

z/OS



# MVS System Messages

## Volume 6 (GOS - IEA)



z/OS



# MVS System Messages Volume 6 (GOS - IEA)

**Note**

Before using this information and the product it supports, be sure to read the general information under "Appendix. Notices" on page 467.

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This edition applies to Version 1 Release 1 of z/OS (5694-A01), and to subsequent releases and modifications until otherwise indicated in new editions.

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- Title and order number of this book
- Page number or topic related to your comment

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## About This Book

The MVS System Messages books primarily describe messages that are issued to the system operator at the system console and system messages that are logged. These include:

- Operator messages issued by the BCP and DFSMS/MVS.
- Log messages issued by the BCP and DFSMS/MVS.
- Some SYSOUT messages issued by the BCP and DFSMS/MVS. SYSOUT messages are issued by utilities that normally run in batch, such as SPZAP.
- Batch job messages issued by the BCP. Messages issued by JES2 or JES3 for batch jobs are in the JES messages books.

For the most part, messages issued at interactive terminals (like TSO/E and CICS terminals) are documented by the specific elements and products that support those terminals.

The titles of the MVS System Messages books indicate the range of message prefixes in the books:

- *z/OS MVS System Messages, Vol 1 (ABA-AOM)*, SA22-7631
- *z/OS MVS System Messages, Vol 2 (ARC-ASA)*, SA22-7632
- *z/OS MVS System Messages, Vol 3 (ASB-BPX)*, SA22-7633
- *z/OS MVS System Messages, Vol 4 (CBD-DMO)*, SA22-7634
- *z/OS MVS System Messages, Vol 5 (EDG-GFS)*, SA22-7635
- *z/OS MVS System Messages, Vol 6 (GOS-IEA)*, SA22-7636
- *z/OS MVS System Messages, Vol 7 (IEB-IEE)*, SA22-7637
- *z/OS MVS System Messages, Vol 8 (IEF-IGD)*, SA22-7638
- *z/OS MVS System Messages, Vol 9 (IGF-IWM)*, SA22-7639
- *z/OS MVS System Messages, Vol 10 (IXC-IZP)*, SA22-7640

If you do not know which book describes a particular message, try using LookAt (see “Using LookAt to look up message explanations” on page vi). Here are some of the books on that bookshelf:

- The MVS System Messages books
- *z/OS MVS Dump Output Messages*, SA22-7590
- *z/OS MVS System Codes*, SA22-7626
- *z/OS MVS Routing and Descriptor Codes*, SA22-7624
- *z/OS HCD Messages*, SC33-7986
- *z/OS JES2 Messages*, SA22-7537
- *z/OS JES3 Messages*, SA22-7552
- *z/OS TSO/E Messages*, SA22-7786
- *z/OS UNIX System Services Messages and Codes*, SA22-7807

For a list of message books sorted by message prefix, see “Message Directory” on page ix.

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## Who Should Use These MVS System Messages Books

The system messages books are for all people who receive messages from the system. Usually, these people are system operators, system programmers, and application programmers who do any of the following tasks:

- Initialize the operating system and its subsystems
- Monitor system activity
- Keep the system running correctly
- Diagnose and correct system problems
- Diagnose and correct errors in problem programs

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## How to Use These Books

The system messages books contain descriptions of messages, along with the following:

- “Message Library” on page ix tells how to create a customized message library
- “Message Directory” on page ix lists all message prefixes and the books containing the message descriptions
- “Chapter 1. Introduction” on page 1 describes how the system issues messages, where it places them, and their formats

**Message Explanations:** Message chapters are arranged alphabetically by the message prefixes. In each chapter, the messages are arranged numerically by the numbers following the prefix. For a general description of message explanations, see “How Messages are Explained in this Book” on page 5.

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## Using LookAt to look up message explanations

LookAt is an online facility that allows you to look up explanations for z/OS messages and system abends.

Using LookAt to find information is faster than a conventional search because LookAt goes directly to the explanation.

LookAt can be accessed from the Internet or from a TSO command line.

You can use LookAt on the Internet at:

<http://www.ibm.com/servers/eserver/zseries/zos/bkserv/lookat/lookat.html>

To use LookAt as a TSO command, LookAt must be installed on your host system. You can obtain the LookAt code for TSO from the LookAt Web site by clicking on **News and Help** or from the *z/OS Collection*, SK3T-4269.

To find a message explanation from a TSO command line, simply enter: **lookat message-id** as in the following example:

```
lookat iec192i
```

This results in direct access to the message explanation for message IEC192I.

To find a message explanation from the LookAt Web site, simply enter the message ID. You can select the release if needed.

**Note:** Some messages have information in more than one book. For example, IEC192I has routing and descriptor codes listed in *z/OS MVS Routing and Descriptor Codes*. For such messages, LookAt prompts you to choose which book to open.

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## Accessing licensed books on the Web

z/OS licensed documentation in PDF format is available on the Internet at the IBM Resource Link Web site at:

<http://www.ibm.com/servers/resourceLink>

Licensed books are available only to customers with a z/OS license. Access to these books requires an IBM Resource Link Web userid and password, and a key code. With your z/OS order you received a memo that includes this key code.

To obtain your IBM Resource Link Web userid and password log on to:

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To register for access to the z/OS licensed books:

1. Log on to Resource Link using your Resource Link userid and password.
2. Click on **User Profiles** located on the left-hand navigation bar.
3. Click on **Access Profile**.
4. Click on **Request Access to Licensed books**.
5. Supply your key code where requested and click on the **Submit** button.

If you supplied the correct key code you will receive confirmation that your request is being processed. After your request is processed you will receive an e-mail confirmation.

**Note:** You cannot access the z/OS licensed books unless you have registered for access to them and received an e-mail confirmation informing you that your request has been processed.

To access the licensed books:

1. Log on to Resource Link using your Resource Link userid and password.
2. Click on **Library**.
3. Click on **zSeries**.
4. Click on **Software**.
5. Click on **z/OS**.
6. Access the licensed book by selecting the appropriate element.

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## Where to Find the Most Current Message Information

The MVS System Messages books are cumulative. As messages are added to the system they are added to the books. Similarly, when messages are changed on the system, they are changed in the books. However, when a message is deleted from the system (no longer issued), the message is *not* deleted from the book. This means that users can look in the most recent message books for the most current descriptions of system messages.

To find the most current edition of a book, you can look on the Web. Point your browser to the z/OS home page and click on Library:

<http://www.ibm.com/s390/os390/>

When you are in the z/OS library area, use the messages and codes database to search for the message ID you are interested in.

