Explanation:** The calculation of the length of data to be shipped has failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHXTP

AXTC

**Explanation:** An attempt to obtain a TIOA to ship data has failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHXTP

AXTD

**Explanation:** No TIOA received message was received from a remote system.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHXTP

AXTE

**Explanation:** Incorrect data was received from a remote system. The data was not long enough.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHXTP
AXTF

**Explanation:**  No relay process function management header (FMH) was received from the remote system.

**System Action:**  The task is abnormally terminated with a CICS transaction dump.

**User Response:**  You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:**  DFHXTP

---

AXTG

**Explanation:**  Transformation of data received from remote system failed.

**System Action:**  The task is abnormally terminated with a CICS transaction dump.

**User Response:**  Check that the reason for failure of the transformation process was not incorrect definition of the remote terminal. In particular check that the user area length specified for the terminal is the same in both local and remote systems. If the terminal definitions are correct, you need further assistance to resolve this problem. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:**  DFHXTP

---

AXTH

**Explanation:**  An attempt to locate terminal identifier failed.

**System Action:**  The task is abnormally terminated with a CICS transaction dump.

**User Response:**  You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:**  DFHXTP

---

AXTI

**Explanation:**  The major request byte LUCPNO of the DFHLUC parameter list specified to the transaction-routing transformer is invalid, or corresponds to a request that is not shipped to a remote system. The parameter list will be found in the dynamic storage of XTP’s caller and may be located using the output from auxiliary trace.

**System Action:**  The task is abnormally terminated with a transaction dump.

**User Response:**  You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:**  DFHXTP

---

AXTJ

**Explanation:**  An unexpected combination of bit settings in the fields XTSTSTAT and XTSTCOPC in the parameter list of the transaction-routing transformer was made.

**System Action:**  The task is abnormally terminated with a transaction dump.

**User Response:**  You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:**  DFHETL

---

AXTK

**Explanation:**  An APPC conversation failure occurred when an attach between CICS systems was issued.

**System Action:**  The task is abnormally terminated with a CICS transaction dump.

**User Response:**  Check the connection to the remote CICS system and try to reestablish it.

**Module:**  DFHXTP

---

AXTL

**Explanation:**  The processing of APPC mapped data requires the generation of an APPC attach FMH with default values. In particular, the sync level requested is defaulted to 2. However, the session that is to be used has been bound with a sync level of 1.

**System Action:**  The task is abnormally terminated with a CICS transaction dump.

**User Response:**  Check that:

- The entry in the TCT for the remote system has been defined with parallel sessions
- The remote system is capable of supporting a sync level of 2.
- Exchange lognames has completed for the connection. You can use the command CEMT INQUIRE CONNECTION to do this. See the *CICS Intercommunication Guide* for more details of the exchange lognames process.
- The correct sync level has been requested.

**Module:**  DFHXTP

---

AXTM

**Explanation:**  An attempt has been made to route a message-protected transaction over an APPC link bound at sync level 1. The attempt has failed because such transactions can be routed only over an APPC link that has been bound at sync level 2.

**System Action:**  The task is abnormally terminated with a CICS transaction dump.

**User Response:**  If the transaction is to be routed to CICS OS/2 (which is bound at synclevel 1), remove the message protection option. If the transaction is to be routed to another host system and message protection is required, the link must be redefined so that it can be bound at synclevel 2.

**Module:**  DFHXTP

---

AXTN

**Explanation:**  Module DFHXTP detected that the application buffer chained off a TCTTE at offset TCERCSA has a corrupted header. This is caused either by a CICS logic error or by a storage overwrite.

**System Action:**  The transaction is abnormally terminated with a CICS transaction dump.

**User Response:**  This is a CICS internal logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:**  DFHETL
AXTO

Explanation: An exception response has been returned to the DFHXTP module from the CICS security manager. Prior to the call to the CICS security manager, the DFHXTP module detected that a shipped terminal definition had preset security. DFHXTP then invoked the CICS security manager in order to perform a preset security signon for the userid sent with the shipped terminal information. It is this preset security signon attempt which failed.

System Action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSNxxxx message to the transient data queue, CSCS.

User Response: The most likely cause of this abend is that the terminal being shipped to the application owning region (AOR) has preset security with a userid which is not valid in the AOR. To confirm this, check the associated DFHSNxxxx message on the CSCS transient data queue in the AOR which gives the precise reason for the failure of the preset security signon request. This could be the result of an unauthorized transaction routing request.

Module: DFHXTP

AXTP

Explanation: An exception response has been returned to the DFHXTP module from DFHCCNV FUNCTION(CONVERT_DS3270_FOR_SBCS). The module was called for a CICS client virtual terminal which requested conversion from ASCII to EBCDIC for data coming from the client. However, the conversion failed.

System Action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSNxxxx message to the transient data queue, CSCS.

User Response: Examine the response and reason returned in the DFHCCNV commarea DFHC32. The client and server codepages will have already been validated so this may be a CICS error. You may need to contact IBM for further assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHXTP

AXTQ

Explanation: An exception response has been returned to the DFHXTP module from DFHCCNV FUNCTION(CONVERT_DS3270_FOR_SBCS). The module was called for a CICS client virtual terminal which requested conversion from EBCDIC to ASCII for data to be sent to the client. However, the conversion failed.

System Action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSNxxxx message to the transient data queue, CSCS.

User Response: Examine the response and reason returned in the DFHCCNV commarea DFHC32. The client and server codepages will have already been validated so this may be a CICS error. You may need to contact IBM for further assistance. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
**AZAG**

**Explanation:** DFHZCT1 has been started from an unexpected system. The CTIN transaction can only be issued by a client.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump. Exception trace point AP302A is written. Data1 holds the XMIQ start type.

**User Response:** Issue the CTIN transaction only from a client.

**Module:** DFHZCT1

---

**AZAH**

**Explanation:** DFHZCT1 was started from a terminal facility, but not an LU62 session. The CTIN transaction can only be issued by a client.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump. Exception trace point AP3032 is written. Data1 holds the principal facility address.

**User Response:** Issue the CTIN transaction only from a client.

**Module:** DFHZCT1

---

**AZAI**

**Explanation:** DFHZCT1 was started for transaction CTIN. However either the environment is wrong or the client architecture has been violated. This abend is always issued in conjunction with a DFHZC32nn message which explains the problem in more detail.

**System Action:** Exception trace point AP30xx is written. The transaction is abnormally terminated.

**User Response:** Look for a DFHZC32nn message on the console or CSNE and look for exception trace points AP30xx. Use these to diagnose the problem.

**Module:** DFHZCT1

---

**AZAJ**

**Explanation:** DFHZCN1 was started for transaction CCIN. However, the CCIN transaction is being started on a surrogate, which means that it has been defined as a remote transaction. CCIN must be a local transaction and be run on a CICS region which is directly connected to a client.