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## Where to Find More Information

Many message descriptions refer to:

- **Data areas and control blocks:** See *z/OS MVS Data Areas, Vol 1 (ABEP-DALT)*, *z/OS MVS Data Areas, Vol 2 (DCCB-ITZYRETC)*, *z/OS MVS Data Areas, Vol 3 (IVT-RCWK)*, *z/OS MVS Data Areas, Vol 4 (RD-SRRA)*, and *z/OS MVS Data Areas, Vol 5 (SSAG-XTLST)*.
- **Dumps:** For examples of ABEND, stand-alone, and SVC dumps and how to read them, see *z/OS MVS Diagnosis: Tools and Service Aids*. For examples of component output from dumps and how to read and request it, see *z/OS MVS Diagnosis: Reference*.
- **Identification of a component, subsystem, or product:** See the *z/OS MVS Diagnosis: Reference* to identify the component, subsystem, or product from the name of an IBM module or for a macro. The module prefix and macro tables give the program identifier to be used in a PIDS symptom in a search argument.
- **System completion and wait state codes:** See *z/OS MVS System Codes*.
- **Logrec data set error records:** For the formatted records, see *z/OS MVS Diagnosis: Reference*.

- **Trace output:** For the formats and the meaning of the information in the generalized trace facility (GTF) trace, instruction address trace, master trace, system trace, and component trace, see *z/OS MVS Diagnosis: Tools and Service Aids*.

The following tables list books that contain information related to the information contained in the MVS System Messages books. For the titles and order numbers of books not in the tables, see *z/OS Information Roadmap*.

Use the appropriate *Principles of Operation* book for the hardware you have installed.

When the MVS System Messages books reference information in other books, the shortened version of the book title is used. The following tables show the complete titles and order numbers of the books that you might need while you are using the MVS System Messages books.

## Subsystem, Product, and Hardware Books

Title	Order Number
<i>ACF/TCAM Base Installation Guide</i>	SC30-3132
<i>Asynchronous Adapter Device Driver Table</i>	N/A
<i>C/370 Programming Guide</i>	N/A
<i>CICS Family: General Information</i>	N/A
<i>CICS Recovery and Restart Guide</i>	SC34-5721
<i>Common I/O-Device Commands</i>	SA22-7204
<i>CPI Communications Reference</i>	SC26-4399
<i>DATABASE 2 Application Programming Guide</i>	SC26-4293
<i>DB2 Application Programming Guide for TSO and Batch Users</i>	SC26-4081
<i>DATABASE 2 General Information Manual</i>	GC26-4073
<i>IBM DATABASE 2 Messages</i>	SC23-0592
<i>IBM DATABASE 2 Version 2 Messages and Codes</i>	SC26-4113
<i>IBM DATABASE 2 Version 2 Release 3 Messages and Codes</i>	SC26-4379
<i>IBM Graphics Access Method/SP Messages and Codes</i>	SC33-0143
<i>ES/9000: Operating Your System</i>	SA24-4350
<i>FileNet OSAR Library Unit Product Description</i>	PN9000102
<i>IBM 3290 Information Panel Description and Reference</i>	SR23-6155
<i>IBM 3990/9390 Operations and Recovery Guide</i>	GA32-0253
<i>IBM 3990/9390 Storage Control Planning, Installation, and Storage Administration Guide</i>	GA32-0100
<i>IBM 3990 Storage Control Reference for Model 6</i>	GA32-0099
<i>IBM 9340 Direct Access Storage Subsystems Reference</i>	GC26-4647
<i>LASERDRIVE** 1200 Engineering Specification</i>	N/A
<i>LASERDRIVE** 1200 Intelligent Digital Optical Disk Drive with SCSI Engineering Specification</i>	N/A
<i>Maintaining IBM Storage Subsystem Media</i>	GC26-4495
<i>Maintenance Information for the 9037 Sysplex Timer</i>	SY27-2605
<i>Maintaining IBM Storage Subsystem Media</i>	GC26-4495
<i>OS/2 Programming Tools and Info V-1.3 Manage Macro Assembler/2</i>	Z91F-9269

Title	Order Number
<i>OS/2 WARP Control Program Programming Reference</i>	N/A
<i>Portable Netware System Messages</i>	SC23-2424
<i>Print Services Access Facility/MVS User's Guide and Reference</i>	S544-3100
<i>z/Architecture Principles of Operation</i>	SA22-7832
<i>Remote Copy Administrator's Guide and Reference</i>	SC35-0169
<i>SCSI Adapter Completion Code Table</i>	N/A
<i>RT SCSI Adapter Device Driver Table</i>	N/A
<i>Sysplex Timer 9037 Maintenance</i>	SY27-2605
<i>VM/ESA CP Command and Utility Reference</i>	SC24-5519
<i>VM/ESA General User Command Reference</i>	SC24-5433

## Message Library

The message library is designed so that operators and programmers in an installation can build their own libraries of the message and code information that fits their specific needs. Each person can place into binders the chapters and books containing only the messages and codes he or she could receive.

### Basic Books

Each installation requires at least one copy of each of the MVS System Messages books and of *z/OS MVS Dump Output Messages*. Regardless of your specific system's options, you will receive at the console or in listings some subset of the messages in these books.

Each installation also requires at least one copy of *z/OS MVS System Codes*, which contains the 3-digit hexadecimal system completion codes (abend codes) and the wait state codes produced by all the components of the system.

**Note:** 4-digit decimal user completion codes appear in books for the component, subsystem, or product that produces the codes. Codes produced by installation-provided programs do not appear in IBM books.

All programming and operations personnel need access to the basic books, although application programmers might not need to have their own copies.

### Optional Books

For information about message changes for multiple z/OS elements including JES2, JES3, RACF, TCP/IP, and others, see *z/OS Summary of Message Changes*.

An installation's system programmer needs *z/OS MVS Routing and Descriptor Codes* for the routing and descriptor codes for the messages that have these codes.

### CD-ROM Collection

A comprehensive source of messages for IBM products is contained in the *IBM Online Library Productivity Edition: Messages and Codes Collection*, SK2T-2068.

## Message Directory

To use a message prefix to locate the book containing a specific message, see the following table.

Prefix	Component	Book Title - Order Number
ABA	DFSMSHsm	<i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i> , SA22-7631
ACP	LANRES	<i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i> , SA22-7631

Prefix	Component	Book Title - Order Number
ADF	Time Sharing Option Extensions (TSO/E) session manager	<i>z/OS TSO/E User's Guide</i> , SA22-7794 <i>z/OS TSO/E Command Reference</i> , SC28-1881 <i>z/OS TSO/E Messages</i> , SA22-7786
ADM	Graphical data display manager	<i>GDDM Messages</i> , SC33-0869
ADR	DFDSS	<i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i> , SA22-7631
ADRY	DFDSS	<i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i> , SA22-7631
ADY	Dump analysis and elimination (DAE)	<i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i> , SA22-7631
AEM	Graphical data display manager	<i>GDDM Messages</i> , SC33-0869
AFB	VSFORTTRAN	<i>VSFORTTRAN Version 2 Language and Library Reference</i> , SC26-4221
AHL	Generalized trace facility (GTF)	<i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i> , SA22-7631 <i>z/OS MVS Dump Output Messages</i> , GC28-1749
AMA	SPZAP service aid	<i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i> , SA22-7631
AMB	LIST service aid	<i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i> , SA22-7631
AMD	Stand-alone dump	<i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i> , SA22-7631
AMS	Availability manager	<i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i> , SA22-7631 <i>RMF Messages and Codes</i> , SC33-7993
ANT	Remote Copy	<i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i> , SA22-7631
ANF	Starting with Release 8: Infoprint Server	<i>z/OS Infoprint Server Messages and Diagnosis</i> , G544-5747
AOF	System Automation for OS/390	<i>System Automation for OS/390 Messages and Codes</i> , SC33-7041
AOM	Administrative operations manager	<i>z/OS MVS System Messages, Vol 1 (ABA-AOM)</i> , SA22-7631
AOP	Infoprint server	<i>z/OS Infoprint Server Messages and Diagnosis</i> , G544-5747
API	Starting with Release 8: Infoprint Server	<i>z/OS Infoprint Server Messages and Diagnosis</i> , G544-5747
APS	Print services facility (PSF)	<i>Print Services Facility Messages</i> , S544-3675
ARC	DFSMSHsm	<i>z/OS MVS System Messages, Vol 2 (ARC-ASA)</i> , SA22-7632
ARRP	System Control Program (SCP)	See message 52099 in <i>Enterprise System/9000 Models 190, 210, 260, 320, 440, 480, 490, 570, and 610 Messages Part 2</i> for a complete message explanation and appropriate responses; see GA23-0378
ASA	MVS Reuse	<i>z/OS MVS System Messages, Vol 2 (ARC-ASA)</i> , SA22-7632
ASB	Advanced Program-to-Program Communications/MVS (APPC/MVS)	<i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i> , SA22-7633 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
ASD	LANRES	<i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i> , SA22-7633
ASM	Auxiliary storage manager (ASM)	<i>z/OS MVS Dump Output Messages</i> , SA22-7590
ASMA	High Level Assembler for MVS & VM & VSE	<i>HLASM Programmer's Guide</i> , SC26-4941

Prefix	Component	Book Title - Order Number
ASR	Symptom record (SYMREC)	<i>z/OS MVS Dump Output Messages</i> , SA22-7590
ATB	Advanced Program-to-Program Communications/MVS (APPC/MVS)	<i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i> , SA22-7633 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
ATR	Resource recovery services (RRS)	<i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i> , SA22-7633 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
AVM	Availability manager	<i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i> , SA22-7633
BFS	IBM LAN server for MVS	<i>OS/390 MVS System Messages, Vol. 2</i> , GC28-1785
BLG	Information System, Information Management	<i>The Information/Management Library Messages and Codes</i> , SC34-4459
BLM	Information System, Information Management	<i>The Information/Management Library Messages and Codes</i> , SC34-4459
BLS	Interactive problem control system (IPCS)	<i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i> , SA22-7633 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
BLX	Information System, Information Management	<i>The Information/Management Library Messages and Codes</i> , SC34-4459
BLW	Loadwait/Restart	<i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i> , SA22-7633
BNH	Network Problem Determination Application (NPDA)	<i>NPDA Messages</i> , SC34-2115
BPX	z/OS UNIX System Services	<i>z/OS MVS System Messages, Vol 3 (ASB-BPX)</i> , SA22-7633 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
CBDA	Hardware configuration definition (HCD)	<i>z/OS MVS System Messages, Vol 4 (CBD-DMO)</i> , SA22-7634 <i>z/OS HCD Messages</i> , SC33-7986
CBR	Object access method (OAM)	<i>z/OS MVS System Messages, Vol 4 (CBD-DMO)</i> , SA22-7634
CEE	Language Environment	<i>z/OS Language Environment Debugging Guide</i> , GA22-7560
CHS	MVSSERV messages for the user and system programmer	<i>z/OS TSO/E Messages</i> , SA22-7786
CIM	Managed System Infrastructure for Setup (msys for Setup)	<i>z/OS MVS System Messages, Vol 4 (CBD-DMO)</i> , SA22-7634
CMP	Compression management services	<i>z/OS MVS System Messages, Vol 4 (CBD-DMO)</i> , SA22-7634
CLB	C/C++ class library runtime messages	<i>z/OS MVS System Messages, Vol 4 (CBD-DMO)</i> , SA22-7634
CNL	MVS message service (MMS)	<i>z/OS MVS System Messages, Vol 4 (CBD-DMO)</i> , SA22-7634 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
COF	Virtual lookaside facility (VLF)	<i>z/OS MVS System Messages, Vol 4 (CBD-DMO)</i> , SA22-7634 <i>z/OS MVS Dump Output Messages</i> , SA22-7590 <i>z/OS TSO/E Messages</i> , GC28-1885
CSQ	MQSeries	<i>MQSeries for OS/390 V2R1 Messages and Codes</i> , GC34-5375