**System Action:** Exception trace point AP3041 is written. The transaction is abnormally terminated.

**User Response:** Either use the default definitions for CCIN or ensure that it is defined as a local transaction.

**Module:** DFHZCN1

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**AZAK**

**Explanation:** DFHZCT1 was started for transaction CTIN. However, the CTIN transaction is being started on a surrogate, which means that it has been defined as a remote transaction. CTIN must be a local transaction and be run on a CICS region which is directly connected to a client.

**System Action:** Exception trace point AP3039 is written. The transaction is abnormally terminated.

**User Response:** Either use the default definitions for CTIN or ensure that it is defined as a local transaction.

**Module:** DFHZCT1

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**AZAL**

**Explanation:** An internal logic error has been detected during APPC mapped processing. The conversation state maintained by DFHZARL does not match that maintained jointly by DFHETL and DFHZARM.

The problem may also arise when CICS is assembling application data and receives end of chain before receiving all of the data that is expected.

**System Action:** The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZARM

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**AZCB**

**Explanation:** CICS has received sense code X'088901.xx' during APPC mapped processing. This should be followed by an error data GDS (generalized data stream) variable.

CICS has attempted to receive the error data. However this attempt has failed because no data has been received or because the data received is not for an CICS ISSUE ERROR of the correct length.

CICS expects the error data to indicate that the other system does not recognize GDS ID X'12F2' (function management data).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

The erroneous GDS ID is returned to the remote system for further analysis there.

**User Response:** Check for session failure and for abend by the transaction in the other system.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZARM

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**AZCC**

**Explanation:** The failing transaction has sent function management data to a transaction running in a system that does not provide support for application function management data.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Check that the remote system can support application function management data.

**Module:** DFHZARM

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**AZCD**

**Explanation:** A possible intersystem logic error has been detected during APPC mapped processing. The length of application data that is to be received (as determined from the LL fields and concatenation flags) does not match the length actually received. CICS determines the length of application data that is to be received from the LL fields and concatenation flags. However, CICS has not received all of the data that is expected.

This abend can be caused by a loss of data following the failure of a persistent sessions restart in a partner system. In this case, no logic error has occurred because any updates are backed out.
System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: If this abend is not caused by the failure of a persistent sessions restart in a partner system, you will need further assistance from IBM. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFHETL, DFHZARM

AZCE

Explanation: An intersystem error has been detected during APPC mapped processing. The length of application data that is to be received (as determined from the LLC fields and concatenation flags) exceeds the CICS implementation limit of 32767, for receive and converse commands, or 65000 for CICS transaction routing or function shipping requests.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Reduce the amount of data that the transaction in the remote system is transmitting to CICS.

Modules: DFHETL, DFHZARM

AZCF

Explanation: An internal logic error has been detected during APPC mapped processing. An invalid request has been passed to DFHZARL.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARM

AZCG

Explanation: An internal logic error has been detected during APPC mapped processing. DFHZARM expects the TCTTE passed to have been defined as APPC, TCTEILUC (TCTELUC) set on, and TCTEVT set to TCTEMAPD (to indicate a mapped conversation).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARM

AZCH

Explanation: Sense code X’0889xxxx’ has been received unexpectedly during the processing of APPC mapped data. This represents a violation of the APPC architecture by the remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Modules: DFHETL, DFHZARM

AZCI

Explanation: The processing of APPC mapped data requires generation of an APPC attach function management header (FMH) with default values. In particular, the sync level requested is defaulted to 2. However, the session that is to be used has been bound with a sync level of 1.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that:
- The entry in the TCT for the remote system has been defined with parallel sessions.
- The remote system is capable of supporting a sync level of 2.
- Exchange lognames has completed for the connection. You can use the CEMT INQUIRE CONNECTION to do this. See the CICS Intercommunication Guide for details of the exchange lognames process.

Modules: DFHETL, DFHZARM, DFHZARQ

AZCJ

Explanation: An APPC structured field with GDS ID X ‘12F1’ (null data) has been sent to a remote system that does not support the receipt of these fields. The remote system has responded negatively and has terminated the conversation.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: The problem is in the remote system. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARM

AZCK

Explanation: An internal logic error has been detected during error recovery for APPC mapped processing. The conversation was being switched to RECEIVE state by an internal CICS SEND INVITE, but the conversation had already been FREEd by the partner.

System Action: The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARM

AZCL

Explanation: CICS has received sense code X’088901xx’ during APPC mapped processing. The generalized data stream (GDS) should contain a valid GDS identity in the error data but CICS does not recognize the value. The values recognized by CICS are:
- X’12F1’ null data
- X’12F2’ function management data
- X’12FF’ application data.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check for session failure and for an abend by the transaction in the other system.

Module: DFHZARM
**AZCM**

**Explanation:** An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** See the related message produced by the domain that detected the original error.

**Module:** DFHZARM

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**AZCN**

**Explanation:** The task has been purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition provides an exception trace.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

**Module:** DFHZARM

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**AZCO**

**Explanation:** The VTAM persistent sessions initialization transaction CGRP has been started directly from a terminal. This is not permitted. This transaction can only be started internally by CICS.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** None.

**Module:** DFHZCGRP

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**AZCP**

**Explanation:** A logic error has been detected in ZCP. An allocation request for a starting task cannot be satisfied.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Modules:** DFHZSUP DFH62XM

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**AZCQ**

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain to change the recovery status of an intercommunication session. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** This failure is either the result of a task purge, or it represents a CICS logic error and you will need assistance from IBM.

See the related diagnostic material produced by the recovery manager domain.

**Modules:** DFHZSUP DFHMRXM DFH62XM

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**AZCR**

**Explanation:** A logic or protocol error has been detected during processing of an APPC SYNCPOINT ROLLBACK request. An attempt has been made to restore the conversation state to what it was after completion of the last successful unit of work. This saved state does not match flows received from the partner.

The problem arises during rollback in one of the following situations:

- The saved state is receive, and the partner sent change direction on the last flow, indicating that the partner expects CICS to be in send state.
- The saved state is send, and the partner did not send the change-direction indicator on the last flow, indicating that the partner expects CICS to be in receive state.

**System Action:** The task is abnormally terminated with a CICS transaction dump. Other processing continues.

**User Response:** The problem can arise because of a failure in CICS, or a failure in the partner. To determine which is failing, analyze the flows at the last successful syncpoint. Try to determine the states the two LUs were in at this point. Look at the last syncpoint flow into CICS from the partner, before the abort. From this flow, calculate whether the change-direction indicator on the SPCMOD modifier byte is on. (See the SNA Formats manual for further information on the SPCMOD modifier byte.) The indicator must only be set when the saved CICS conversation state is send.

If the last CICS state was send, and the indicator is on, CICS is at fault. Similarly, if the last CICS state was receive, and the indicator is off, CICS is at fault.

If the last CICS state was send and the indicator is off, or the last CICS state was receive, and the indicator is on, CICS has received a change-direction indicator when it was not expecting one. In this case, examine the partner for a logic error.

**Module:** DFHZARL

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**AZCT**

**Explanation:** A terminal read-time-out condition has been detected. The transaction has been waiting for a terminal input message for an interval longer than specified in the RTIMOUT value for that transaction.