Prefix	Component	Book Title - Order Number
CSR	Callable services requests (CSR)	<i>z/OS MVS System Messages, Vol 4 (CBD-DMO)</i> , SA22-7634 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
CSV	Contents supervision, virtual fetch, fetch	<i>z/OS MVS System Messages, Vol 4 (CBD-DMO)</i> , SA22-7634 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
CSY	OPC/A Production Control System	<i>OPC/A Messages</i> , SH19-6448
CSZ	OPC/A Network Event Communicator	<i>OPC/A Messages</i> , SH19-6448
DFH	Customer Information Control System/Virtual Storage (CICS/VS)	<i>CICS/ESA Messages and Codes</i> , SC33-0672
DLX	DLF installation exit COFXDLF2	These messages are issued by the sample DLF installation exit, COFXDLF2, whose source can be found in SYS1.SAMPLIB. Because the issuing module is a "sample", which can be modified by the customer, the messages are not described in an IBM book.
DMO	Device Manager	<i>z/OS MVS System Messages, Vol 4 (CBD-DMO)</i> , SA22-7634 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
DQD	Cache RMF Reporter (CRR)	<i>Cache RMF Reporter Program Description/Operations Manual</i> , SH20-6295
DRK	OPC/A Event Manager Subsystem	<i>OPC/A Messages</i> , SH19-6448
DSI	NetView	<i>TME 10 NetView for OS/390 Messages</i> , SC31-8237
DSM	Document Composition Facility	<i>DCF: Messages</i> , SH35-0048
DSM	Document Library Facility	<i>DCF: Messages</i> , SH35-0048
DSN	Database 2	<i>DB2 Universal Database for OS/390 Messages and Codes</i> , GC26-9011
DZI	Overlay Generation Language	<i>IBM Overlay Generation Language/370 User's Guide and Reference</i> , S544-3702
DZJ	Print Management Facility	<i>Print Management Facility User's Guide and Reference</i> , SH35-0059
EDC	C/C++ Run-time Library	<i>z/OS Language Environment Debugging Guide</i> , GA22-7560
EDG	DFSMSrmm	<i>z/OS MVS System Messages, Vol 5 (EDG-GFS)</i> , SA22-7635
ELM	IBM Communications Server — SNA	<i>z/OS Communications Server: SNA Messages</i> , SC31-8790
EQQ	OPC/ESA	<i>OPC/ESA Messages and Codes</i> , SH19-6719
ERB	Resource Measurement Facility (RMF)	<i>z/OS MVS System Messages, Vol 5 (EDG-GFS)</i> , SA22-7635 <i>RMF Messages and Codes</i> , SC33-7993
ERX	Graphical data display manager	<i>GDDM Messages</i> , SC33-0869
EWX	LANRES	<i>z/OS MVS System Messages, Vol 5 (EDG-GFS)</i> , SA22-7635
EZA	IBM Communication Server — IP	<i>z/OS Communications Server: IP Messages Volume 1 (EZA)</i> , SC31-8783
EZB	IBM Communication Server — IP	<i>z/OS Communications Server: IP Messages Volume 2 (EZB)</i> , SC31-8784



Prefix	Component	Book Title - Order Number
EZM	Application Enabling Technology (AET)/Auto UNIX System	<i>OS/390 Application Enabling Technology: Administration and Programming</i> , GC28–1993  <i>OS/390 Application Enabling Technology: Customization Guide</i> , GC28–1994  <i>OS/390 MVS System Messages (EWX-IEB)</i> , GC28–1786
EZY	z/OS Communication Server — IP	<i>z/OS Communications Server: IP Messages Volume 3 (EZY)</i> , SC31-8785
EZZ	z/OS Communication Server — IP	<i>z/OS Communications Server: IP Messages Volume 4 (EZZ-SNM)</i> , SC31-8786
FDBX	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FLM	Software configuration and library manager	<i>z/OS ISPF Messages and Codes</i> , SC34-4815
FOMC	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FOMF	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FOMI	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FOMM	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FOMO	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FOMOA	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FOMOG	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FOMOH	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FSUM	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FSUMA	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FSUMB	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FSUMF	UNIX System Services	<i>z/OS UNIX System Services Messages and Codes</i> , SA22-7807
FOR	LE FORTRAN Library	<i>IBM Language Environment for MVS &amp; VM FORTRAN Run-Time Migration Guide</i> , SC26-8499
GDE	Distributed FileManager/MVS (DFM/MVS)	<i>z/OS MVS System Messages, Vol 5 (EDG-GFS)</i> , SA22-7635
GFSA	Network File System Server	<i>z/OS MVS System Messages, Vol 5 (EDG-GFS)</i> , SA22-7635
GFSC	Network File System Server Client Messages	<i>z/OS MVS System Messages, Vol 5 (EDG-GFS)</i> , SA22-7635
GIM	SMP/E	<i>z/OS SMP/E Messages, Codes, and Diagnosis</i> , GA22-7770
GQD	Graphical data display manager	<i>GDDM Messages</i> , SC33-0869
GQF	Graphical data display manager	<i>GDDM Messages</i> , SC33-0869
HASP	JES2, network job entry facility for JES2	<i>z/OS JES2 Messages</i> , SA22-7537
IAR	Real storage manager (RSM)	<i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i> , SA22-7636  <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IAT	JES3	<i>z/OS JES3 Messages</i> , SA22-7552
ICE	DFSORT sort program	<i>DFSORT Messages, Codes and Diagnosis Guide R14</i> , SC26-7050

Prefix	Component	Book Title - Order Number
ICH	Resource Access Control Facility (RACF)	<i>z/OS SecureWay Security Server RACF Messages and Codes</i> , SA22-7686
ICK	Device Support Facilities	<i>Device Support Facilities User's Guide and Reference</i> , GC35-0033
ICN	NCP/SSP/EP	<i>NCP/SSP/EP Messages and Codes</i> , SC30-3169
ICP	Input/Output Configuration Program (IOCP)	<i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i> , SA22-7636  <i>Input/Output Configuration Program User's Guide and Reference</i> , GC28-1027
ICQA	Information Center Facility administrator messages	<i>z/OS TSO/E Messages</i> , SA22-7786
ICQC	Information Center Facility user messages	<i>z/OS TSO/E Messages</i> , SA22-7786
ICT	Programmed Cryptographic Facility	<i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i> , SA22-7636
ICU	Cryptographic Unit Support	<i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i> , SA22-7636
IDA	Virtual storage access method (VSAM) control block expansion	<i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i> , SA22-7636
IDC	Access method devices	<i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i> , SA22-7636
IEA	<ul style="list-style-type: none"> <li>• Allocation/unallocation</li> <li>• Auxiliary storage manager (ASM)</li> <li>• Contents supervision</li> <li>• Communications task (COMMTASK)</li> <li>• Data Facility Product (DFP) components</li> <li>• Generalized trace facility (GTF)</li> <li>• Initial program load (IPL)</li> <li>• Input/output supervisor (IOS)</li> <li>• Master scheduler</li> <li>• Nucleus initialization program (NIP)</li> <li>• Program Call authorization (PC/AUTH) service routines</li> <li>• Reconfiguration</li> <li>• Recovery termination manager (RTM)</li> <li>• Supervisor control</li> <li>• System resources manager</li> <li>• System trace</li> <li>• Timer supervision</li> <li>• Virtual storage management (VSM)</li> </ul>	<i>z/OS MVS System Messages, Vol 6 (GOS-IEA)</i> , SA22-7636  <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IEB	Data Facility Product (DFP) utilities	<i>z/OS MVS System Messages, Vol 7 (IEB-IEE)</i> , SA22-7637