Coding RTIMOUT in the PROFILE entry causes the task to be abnormally terminated if the terminal does not send input within the specified time.
System Action: The transaction is abnormally terminated. A dump is not provided unless the dump table entry for transaction dump code AZCT indicates that one should be taken.

User Response:
# APAR PQ30085

# If a HANDLE ABEND command has been issued for this task, the # read that was timed-out is still outstanding. In order to cancel this # read, issue an ABEND command at the end of the user exit # routine so that CICS can clean up the terminal's TCTTE. No # further terminal control commands should be issued.

Module: DFHZARQ

AZCU

Explanation: The COVR transaction has been started directly from a terminal, or by a START command. This is not permitted. This transaction can only be started internally by CICS.

System Action: The transaction is abnormally terminated. No transaction dump is taken.

User Response: None.

Module: DFHZCOVR

AZCV

Explanation: A logic error has been detected in the COVR transaction while trying to connect to VTAM.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZCOVR

AZCW

Explanation: An attempt has been made to run the CICS internal task CSTP as a user transaction.

System Action: CICS terminates the task with a transaction dump.

User Response: Investigate why the attempt was made to run CSTP as a user transaction.

Module: DFHZCSTP

AZIA

Explanation: The transaction attempted to acquire or free storage during MRO processing. The response from the CICS storage manager (SM) domain indicated that the request was invalid.

System Action: The task is abnormally terminated with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZIS2

AZIB

Explanation: The transaction was purged whilst waiting for storage to receive MRO data from a connected subsystem. The purge may have been the result of operator action, such as CEMT SET TASK PURGE, or as the result of the waiting time exceeding the DTIMOUT value for the transaction.

System Action: The task is abnormally terminated with a dump.

User Response: If the condition is caused by time-out, examine the DTIMOUT value for the failing transaction and increase it if it is too low.

Module: DFHZIS2

AZIC

Explanation: An INVALID, DISASTER, or EXCEPTION condition has occurred on a call to the storage manager domain (DFHSMGFM) to FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message, and possibly a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Please see the related message from the domain that detected the original error.

Module: DFHZIS2

AZID

Explanation: A PURGED condition has occurred on a call to the storage manager domain (DFHSMGFM) to FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHZIS2

AZIE

Explanation: An interregion communication (IRC) ISSUE-ERROR or ISSUE-ABEND flow has been received in violation of IRC protocols. This can be caused by:

- A CICS logic error. IRC protocols are not available to MRO distributed transaction processing applications. They are for CICS internal use only.
- A transaction abend on a connected system. This results in an
FMH 7 flow over an LU6.2 connection and causes this abend to be issued.

**System Action:** The task is abnormally terminated with a transaction dump.

**User Response:** Check whether a mixture of mapped and unmapped conversations are being used as this can cause this abend. Check for any other reasons for transactions to be abending on the attached system.

If a CICS logic error is involved, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZARQ

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**AZIF**

**Explanation:** An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain to change the recovery status of an intercommunication session. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

This is either the result of a task purge, a CICS logic error, or of the inappropriate use of the indoubt test transaction, CIND. CIND should be activated only on the CICS system where the syncpoint processing was initiated. In particular, CIND should not be used on any of the CICS mirror transactions.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Determine whether CIND has been activated for a transaction that did not initiate the syncpoint processing. If CIND is not being used see the related diagnostic material produced by the recovery manager domain and determine the reason for the failure.

In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZARQ

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**AZI1**

**Explanation:** An IRC data transmission request has been issued, but cannot be completed because the transmission protocol has been violated.

If the session is not used for distributed transaction processing, that is if it is used for function shipping or transaction routing, then the problem is caused by a CICS logic error.

If the session is used for distributed transaction processing, then the following are possible causes of the abend:

- An invalid terminal control command, such as ISSUE SIGNAL, was issued.
- A send request was issued but the session was not in send state, or a read request was issued but the session was not in receive state.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Determine the cause of the abend and if appropriate, correct the application. For further guidance, refer to the section on the EXEC Interface block (EIB) in the *CICS Intercommunication Guide*. The EIB describes the state of the session after a request has been issued.

**Module:** DFHZARQ

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**AZI2**

**Explanation:** An IRC data transmission request has been issued but cannot be completed. Possible causes of the problem include:

- The transaction running in the connected system has been purged, or
- The transaction running in the connected system has been timed out, or
- The abending transaction has attempted to SEND while in RECEIVE state, or
- The abending transaction has attempted to RECEIVE while in SEND state.

If the abend was caused by DFHIRP rejecting the transmission request, the dump will contain DFHIRP’s return code in the field TCTEIRET for the TCTTE representing the failed IRC session. The address of this TCTTE is in field B of the trace entry representing the DFHTC data transmission request.

The meanings of the DFHIRP return codes are given in the copybook, DFHIRSDB.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** If the cause of the error was a purge or a time-out, no further action is required.

If the error was caused by a condition such as an attempted SEND while in RECEIVE state or vice versa, analyze the dump and correct the protocol violation.

**Module:** DFHZARQ

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**AZI3**

**Explanation:** A terminal control request issued by an application to a remotely-owned terminal failed because the conversation with the other system failed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZARQ

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**AZI4**

**Explanation:** An IRC data transmission request has been issued, but cannot be completed because the other system has become unavailable for interregion communication.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Rerun the transaction when IRC is available.

**Module:** DFHZARQ

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**AZI5**

**Explanation:** An IRC data transmission request has been issued, but the data sent by the connected system in response to the request violated IRC protocols.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZARQ
AZI6
Explanation: The transaction was connected to another transaction in another CICS system via an IRC link. This other transaction has abnormally terminated.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Correct the cause of the abend in the connected transaction.
Module: DFHZARQ

AZI7
Explanation: The transaction was processing an MRO request which involved waiting for a response from a connected subsystem. The 'wait' request was rejected by the CICS dispatcher.
System Action: The transaction is abnormally terminated with a dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHZIS2

AZI8
Explanation: The error log data received with an ISSUE-ABEND flow on an IRC connection was not in the correct format.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHZIS1

AZI9
Explanation: The transaction was processing an MRO request which involved waiting for a response from a connected subsystem. During the wait, the failing transaction was purged. The purge can only have been the result of operator action, such as a CEMT SET TASK PURGE.
System Action: The task is abnormally terminated with a dump.
User Response: Investigate the reason the transaction was purged.
Module: DFHZIS2

AZRA
Explanation: DFHZARRC detected that the address of an FMH in the APPC was not in the receive buffer. The cause could either be a storage overwrite or a CICS internal logic error.
System Action: The transaction is abnormally terminated with a CICS transaction dump.
User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.
Module: DFHZARRC

AZRB
Explanation: Module DFHZARR0 was called with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS logic error.
System Action: The transaction is abnormally terminated with a CICS transaction dump.
User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHZARR0

AZRD
Explanation: The logical and physical APPC receive buffers have become out of step. This problem is caused either by a storage overwrite or by a CICS internal logic error.
System Action: The transaction is abnormally terminated with a CICS transaction dump.
User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.
Module: DFHZARR0

AZRE
Explanation: The logical APPC receive buffer (addressed by TCTERBLA) starts before or after the physical receive buffer (addressed by TCTERBLA). This is not valid as the logical receive buffer is the part of the physical receive buffer that is yet to be processed. This problem could be caused either by a storage overwrite or by a CICS internal logic error.
System Action: The transaction is abnormally terminated with a CICS transaction dump.
User Response: If this problem is reproducible then a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.
Module: DFHZARR0

AZRF
Explanation: The DFHZUSR state machine has returned an invalid state error at a point where it should not be possible. This is a CICS internal logic error.
System Action: The transaction is abnormally terminated with a CICS transaction dump.
User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHZARRF
AZRG

**Explanation:** The DFHZUSR state machine has returned an invalid state error at a point where it should not be possible. This is a CICS internal logic error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARR

AZRH

**Explanation:** The DFHZARR state variable RECEIVE_TYPE, used to control receive processing, has been set to an invalid value. The only other module that has access to this variable is DFHZARRF. This is a CICS internal logic error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARR

AZRI

**Explanation:** One of the parameters passed to DFHZARR1 was invalid. This is a CICS internal logic error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARR1

AZRJ

**Explanation:** The length of a record that DFHZARR0 has been requested to remove from the APPC receive buffer, is longer than the buffer itself. This problem could be caused either by a storage overwrite or by a CICS internal logic error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

**Module:** DFHZARR0

AZRK

**Explanation:** The DFHLUC parameter list passed back from DFHZERH to DFHZARRF contained an invalid combination of LUCCIERR, LUCCIFRE, and LUCCIRBK fields. This is a CICS internal logic error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARRF

AZRL

**Explanation:** Module DFHZARRF was called with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARRF

AZRM

**Explanation:** Module DFHZARR called one of its own internal routines at the wrong time. This is a CICS internal logic error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARR

AZRN

**Explanation:** The DFHLUC parameter list passed back from DFHZERH to DFHZARRF did not have LUCCIERR set on. This is a CICS internal logic error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZARRF
AZRO

Explanation: Module DFHZARER was called with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARER

AZRQ

Explanation: Module DFHZARER detected an invalid response from DFHZNAC. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARER

AZRP

Explanation: Module DFHZARER detected that the application buffer chained off of a TCTTE at offset TCTERCSA had a corrupted header. This is caused either by a CICS logic error or by a storage overwrite. The exception trace point that accompanies this abend code gives the TCTTE address.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARER

AZRS

Explanation: Module DFHZARRA is unable to acquire main memory for a new application buffer into which it is supposed to copy some data. This is because the DFHLUC receive request is SUBTYPE=LLID, SET=YES and DFHZARRA does not know the length to acquire on the GETMAIN. DFHZARRA requires the length of the record currently being received, but it has been set to 0 in error. This is a CICS logic error. The exception trace point that accompanies this abend code gives the TCTTE address.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARRA

AZRT

Explanation: Module DFHZARRA has detected that the application buffer, into which it is supposed to copy some data, is invalid. This is either because the address of the buffer is zero or because its length is less than that of the data to be copied into it. This is a CICS logic error. The exception trace point that accompanies this abend code gives the buffer address and length plus the data address and length.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARRA

AZRU

Explanation: Module DFHZARRF detected an unexpected response from DFHZARR0. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZARRF

AZRV

Explanation: Module DFHZARRF1 detected an unexpected response from DFHZARR0. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part
AZRW

4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** One of the parameters passed to DFHZARR1

### AZRW

**Explanation:** Module DFHZARRA detected a negative record length in the TCTTE (field TCTELLC). This is caused either by a CICS logic error or by a storage overwrite. The exception trace point that accompanies this abend code gives the TCTTE address and the value of TCTELLC.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

**Module:** DFHZARR

### AZR3

**Explanation:** During a GETMAIN request, the storage domain detected that the task was purged.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** Use the trace to investigate why the task was purged. Check if the master terminal operator was responsible.

**Module:** DFHZARRA

### AZR4

**Explanation:** An unexpected response has been received from a dispatcher domain call.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZARR

### AZR5

**Explanation:** An unexpected response has been received from a dispatcher domain call.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZARR

### AZR6

**Explanation:** An exception condition was raised as the result of a request from the APPC communications routine DFHZARL to the CICS recovery manager domain. This is either caused by a CICS logic error or by the inappropriate use of the indoubt test transaction, CIND. CIND should be activated only on the CICS system where the syncpoint processing was initiated. In particular, CIND should not be used on any of the CICS mirror transactions.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** Determine whether CIND has been activated for a transaction that did not initiate the syncpoint processing. If CIND is not being used, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZARR

### AZS0

**Explanation:** An invalid request was passed via the DFHZSTAM macro to the processing DFHZSTAP program. This is a CICS internal logic error.

**System Action:** The transaction is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** DFHZSTAP
AZS1

Explanation: No TCTTE pointer was passed via the DFHZSTAM macro to the processing DFHZ program. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZSTAP

AZS2

Explanation: The TCTTE passed via the DFHZSTAM macro to the processing DFHZSTAP program does not relate to an MRO or an APPC Conversation. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZSTAP

AZS3

Explanation: The TCTTE passed via the DFHZSTAM macro to the processing DFHZSTAP program for an APPC Conversation, but the LUC Extension Control Block was not located. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZSTAP

AZS4

Explanation: While processing a DFHZSTAM request in DFHZSTAP, the DFHZUSRM LUC State Machine was found to have an invalid setting. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZSTAP

AZS5

Explanation: Whilst processing a DFHZSTAM request in DFHZSTAP, the Internal State number was found to have an invalid setting. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZSTAP

AZS6

Explanation: Whilst processing a DFHZSTAM request in DFHZSTAP, the Internal State number was found to have an invalid setting. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZSTAP

AZTA

Explanation: The task does not own a terminal as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZTSP

AZTB

Explanation: An attempt to install or delete a remote terminal in this CICS system has failed. This abend can also occur if the CITS/CDTS/CMTS/CFTS transactions are not available (that is, if the transactions have not been installed).

System Action: DFHZTSP is abnormally terminated with a CICS transaction dump.

User Response: Verify that the listed transactions exist and have been installed. If they have, you need further assistance to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZTSP

AZTC

Explanation: An attempt to install or delete a remote terminal in this system has failed. This is because a short-on-storage (SOS) condition has caused the failure of a GETMAIN for the attach of CITS, CDTS, or CFTS.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason for the SOS condition. See the CICS Problem Determination Guide for guidance on dealing with the SOS condition.

Retry the transaction later.

Module: DFHZTSP

AZTF

Explanation: DFHZTSP tried to GETMAIN or FREEMAIN a TCTTE whose length (TCTTETEL) is longer than the largest TCTTE SUBPOOL and is therefore invalid. This implies a storage violation or a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to identify the TCTTE in error. First, check whether this is a storage overwrite. If so, check in your statistics to see if you are getting a number of storage violations caused by the same transaction. If this is the
case, then a user-supplied application is probably causing the problem.