Prefix	Component	Book Title - Order Number
IEC	Data Facility Product (DFP) components	<i>z/OS MVS System Messages, Vol 7 (IEB-IEE), SA22-7637</i> <i>z/OS DFSMSdfp Diagnosis Reference, GY27-7618</i>
IEE	<ul style="list-style-type: none"> <li>• Auxiliary storage manager (ASM)</li> <li>• Communications task (COMMTASK)</li> <li>• Data Facility Product (DFP) components</li> <li>• JES2</li> <li>• JES3</li> <li>• Master scheduler</li> <li>• Reconfiguration</li> <li>• Recovery termination manager (RTM)</li> <li>• Supervisor control</li> <li>• System management facilities (SMF)</li> <li>• System resources manager (SRM)</li> <li>• System trace</li> <li>• Task management</li> <li>• Timer supervision</li> </ul>	<i>z/OS MVS System Messages, Vol 7 (IEB-IEE), SA22-7637</i> <i>z/OS MVS Dump Output Messages, SA22-7590</i>
IEF	<ul style="list-style-type: none"> <li>• Allocation/unallocation</li> <li>• Converter/interpreter</li> <li>• Data Facility Product (DFP) components</li> <li>• Initial program load (IPL)</li> <li>• Initiator/terminator</li> <li>• JES/scheduler services</li> <li>• JES2</li> <li>• Master scheduler</li> <li>• Master subsystem/subsystem interface (MSI)</li> <li>• Reconfiguration</li> <li>• Scheduler JCL facilities (SJF)</li> <li>• Scheduler restart</li> <li>• Scheduler services (ENF)</li> <li>• System management facilities (SMF)</li> </ul>	<i>z/OS MVS System Messages, Vol 8 (IEF-IGD), SA22-7638</i> <i>z/OS MVS Dump Output Messages, SA22-7590</i>
IEFC	Converter	<i>z/OS MVS System Messages, Vol 8 (IEF-IGD), SA22-7638</i>
IEFI	Converter/interpreter	<i>z/OS MVS System Messages, Vol 8 (IEF-IGD), SA22-7638</i>
IEH	Data Facility Product (DFP) utilities	<i>z/OS MVS System Messages, Vol 8 (IEF-IGD), SA22-7638</i>
IEV	Assembler H	<i>Assembler H Version 2 Application Programming: Guide, SC26-4036</i>

Prefix	Component	Book Title - Order Number
IEW	DFSMS (Linkage editor, Binder, Transport utility), Loader	<i>z/OS MVS System Messages, Vol 8 (IEF-IGD)</i> , SA22-7638
IFA	System management facilities (SMF)	<i>z/OS MVS System Messages, Vol 8 (IEF-IGD)</i> , SA22-7638 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IFB	Input/output environment recording routines: OBR and SVC 76	<i>z/OS MVS System Messages, Vol 8 (IEF-IGD)</i> , SA22-7638
IFC	IFCDIP00 service aid for the logrec data set  IFCEREP0 and IFCEREP1 service aids	<i>z/OS MVS System Messages, Vol 8 (IEF-IGD)</i> , SA22-7638 <i>Environmental Record Editing and Printing Program (EREP) User's Guide and Reference</i> , GC28-1378
IFD	Online test executive program (OLTEP)	<i>OS/390 MVS System Messages, Vol. 4</i> , GC28-1787
IFL	Network Control Program (NCP)  Advanced Communications Function (ACF) for Network Control Program (NCP)	<i>3704 and 3705 Control Program Generation and Utilities Guide and Reference Manual</i> , GC30-3008 <i>Network Control Program/System Support Programs/Emulation Programs Messages and Codes</i> , SC30-3169
IFO	MVS Assembler	<i>OS/VS - VM/370 Assembler Programmer's Guide</i> , GC33-4021
IGD	Storage management subsystem (SMS) of Data Facility Product (DFP)	<i>z/OS MVS System Messages, Vol 8 (IEF-IGD)</i> , SA22-7638 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IGF	Dynamic device reconfiguration (DDR) Machine check handler (MCH)	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639
IGGN	Data Facility Product (DFP)	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639
IGV	Virtual storage management (VSM)	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639
IGW	Data Facility Product (DFP) Storage management subsystem (SMS)	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IGY	VS COBOL II	<i>VS COBOL II Application Programming Guide</i> , SC26-4045
IGZ	VS COBOL II	<i>VS COBOL II Application Programming: Debugging</i> , SC26-4049, <i>z/OS Language Environment Debugging Guide</i> , GA22-7560
IHJ	Data Facility Product (DFP) checkpoint/scheduler restart	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639
IKF	VS COBOL II	<i>VS COBOL II Application Programming: Debugging</i> , SC26-4049
IKJ	Time Sharing Option Extensions (TSO/E)	<i>z/OS TSO/E Messages</i> , SA22-7786 <i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IKM	Programming Language/I (PL/I) syntax checker	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639

Prefix	Component	Book Title - Order Number
IKT	Time Sharing Option Extensions (TSO/E)	<i>z/OS TSO/E Messages</i> , SA22-7786, SC27-0614, SC27-0470, SC23-0114
	IBM Communications Server — SNA	<i>z/OS Communications Server: SNA Messages</i> , SC31-8790
ILM	IBM License Manager	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639
ILR	Auxiliary storage manager (ASM)	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639
ILX	VS FORTRAN Compiler	<i>VS FORTRAN Version 2 Programming Guide for CMS and MVS</i> , SC26-4222
IHV	System Automation for OS/390	<i>System Automation for OS/390 Messages and Codes</i>
ING	System Automation for OS/390	<i>System Automation for OS/390 Messages and Codes</i> , SC33-7041
INM	Interactive Data Transmission Facility (IDTF) TRANSMIT and RECEIVE commands	<i>z/OS TSO/E Messages</i> , SA22-7786
IOAC	Open Systems Adapter-Express (OSA-Express)	<i>S/390: OSA-Express Customer's Guide and Reference</i> , SA22-7403
IOP	Input/output configuration program (IOCP)	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639 <i>ES/3090 Processor Complex IOCP User's Guide and Reference</i> , SC38-0066
IOS	Input/output supervisor (IOS)	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IPD	FORTTRAN syntax checker	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639
IRA	System resources manager (SRM)	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IRD	ESCON Director Device Support (EDDS)	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639
IRR	Resource Access Control Facility (RACF)	<i>z/OS SecureWay Security Server RACF Messages and Codes</i> , SA22-7686
IRX	Time Sharing Option Extensions (TSO/E) restructured extended executor language (REXX)	<i>z/OS TSO/E Messages</i> , SA22-7786
ISG	Global resource serialization	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
ISN	Service Processor Interface	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639
ISP	Interactive system productivity facility	<i>z/OS ISPF Messages and Codes</i> , SC34-4815
ISQ	System Automation for OS/390	<i>System Automation for OS/390 Messages and Codes</i>
ISRB	Interactive system productivity facility	<i>z/OS ISPF Messages and Codes</i> , SC34-4815
ISRL	Library management facility	<i>z/OS ISPF Messages and Codes</i> , SC34-4815