If it is not a storage violation problem, or if there is a random storage violation, there might be an error in CICS. In this case, you need further assistance to resolve the problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZTSP

AZTG
Explanation: An attempt has been made to attach a task on a remotely-owned terminal without an intersystem TCTTE as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZTSP

AZTH
Explanation: An error response was received from the remote terminal control macro.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZTSP

AZTI
Explanation: An attempt has been made to attach a task on a remotely-owned terminal, but the terminal is not defined in this system as a remotely-owned terminal. Alternatively, another task holds a lock on this terminal.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the terminal control table definitions in the systems involved. If the definitions are correct, check that no other tasks have locks held on the terminal (CECI, for example).

Module: DFHZTSP

AZTL
Explanation: An attempt has been made to attach a task to a remotely-owned terminal that cannot be used to run this transaction.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Check the terminal control table definitions in the systems involved.

Module: DFHZTSP

AZTP
Explanation: A BMS TYPE=STORE request issued on behalf of a remote transaction failed.

System Action: The task abnormally terminates with a CICS transaction dump.

User Response: Ensure that the required BMS support has been generated.

Module: DFHZTSP

AZTQ
Explanation: Invalid BMS data received from remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZTSP

AZTR
Explanation: A BMS TYPE=PAGEOUT request issued on behalf of a remote system failed.

System Action: The task abnormally terminates with a CICS transaction dump.

User Response: Ensure that the required BMS support has been generated.

Module: DFHZTSP
AZTS
Explanation: An attempt to ship data to a remote system failed.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Investigate why the conversations with the remote system failed. The transaction on the remote system has probably been abnormally terminated or the session has failed.
Module: DFHZTSP

AZTT
Explanation: An attempt was made to attach a task on a remote system, but the connection with the remote system is not an APPC or MRO connection.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Redefine the connection as APPC or MRO, or avoid using transaction routing on this connection.
Module: DFHZTSP

AZTU
Explanation: The task does not own the link TCTTE after a sync point has been taken.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHZTSP

AZTV
Explanation: An invalid function management header (FMH) has been received from the remote system.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHZTSP

AZTW
Explanation: An attempt was made to attach a task on a remotely-owned terminal that was already running a task.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Check the terminal control table definitions in the systems involved.
Module: DFHZTSP

AZTY
Explanation: A session TCT entry for a remotely owned APPC terminal or connection could not be created because to do so would exceed the maximum number of APPC sessions permitted.

# APAR PQ27823
# The maximum number of sessions depends on whether the PTF shipped for APAR PQ27823 is installed. The basic limit is 46656 and the names are in the range -AAA to -999. The APAR doubles this limit to 93312 giving an additional range of AAA- to 999-.
System Action: The task is abnormally terminated with a CICS transaction dump.
User Response: Inform the system programmer. Either wait for the system to become less busy, or delete some APPC sessions.
Module: DFHZTSP

# APAR PQ27823
# The system programmer should consider increasing the number of CICS TORs.
Module: DFHZTSP

AZTZ
Explanation: The CICS relay program DFHCRT has been attached in an unsupported manner.
System Action: CICS abnormally terminates the transaction with a transaction dump.
User Response: The relay transaction executes with an MRO session or an LU type 6.2 conversation as its principal facility. Ensure that the transaction is being attached by APPC terminal sharing logic and not directly by a user transaction.
If the transaction is being attached by APPC terminal sharing logic, you need further assistance to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHZTSP

AZT1
Explanation: The task has been attached improperly in the application-owning region when transaction routing.
System Action: CICS abnormally terminates the transaction with a transaction dump.
User Response: The conversation with the routing system should be an MRO session or an LU type 6.2 conversation. Ensure that the transaction is being attached by the CICS relay program in the connected system and not by a user program.
If the transaction is being attached by the CICS relay program in the connected system, you need further assistance to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHZTSP

AZT3
Explanation: The task is being routed back to the region from where it came.
System Action: CICS abnormally terminates the transaction with a transaction dump.
User Response: Correct the transaction definition.
Module: DFHZTSP
AZT6

**Explanation:** The task in the application-owning region has received a ROLLBACK request from the terminal-owning region, but the conversation is continuing. The terminal-owning region has violated the transaction routing protocol.

**System Action:** CICS abnormally terminates the transaction with a transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZTSP

AZT7

**Explanation:** A session terminal control table (TCT) entry for a remotely owned APPC terminal or connection could not be added to the TCT.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZTSP

AZT8

**Explanation:** A session terminal control table (TCT) entry for a remotely owned APPC terminal or connection could not be deleted from the TCT.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZTSP

AZT9

**Explanation:** A session terminal control table (TCT) entry for a remotely owned APPC terminal or connection could not be deleted from the TCT because it is locked by another task.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** The other task may be transitory in nature, and if so, another attempt will succeed.

**Module:** DFHZTSP

AZVA

**Explanation:** DFHZTSP has timed out waiting for service transaction CITS to complete during the creation of a remote terminal while attaching a task in the application-owning region.

The probable cause of this is that the application-owning region is very busy, so the CITS transaction has been waiting to be dispatched for longer than the timeout value allowed by DFHZTSP. Lack of storage on the target system is one possible reason why CITS has not been dispatched, or has been dispatched but has not completed.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

AZVE

**Explanation:** DFHZATS is trying to install a remote terminal with the same terminal id as an existing TCT entry.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Change the terminal names to ensure that a duplicate does not occur in the same system.

**Module:** DFHZATS

AZVD

**Explanation:** An unexpected error has occurred in DFHZATS. This is probably caused by DFHZATS being unable to address the CSA, EIB or the TCA. It can also occur if DFHZATS is called with an EXEC CICS START command for transactions CITS, CFTS, CMTS or CDTS. These are internal CICS transactions and should not be called in this way.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZATS

AZVF

**Explanation:** An unexpected error has occurred in the install procedure of DFHZATS.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** This is a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHZATS

AZVE

**Explanation:** DFHZATS is trying to install a remote terminal with the same terminal id as an existing TCT entry.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** Change the terminal names to ensure that a duplicate does not occur in the same system.

**Module:** DFHZATS

AZVF

**Explanation:** One of the remote install or delete transactions of DFHZATS (CITS, CFTS, CMTS or CDTS) has been started directly from a terminal. This is not permitted. These transactions can only be started internally by CICS.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** None.
AZVG

**Explanation:** An error has occurred in the remote delete routines.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVL

**Explanation:** An error has occurred during the mass flagging of remote terminals for deletion.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVM

**Explanation:** An error has occurred in DFHZATMF. This is probably caused by DFHZATMF being unable to address the CSA, EIB, or the TCA.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATMF

AZVN

**Explanation:** The remote delete flag transaction of DFHZATMF (CRMF) has been started directly from a terminal. This is not permitted. This transaction can only be started internally by CICS.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** None.

Module: DFHZATMF

AZVO

**Explanation:** The remote delete transaction of DFHZATMD (CRMD) has been started directly from a terminal. This is not permitted. This transaction can only be started internally by CICS.

**System Action:** The transaction is abnormally terminated with a transaction dump.

**User Response:** None.

Module: DFHZATMD

AZVP

**Explanation:** An error has occurred in DFHZATMD. This is probably caused by DFHZATMD being unable to address the CSA, EIB, or the TCA.

**System Action:** The task is abnormally terminated with a CICS transaction dump.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATMD
Explanation: A request to install a shipped terminal definition has been rejected by the autoinstall user program.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Retry the transaction when the system is less busy.

Module: DFHZATS

Explanation: An attempt to install a shipped terminal definition has failed because the autoinstall user program has issued an unexpected return code.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the autoinstall user program to determine why this return code was issued.

Module: DFHZATS

Explanation: An attempt to install a shipped terminal definition has failed because an error has occurred in the autoinstall user program.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the autoinstall user program to determine the reason for the failure.

Module: DFHZATS

Explanation: DFHZATS was attempting to autoinstall a shipped terminal, a virtual terminal or a shipped connection and the autoinstall URM was called. However the autoinstall failed for one of the following reasons:

- The name returned by the URM in SELECTED_SHIPPED_TERMID started with one of these characters:
  - <
  - >
  - 
- The value in the SIT VTPREFIX parameter contained imbedded blanks or a character that is not allowed for terminal names.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHZATS

Explanation: An unexpected error, with reason code 5, has been detected in the catchup program, DFHZXCU. See the description of message DFHXG6492 for further details.

System Action: Console message DFHXG6492 is issued, and CICS continues after abending the transaction.

User Response: Refer to message DFHXG6492.

Module: DFHZXCU

Explanation: An unexpected error, with reason code 4, has been detected in the catchup program, DFHZXCU. See the description of message DFHXG6492 for further details.

System Action: Console message DFHXG6492 is issued, and CICS continues after abending the transaction.

User Response: Refer to message DFHXG6492.

Module: DFHZXCU

System dump codes

Whenever a CICS system dump is requested, CICS references a system dump code that corresponds to the event that caused the dump request to be made. This is done in order to see what further action should be taken. More information about this can be found in the CICS Problem Determination Guide.

In most cases, system dump codes correspond to a DFH message with the DFH tag stripped off. For example, system dump code DM0001 corresponds to message DFHDM0001 with the DFH tag removed. For further information, look up the relevant message where appropriate.

However, there are some exceptions to this format, as shown in the following list.

<table>
<thead>
<tr>
<th>System dump code</th>
<th>Corresponding message or exception condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABNDU603</td>
<td>This system dump code refers to a USER abend code and is associated with message DFHSR0603.</td>
</tr>
<tr>
<td>ABNDU605</td>
<td>This system dump code refers to a USER abend code and is associated with message DFHSR0605.</td>
</tr>
<tr>
<td>APTRAPPC</td>
<td>This system dump code is associated with message DFHTR1001.</td>
</tr>
<tr>
<td>APTRAPUS</td>
<td>This system dump code is associated with message DFHTR1000.</td>
</tr>
<tr>
<td>APUSER</td>
<td>This system dump code is issued through the use of the CEBT transaction when performing a PERFORM SNAP command.</td>
</tr>
<tr>
<td>APXRFTO</td>
<td>This system dump code has no DFH message associated with it. An error in the currently active CICS system has occurred. An alternate CICS system is now taking control and is requesting that the active CICS system produces a dump of itself.</td>
</tr>
<tr>
<td>MT0001</td>
<td>This system dump code has no DFH message associated with it. It indicates that a dump was requested by a user of CEMT, issuing either a PERFORM SNAP or a PERFORM DUMP.</td>
</tr>
</tbody>
</table>
DHxx (IMS/ESA) abend codes

If the IMS high-level programming interface (HLPI) has found a condition caused by a programming error, or if DL/I has returned a status code to HLPI which indicates an error, IMS/ESA returns a status code xx to CICS Transaction Server for OS/390. These codes are described in the IMS/ESA Application Programming: EXEC DLI Commands manual.

DHTA
Explanation: A task has issued a program specification block (PSB) schedule request but the PSB could not be found.

DHTC
Explanation: A task has issued a program specification block (PSB) schedule request but the PSB has already been scheduled.

DHTE
Explanation: A task has issued a program specification block (PSB) schedule request but a PSB initializaton error occurred.

DHTG
Explanation: A task has issued a terminate request but the request failed because the program specification block (PSB) is not scheduled.

DHTH
Explanation: A task has issued a DL/I request but the request failed because the program specification block (PSB) is not scheduled.

DHTJ
Explanation: A task has issued a program specification block (PSB) schedule request but the request failed because CICS is not connected to DBCTL.

DHTQ
Explanation: A task has issued a program specification block (PSB) schedule request but the request failed.
01xx (translator) abend codes

0100  LISTING FILE CANNOT BE OPENED
Explanation: The listing data set has not opened successfully.
System Action: The CICS command level translator terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.
User Response: Ensure correct JCL or determine what is causing the open error.
Modules: DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

0101  UNRECOVERABLE TRANSLATOR ERROR
Explanation: The translator encountered a program check from which it could not recover.
System Action: The CICS command-level translator terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.
User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

02xx (DFHPD530) abend codes

0211  RECURSIVE PROGRAM CHECK
Explanation: A program check has occurred while the system dump formatting program was handling an earlier program check.
System Action: The system dump formatting program terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.
User Response: The program check preceding the abend is accompanied by message DFHPD0123. See the description of this message for more guidance.
Module: DFHPD530

0212  TOO MANY PROGRAM CHECKS
Explanation: A sixth program check has occurred during execution of the system dump formatting program.
System Action: The system dump formatting program terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.
User Response: This abend is preceded by five DFHPD0123 messages, one for each of the five earlier program checks. See the description of this message for more guidance.
Module: DFHPD530

03xx (DFHCSDUP) abend codes

0300  Explanation: The SYSIN data set has not opened successfully.
System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.
User Response: Ensure that the JCL is correct and that the SYSIN data set exists in sequential form. If necessary, examine the SYSIN DD statement to determine the cause of the error.
Module: DFHCSDUP

0301  Explanation: The RECFM parameter specified in the SYSIN data set is invalid.
System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.
User Response: Ensure that the RECFM parameter in the SYSIN data set is either F or V.
Module: DFHCSDUP

0302  Explanation: The record length specified in the SYSIN data set is invalid.
System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.
User Response: Ensure that the record length specified in the SYSIN data set is no greater than 80.
Module: DFHCSDUP

0303  Explanation: The SYSPRINT data set did not open successfully.
System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.
User Response: Ensure that the SYSPRINT data set exists. If necessary, examine the SYSPRINT DD statement to determine the cause of the error.
Module: DFHCSDUP

0304  Explanation: DFHCSDUP has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:
1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.
System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.
Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0305**

**Explanation:** An unexpected return code was received either while trying to close the alternate SYSIN and SYSPRINT DCBs (CLOSEDCB) or while trying to free the task local storage (FREETLS).