Prefix	Component	Book Title - Order Number
IST	IBM Communications Server — SNA	<i>z/OS Communications Server: SNA Messages</i> , SC31-8790
ISU	IBM Communications Server — SNA	<i>z/OS Communications Server: SNA Messages</i> , SC31-8790
ITA	TOLTEP for Advanced Communications Function for Virtual Telecommunications Access Method (ACF/VTAM)	<i>Advanced Communications Function for VTAM Messages and Codes</i> , SC27-0614, SC27-0470, SC23-0114
ITT	Component trace	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
ITV	Data-in-virtual	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
ITZ	Transaction trace	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IST	IBM Communications Server — SNA	<i>z/OS Communications Server: SNA Messages</i> , SC31-8790
IVT	IBM Communications Server — SNA	<i>z/OS Communications Server: SNA Messages</i> , SC31-8790
IWM	Workload manager (WLM)	<i>z/OS MVS System Messages, Vol 9 (IGF-IWM)</i> , SA22-7639 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IXC	Cross-system coupling facility (XCF)	<i>z/OS MVS System Messages, Vol 10 (IXC-IZP)</i> , SA22-7640 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IXG	System logger (SCLOG)	<i>z/OS MVS System Messages, Vol 10 (IXC-IZP)</i> , SA22-7640
IXL	Cross System Extended Services (XES)	<i>z/OS MVS System Messages, Vol 10 (IXC-IZP)</i> , SA22-7640 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IXP	Input/output configuration program (IOCP)	<i>z/OS MVS System Messages, Vol 10 (IXC-IZP)</i> , SA22-7640 <i>ES/9000 ES/3090 IOCP User's Guide Volume A04</i> , GC38-0097
IXZ	JES common coupling services (JESXCF)	<i>z/OS MVS System Messages, Vol 10 (IXC-IZP)</i> , SA22-7640 <i>z/OS MVS Dump Output Messages</i> , SA22-7590
IYP	Input/output configuration program (IOCP)	<i>z/OS MVS System Messages, Vol 10 (IXC-IZP)</i> , SA22-7640 <i>zSeries 900 IOCP User's Guide for IYP IOCP</i> , SB10-7029
IZP	Input/output configuration program (IOCP)	<i>z/OS MVS System Messages, Vol 10 (IXC-IZP)</i> , SA22-7640 <i>ES/9000 IOCP User's Guide and ESCON CTC Reference Volume A04</i> , GC38-0401
SNM	IBM Communication Server — IP	<i>z/OS Communications Server: IP Messages Volume 4 (EZZ-SNM)</i> , SC31-8786
USS	IBM Communications Server — SNA	<i>z/OS Communications Server: SNA Messages</i> , SC31-8790

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## Message Translation

Through the MVS message service (MMS), you can translate MVS system messages into other languages. Messages that cannot be translated include the following:

- Initialization messages
- DFSMS/MVS messages
- JES3 messages
- Some complicated multiple-line messages

See *z/OS MVS Planning: Operations* and *z/OS MVS Programming: Assembler Services Guide* for information about using the MMS.



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## Summary of Changes

: New, changed, or deleted messages can affect your system's automation routines. To ensure that your  
: installation's automation routines are current, review the new, changed, and deleted messages listed in  
: *z/OS Summary of Message Changes*. *z/OS Summary of Message Changes* is available on the *z/OS*  
: *Collection*, SK3T-4269 and in the *z/OS Internet library* at:  
: <http://www.ibm.com/servers/eserver/zseries/zos/bkserv/>

: **Summary of Changes**  
: **for SA22-7632-01**  
: **z/OS Version 1 Release 1**  
: **as updated June 2001**

: The book contains information previously presented in SA22-7632-00, which supports *z/OS Version 1*  
: *Release 1*.

: This book contains terminology, maintenance, and editorial changes:

- : • Technical changes or additions to the text and illustrations that were made for the June 2001 edition are  
: indicated by a colon ( : ) to the left of the change.
- : • Technical changes or additions to the text and illustrations that were made for the March 2001 edition  
: are indicated by a vertical line ( | ) to the left of the change.

: **Summary of Changes**  
: **for SA22-7636-00**  
: **z/OS Version 1 Release 1**

This book contains information previously presented in *OS/390 MVS System Messages, Volume 3*.





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## Chapter 1. Introduction

The z/OS operating system issues messages from z/OS elements and features, and from program products and application programs running on the system. The system issues messages in different ways and to different locations:

- Most messages are issued through WTO and WTOR macros to one of the following locations:
  - Console
  - Hard-copy log
  - Job log
  - SYSOUT data set

Routing codes determine where the messages are displayed or printed. The routing codes for messages issued by the operating system are in the *z/OS MVS Routing and Descriptor Codes* book.

- Other messages are issued through the WTL macro or the LOG operator command to the system log (SYSLOG).
- Dump messages are issued through the dumping services routines and can appear in:
  - SVC dumps, stand-alone dumps, or SYSMDUMP ABEND dumps formatted by the interactive problem control system (IPCS)
  - Trace data sets formatted by the interactive problem control system (IPCS)
  - ABEND dumps or SNAP dumps produced by the dumping services

In dump or trace data sets formatted by IPCS, the messages appear interactively on a terminal or in a printed dump.

- Some messages are issued through DFSMS/MVS access methods directly to one of the following locations:
  - Output data set
  - Display terminal

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## Locations

### Console

Messages sent to a multiple console support (MCS) console or an extended MCS console are intended for the operators. Operators can control which messages are displayed. See the *z/OS MVS Planning: Operations* book for information about controlling message display.

The system writes in the hard-copy log all messages sent to a console, whether the message is displayed or not.