**System Action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0307**

**Explanation:** An attempt to print the input command failed. Since messages cannot be issued, the utility must terminate.

**System Action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0308**

**Explanation:** During the migration of a TCT table, a bad command sequence was found. This can occur for one of the following reasons:

- TYPETERM was not preceded by TERMINAL
- TERMINAL was not followed by TYPETERM

**System Action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User Response:** Correct the TCT table to be migrated and rerun the job.

**Module:** DFHCSDUP

---

**0309**

**Explanation:** DFHCSDUP has found an unrecognized function code in a command. This is a CICS internal logic error.

**System Action:** The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0321**

**Explanation:** An internal error has occurred in module DFHCSDUP when invoked by a CSD utility command.

**System Action:** Message DFH5100 is issued and the CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0322**

**Explanation:** While processing a MIGRATE command, the specified table to be migrated could not be loaded.

**System Action:** Message DFH5601 is issued and the CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

**Module:** DFHCSDUP

---

**0323**

**Explanation:** While processing a command, VSAM detected an error.

**System Action:** Message DFH5179 is issued preceded by either DFH5177 or DFH5178 depending on the error and the CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User Response:** See the description of the issued messages to determine the cause of the error.

**Module:** DFHCSDUP

---

**0325**

**Explanation:** When the LIST command invoked DFHDMP to scan the objects on the CSD file, an error occurred during execution of the DFHDMP function.

**System Action:** Message DFH5180 is issued and the CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

**User Response:** You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.
Module: DFHCSDUP

0326
Explanation: There has been an internal logic error in the DFHCSDUP utility program. The data in the back-translated output buffer is invalid. The length code may be out of range or the data fields in the wrong sequence. One or more of the data fields may be invalid.

System Action: Message DFH5184 is issued and the CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCSDUP

0327
Explanation: The language table DFHEITCU could not be loaded.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: Refer to the preceding message which should specify the reason for the failure. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCSDUP

0328
Explanation: The language table DFHEITCU could not be unloaded.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: Refer to the preceding message which should specify the reason for the failure. You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCSDUP

0330
Explanation: The cross reference table size for the table being migrated is too small.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP statement is provided, a system dump is produced.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the CICS Problem Determination Guide for guidance on how to proceed.

Module: DFHCSDUP

04xx (external CICS interface) abend codes

0401
Explanation: An external CICS interface (EXCI) request was issued using the CALL API or the EXEC API, and the EXCI stub DFHXCSTB link-edited with the application detected that it was running in AMODE 24. The external CICS interface only supports calls made in AMODE 31.

System Action: The application terminates abnormally.

User Response: Change the application so that EXCI calls are made in AMODE 31, or relink-edit the application AMODE 31.

Module: DFHXCSTB.

0402
Explanation: The external CICS interface module DFHXCRPH issued an MVS ESTAE macro to establish a recovery environment, but a nonzero return code was returned from MVS.

System Action: The application terminates abnormally with a dump.

User Response: Examine the dump and any associated MVS messages produced to determine why the MVS ESTAE request failed.

If the error occurred while processing an INITIALIZE_USER request on behalf of the application, an attempt to format the dump using the CICS IPCS dump formatter does not produce any formatted output. This is because the error occurred too early in EXCI initialization for there to be any control blocks.
Module: DFHXCPRH

0403

Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request to obtain storage for its XCGLOBAL block, but a nonzero return code was returned from MVS.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0403 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(XCGLOBAL_GETMAIN_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(602).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0404

Explanation: The external CICS interface module DFHXCPRH needed to take an MVS SDUMP for an earlier reported problem. However the error has occurred too early in EXCI initialization for EXCI dump services to be available.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0404 which invokes its ESTAE routine from which a SYSMDUMP is taken instead of an SDUMP to capture the earlier reported problem.

User Response: Examine the SYSMDUMP to determine the cause of the earlier reported problem.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0405

Explanation: The external CICS interface module DFHXCPRH issued an IEFSSREQ SSI verify request to MVS to determine the number of the CICS SVC type 3 SVC to use. The SSI VERIFY request failed.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0405 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(SSI_VERIFY_FAILED) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the SSI verify failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(606).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the SSI VERIFY request failed.

Module: DFHXCPRH

0406

Explanation: The external CICS interface module DFHXCPRH called the CICS SVC to initialize the EXCI environment. The CICS SVC call failed.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0406 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(CICS_SVC_CALL_FAILURE) in its return area. The subreason1 field of the return area contains the R15 return code from the CICS SVC indicating why it failed. An application using the EXCI EXEC API receives Resp(LINKERR) Resp2(607).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the CICS SVC call failed.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0407

Explanation: The external CICS interface module DFHXCPRH issued a call to the CICS SVC to check whether the SVC in use is at the correct level to be used with the external CICS interface. The check failed indicating that the CICS SVC is not at the correct level.

System Action: Message DFHEX0100 is output, and module DFHXCPRH issues an MVS abend with abend code 0407 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(INCORRECT_SVC_LEVEL) in its return area. An application using the EXCI EXEC API receives Resp(LINKERR) Resp2(627).

User Response: See the explanation of message DFHEX0100 for guidance.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0408

Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request for its working storage but a nonzero return code was returned from MVS.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0408 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(WS_GETMAIN_ERROR) in its return area. The
subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(601).

**User Response:** Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

An attempt to format the SYMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

**Module:** DFHXCPRH

---

### 0409

**Explanation:** The external CICS interface module DFHXCPRH issued an MVS GETMAIN request for storage required for its SSI VERIFY request, but a nonzero return code was returned from MVS.

**System Action:** Module DFHXCPRH issues an MVS abend with abend code 0409 which invokes its ESTAE routine to clear up its environment. A SYMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(VERIFY_BLOCK GM ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(605).

**User Response:** Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

An attempt to format the SYMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

**Module:** DFHXCPRH

---

### 0410

**Explanation:** The external CICS interface module DFHXCPRH issued an MVS GETMAIN request for an XCUSER block but a nonzero return code was returned from MVS.

**System Action:** Module DFHXCPRH issues an MVS abend with abend code 0410 which invokes its ESTAE routine to clear up its environment. A SYMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(XCUSER_GETMAIN_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(603).

**User Response:** Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

**Module:** DFHXCPRH

---

### 0411

**Explanation:** The external CICS interface dump module DFHXCDMP was attempting to call the CICS SVC in order for an MVS SDUMP to be taken to capture an earlier problem. DFHXCDMP was unable to call the SVC as no SVC number was available. DFHXCDMP issued an 0411 abend in order that the callers ESTAE routine is invoked which takes a SYMDUMP instead.

**System Action:** A SYMDUMP is taken instead of an SDUMP for an earlier reported problem.

**User Response:** Use the SYMDUMP produced to diagnose the earlier reported problem.

An attempt to format the SYMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

**Module:** DFHXCDMP

---

### 0412

**Explanation:** The external CICS interface dump module DFHXCEIP was processing an EXCI EXEC API request and detected that the EXEC parameter list passed to it contained a function that is not supported by the external CICS interface.