### Hard-Copy Log

A record of all system message traffic, which consists of the following:

- Messages to and from all consoles
- Commands and replies entered by the operator

In a dump, these messages appear in the master trace. For information about the master trace, see *z/OS MVS Diagnosis: Tools and Service Aids*.

With JES3, the hard-copy log is always written to the system log. With JES2, the hard-copy log is usually written to the system log, but an installation can specify that the system write the hard-copy log to a console printer.

## System Log

The system log (SYSLOG) is a SYSOUT data set provided by the job entry subsystem (either JES2 or JES3). SYSOUT data sets are output spool data sets on direct access storage devices (DASD). An installation usually prints the system log periodically. The system log consists of:

- All messages issued through WTL macros
- All messages entered by operator LOG commands
- Usually, the hard-copy log
- Any messages routed to the system log from any system component or program

## Job Log

Messages sent to the job log are intended for the programmer who submitted a job. The job log is specified in the system output class on the MSGCLASS parameter of the JCL JOB statement.

## SYSOUT Data Set

Messages sent to a SYSOUT data set are intended for a programmer. These messages are issued by an assembler or compiler, the linkage editor and loader, and an application program. If the SYSOUT data set and the MSGCLASS parameter on the JCL JOB statement specify the same class, all messages about a program will appear in the same SYSOUT listing.

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## Messages

A displayed or printed message can appear by itself or with other information, such as a time stamp. The following topic shows the format of the message. Then the topics show the information accompanying the message on the MCS console and on the hard-copy log in a JES2 system and a JES3 system.

## Message Format

```
id CCCnnn text
id CCCnnns text
id CCCnnnns text
id CCCnnnnns text
id CCCSnnns text
```

**id** Reply identifier: It is optional. It appears if an operator reply is required. The operator specifies it in the reply.

**CCCnnn, CCCnnns, CCCnnnns, CCCnnnnns, CCCSnnns**

Message identifier.

### CCC

A prefix to identify the component, subsystem, or product that produced the message. The prefix is three characters.

**S** The subcomponent identifier, which is an optional addition to the prefix to identify the subcomponent that produced the message. The subcomponent identifier is one character.

### nnn, nnnn, nnnnn

A serial number to identify the individual message. The serial number is three, four, or five decimal digits.

**s** An optional type code, which is one of the following:

**A Action:** The operator must perform a specific action.

**D Decision:** The operator must choose an alternative.

**E Eventual action:** The operator must perform action when time is available.

- I**      **Information:** No operator action is required. Most information messages are for a programmer.
- S**      **Severe error:** Severe error messages are for a programmer.
- W**      **Wait:** Processing stops until the operator performs a required action.

For messages with the prefix ADR, the type codes depend on whether the message is issued to the operator console or to SYSPRINT. For console messages, the type codes indicate the operator action:

- A**      Action: Operator must perform a specific action.
- D**      Decision: Operator must choose an alternative action.
- I**      Information: No operator action is required.
- W**      Attention: No operator action is required, but an error occurred.

For SYSPRINT messages, the type code indicates the severity:

- I**      Informational message.
- W**      Attention message. Task continues, but an error occurred.
- E**      Error message. The particular task might end or might continue without completing all requests.
- T**      Termination message. DFSMSdss ends.

For messages with the prefix BFS, the type codes indicate the severity of the detected error and are:

- E**      **Error.** Operator action is required.
- I**      **Information**
- W**      **Attention**

For messages with the EWX prefix, an 11-character message exists of the form **EWXfffnnns**:

- EWX**    LANRES product code
- fff**    Function (module) identifier
- nnnn**   Message number
- s**      Severity code. Severity codes can be:
  - E**      Error. Action is required.
  - I**      Information. Action is not required.
  - S**      Severe Error. Action is required.
  - W**      Attention. Action may be required.

In the EWX messages, the three-character function identifiers are as follows:

*Table 1. EWX Message Module Identifiers*

Module ID	Function	Sending Command
ADM	Administration	EWXADMIN commands
COM	Host communications	All commands
DSK	Disk serving	Disk serving commands
DST	Distribution	EWXDS commands

Table 1. EWX Message Module Identifiers (continued)

Module ID	Function	Sending Command
PHL	Host-to-LAN print	EWXHLSRV
PLH	LAN-to-host print	EWXLHSRV
RES	Host session initialization	EWXCONN
SRV	NetWare service	EWXNWSRV

**Note:** When the term “MMC” is used in the messages, it is also referring to the System/370 Parallel Channel Adapter feature of the IBM 3172-3 interconnect controller.

For messages with the prefix CNLC, the type codes indicate the severity of the detected error and are:

**E**      **Error**  
**I**      **Information**  
**S**      **Severe**  
**W**      **Attention**

For messages with the prefix IEW and message numbers in the range 2000 through 2999, the type codes indicate the severity of the detected error and are:

**E**      **Error:** Severity 8  
**I**      **Information:** Severity 0  
**S**      **Severe error:** Severity 12  
**T**      **Terminating error:** Severity 16  
**W**      **Attention:** Severity 4

For messages with the prefix IGW01, the type codes indicate the severity of the detected error and are:

**E**      **Error:** Return code 8  
**I**      **Information:** Return code 0  
**S**      **Severe:** Return code 16  
**T**      **Ending:** Return code 12  
**W**      **Attention:** Return code 4

#### text

Text: The text provides information, describes an error, or requests an operator action.

Messages with the prefix IDA are preceded by a 2-digit severity code:

**04**      **Attention:** Processing may be successful.  
**08**      **Error:** Processing may fail.  
**12**      **Serious error:** Processing will probably fail.

Some messages have asterisks (\*) before or after the message identifier. Two asterisks after the message identifier for IDC messages indicates a second-level message that further explains a preceding message.

## How Messages are Explained in this Book

The following describes the different parts of message explanations in this book:

### Explanation

The meaning of the message, including why the system issued the message.

### System Action

- What the system did as a result of the system condition reported by the message. A system condition could include running out of storage, a hardware or software failure, an abend, a wait state.
- What the system did as a result of user input. User input can include a system command, a job running on the system, a transaction, a query, or another user-system interaction.

### Operator Response

Instructions for the system operator, including, as appropriate, decisions to make and actions to take.

Only provided for messages that could appear at the system console.

### User Response

Instructions for the end user.

Only provided for messages that could appear at an interactive interface such as a TSO/E terminal or ISPF application.

**Note:** Most user messages are explained in other message books, such as *z/OS TSO/E Messages*.

### Application Programmer Response

Instructions for an application programmer.