**System Action:** The application is abnormally terminated with a dump.

**User Response:** This error indicates the parameter list being passed to the EXCI has not been generated by the CICS translator. The translator should always be used. Correct the application to specify the correct EXCI EXEC API command.

An attempt to format the SYMDUMP produced with the CICS IPCS dump formatter may not produce any formatted output for the job if this was the first EXCI request for this TCB.

**Module:** DFHXCEIP

---

### 0413

**Explanation:** The external CICS interface dump module DFHXCEIP was processing an EXCI EXEC API request and detected that the EXEC parameter list passed to it did not require the mandatory RETCODE parameter in which return codes are returned to the application.

An attempt to format the SYMDUMP produced with the CICS IPCS dump formatter may not produce any formatted output for the job if this was the first EXCI request for this TCB.

**System Action:** The application is abnormally terminated with a dump.

**User Response:** This error indicates the parameter list being passed to the EXCI has not been generated by the CICS translator. The translator should always be used. Correct the application to specify RETCODE.

**Module:** DFHXCEIP

---

### 0414

**Explanation:** The external CICS interface dump module DFHXCEIP issued an MVS ESTAE macro to establish a recovery environment but a nonzero return code was returned from MVS.

**System Action:** The application terminates abnormally with a dump.

**User Response:** Examine the dump and any associated MVS messages to determine why the MVS ESTAE request failed.
An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter may not produce any formatted output for the job if this was the first EXCI request for this TCB.

**Module:** DFHXCEIP

**0415**

**Explanation:** The external CICS interface module DFHXCEIP detected an error early in EXCI initialization before EXCI dump services were available. DFHXCEIP issues abend 0415 so that its ESTAE routine is invoked from where an SYSMDUMP is taken instead to capture the error.

**System Action:** The application terminates abnormally with a dump.

**User Response:** Examine the SYSMDUMP to determine the cause of the earlier reported error.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

**Module:** DFHXCEIP

**0555**

**Explanation:** A program check occurred, or an operating system or CICS abend was issued within the CICS JVM interface. CICS recovery processing issues an MVS 555 user abend in order to drive the language environment ESTAE routine, which is still active, as part of its cleanup and termination of the CICS task.

**System Action:** The 555 abend code drives language environment recovery processing. The JVM is terminated and the CICS task is abnormally terminated with the abend code that first initiated CICS recovery processing.

**User Response:** None. The 555 abend is an internal mechanism to ensure that CICS and Language environment recovery facilities correctly terminate the CICS task and the JVM environment.

**Module:** DFHAPLJ

---

### 05xx CICS JVM Interface abend codes

**0501**

**Explanation:** A JCICS Java Class method was invoked from a Java application running under control of a JVM and executing on a thread other than the initial process thread (IPT). JCICS requests can only be issued when executing under the initial process thread.

**System Action:** The thread is abended with a MVS 0501 user abend code causing the initial process thread to be abnormally terminated. Language environment recovery processing is driven causing a 4xxx abend to be issued under the J8 TCB on which the JVM is running. CICS recovery processing terminates the JVM and abnormally terminates the transaction with an ASRB abend code.

**User Response:** Change the application so that JCICS requests are issued when running under the initial process thread.

**Modules:** DFHCALLA, DFHMSGIF, DFHTRCIF

---

### 1xxx - 9xxx (COBOL II) abend codes

Abend codes with 1 through 9 as the first character are issued by COBOL II applications running on CICS. The last three digits of the abend code, xxx, correspond to the digits xxx in the associated COBOL II run-time message, IGZxxxI. For example, if you receive an abend code of 1001, the associated run-time message is IGZ001I.

COBOL II run-time messages are described in VS COBOL II Application Programming Debugging.

---

### 4xxx LE/370 abend codes

Abend codes in the range 4000 to 4095 are issued by LE/370 runtime library modules for LE enabled applications running on CICS.

When LE/370 detects an unrecoverable error, LE/370 terminates the transaction with an EXEC CICS abend with an abend code numbered from 4000-4095. A write-to-operator (WTO) is performed to write a CEE1000S message to the system console. This message contains the abend code and the reason code associated with the abend.

Some of these abends can occur when the system is under stress and LE/370 is unable to acquire the resources required to report a previous abend or failure. In this case there will usually be other symptoms that the system is under stress (for example short on storage messages or other transactions being purged with AEXY or AKC3 abends), and inspection of the transaction dump should allow identification of the original abend.

LE/370 abend codes and run-time messages are described in IBM Language Environment for MVS and VM Debugging Guide and Run-Time Messages.
Chapter 4. Transaction Dump Codes

A transaction dump is normally taken as a result of one of two events:

- When an application abends, or issues an EXEC CICS ABEND request.
  
  In this case, the dump code is the same as the transaction abend code.

- When either CICS or an application issues an EXEC CICS DUMP TRANSACTION request.
  
  In this case, the dump code is the value specified in the DUMPCODE operand of the request.

CICS-requested Transaction Dump Codes

AUTO

**Explanation:** The IBM-supplied sample PL/I terminal autoinstall program DFHZPTDX issues an EXEC CICS DUMP TRANSACTION request with this dump code if the autoinstall program is called with an unexpected request.

**System Action:** DFHZPTDX is ended.

**User Response:** Check and correct the request made to the sample autoinstall program.

**Module:** DFHZPTDX

CSXP

**Explanation:** The CEDF transaction has abended.

**System Action:** CEDF captures diagnostic information which may be used by IBM.

**User Response:** Check for a previous message which will indicate which abend caused CEDF to end abnormally. Investigate this abend.

See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

**Module:** CEDF

ERRS

**Explanation:** A CICS sample program has encountered an error and issued an EXEC CICS DUMP TRANSACTION request.

**System Action:** The sample program terminates abnormally.

**User Response:** Check and correct the source of the sample program which issued the DUMP TRANSACTION request.

**Module:** DFH£AAL, DFH£ABRW, DFH£ACOM, DFH£AREN, DFH£DALL, DFH£DBRW, DFH£DCOM, DFH£DREN, DFH£PALL, DFH£PBRW, DFH£PCOM, DFH£PREN, DFH0CALL, DFH0CBRW, DFH0CCOM, DFH0CREN

LDIN

**Explanation:** See dump code CSXP.

PAGE

**Explanation:** See dump code CSXP.

RMIN

**Explanation:** See dump code CSXP.
# Appendix. Summary of changes

This appendix lists messages and abends changed between CICS Transaction Server for OS/390 Release 3 and CICS Transaction Server for OS/390 Release 2.

## New abends

The following abends have been added:

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New messages
The following messages have been added.

DFHAC2031  DFHBA0225  DFHCF0352I  DFHCF0446
DFHAC2032  DFHBA0226  DFHCF0361I  DFHCF0447
DFHAC2045  DFHBA0227  DFHCF0362I  DFHCF0451
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960 CICS Messages and Codes
**Deleted abends**
The following abends have been deleted.

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- ABRB
- ABRL
- ABRM
- ABRT
- ABR2
- AD3C
- AD3Y
- AWBD
- AWBG
- AWBW
- AWB1

**Deleted messages**
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