Only provided for messages that could appear in SYSOUT produced by a job, for example SPZAP.

### System Programmer Response

Instructions for the system programmer.

Only provided for messages that require additional action beyond the operator response, user response, or application programmer response.

### Storage Administrator Response

Instructions for the DFSMSdfp storage administrator.

### Security Administrator Response

Instructions for the security administrator.

Only provided for security-related messages.

### Problem Determination

Additional instructions for determining the cause of the problem, searching problem databases, and, if necessary, reporting the problem to the IBM support center. These instructions are for a customer support person who can troubleshoot problems, such as the system programmer or system administrator, an experienced security administrator, or an experienced storage administrator.

For additional information on performing problem determination procedures, see *z/OS MVS Diagnosis: Procedures* and the appropriate diagnosis guide for the product or element issuing the message, such as:

- DFSMS/MVS diagnosis guides and references
- *z/OS JES2 Diagnosis*
- *z/OS JES3 Diagnosis*

**Source**

Element, product, or component that issued the message.

**Detecting Module**

Name of the module or modules that detected the condition that caused the message to be issued.

**Messages Sent to MCS/SMCS Consoles**

Messages sent to MCS/SMCS consoles appear in one of the following formats:

- The MFORM parameter in the OPERPARM segment in the CONSOLxx parmlib member
- The MFORM parameter on the CONTROL S operator command.

```
f hh.mm.ss sysname jobname message
f hh.mm.ss sysname message
f hh.mm.ss jobname message
f hh.mm.ss message
f sysname jobname message
f sysname message
f jobname message
f message
```

**hh.mm.ss**

Time stamp: the hour (00-23), minute (00-59), and second (00-59).

**sysname**

System name for the system that issued the message.

**jobname**

Job name for the task that issued the message. This field is blank if a job did not issue the message.

**f** A screen character to indicate the status of certain messages, as follows:

- | The operator has performed the action required for the message. The message has been deleted.
- The message is for information only; no operator action is required. The message was issued by the system or by a problem program.
- \* The message requires specific operator action and was issued by a WTOR or by an authorized program. The message has a descriptor code of 1, 2, or 11.
- @ The message requires specific operator action and was issued by a WTOR or by a problem program. The message has a descriptor code of 1, 2, or 11.
- +
- The message requires no specific operator action and was issued by a problem program using a WTO macro.

**blank** The message requires no specific operator action.

**Note:** See the *z/OS MVS Routing and Descriptor Codes* book for the descriptor codes.

**message**

Reply identifier, message identifier, and text.

**Messages Sent to Hard-Copy Log in JES2 System**

Multiple console support (MCS) handles message processing in:

- A JES2 system
- A JES3 system on a local processor
- A JES3 system on a global processor, if JES3 has failed

MCS sends messages with routing codes 1, 2, 3, 4, 7, 8, and 10 to the hard-copy log when display consoles are used or more than one console is active. All other messages can be routed to the hard-copy log by a system option or a VARY HARDCPY operator command.

Messages sent to the hard-copy log appear in the format:

t	tcrrrrrr	sysname	yyddd	hh:mm:ss.th	ident	msgflags	message
t							message
t					lid		message

**t** The first character on the line indicates the record type:

- D** Data line of a multiple-line message; this line may be the last line of the message.
- E** End line or data-end line of a multiple-line message.
- L** Label line of a multiple-line message.
- M** First line of a multiple-line message.
- N** Single-line message that does not require a reply.
- O** Operator LOG command.
- S** Continuation of a single-line message or the first line of a multi-line message. This continuation may be required because of the record length for the output device.
- W** A multi-line message that requires a reply and sent only to the hard-copy log.
- X** A log entry that did not originate with a LOG command or a system message.

**Note:** This field does not appear when the hard-copy log is printed on a console in a JES2 system.

**c** The second character on the line indicates whether the line was generated because of a command:

- C** Command input.
- R** Command response.
- I** Command issued internally. The job identifier contains the name of the internal issuer.
- blank** Neither command input nor command response.

**Note:** This field does not appear when the hard-copy log is printed on a console in a JES2 system.

**rrrrrrr**

Hexadecimal representation of the routing codes 1 through 28. To understand this hexadecimal number, convert it to binary; each binary 1 represents a routing code. For example, X'420C' represents routing codes 2, 7, 13, and 14 as shown here:

Hexadecimal:	4	2	0	C
Binary:	0 1 0 0	0 0 1 0	0 0 0 0	1 1 0 0
Routing Codes:	1 2 3 4	5 6 7 8	9 10 11 12	13 14 15 16

**sysname**

The system name from the SYSNAME parameter in the IEASYSxx parmlib member.

**yyddd**

The Julian date, given as the year (00-99) and the day of the year (000-366).

**Note:** If HCFORMAT(CENTURY) is specified in the CONSOLxx parmlib member, the Julian date appears as *yyyyddd*.

**hh:mm:ss.th**

Time stamp, given as the hour (00-23), minute (00-59), second (00-59), and hundredths of a second (00-99).

**ident**

The job identifier for the task that issued the message, if the second character on the line is blank.

If the second character on the line is C or R, this field contains one of the following:

- jobid**            The job identifier of the task that issued the message, if it was issued by a job.
- consname**      Console name of the console which issued the command or received the message.
- INTERNAL**      For a command generated by a problem program or the system.
- INSTREAM**     For a command read from the input stream.
- blank**          If MCS could not determine the source or destination for the message.

**lid** Multiple-line identifier for the second and succeeding lines of a multiple-line message. This field appears after the message text (1) on the first line or (2) in the message area and not followed by text on a continuation of the first line. The identifier appears on all lines of the same message.

**msgflags**

Installation exit and message suppression flags. For mapping of these flags, see WQEXMOD in *z/OS MVS Data Areas, Vol 5 (SSAG-XTLST)*. For information about the description of the hardcopy log message flags, see HCL in *z/OS MVS Data Areas, Vol 2 (DCCB-ITZYRETC)*.

**message**

Reply identifier, message identifier, and text. The reply identifier and message identifier appear only on the first line of a multiple-line message.

## Messages Sent to Hard-Copy Log in JES3 System

Messages sent to the JESMSG hard-copy log in a JES3 system appear in the format:

`hh:mm:ss message`

Messages sent to the MLOG/DLOG hard-copy log in a JES3 system appear as follows:



```

MLG      90131 1734486 SY1 R= SYSLOG IEF196I IEF237I JES3 ALLOCATED TO SYSLOG02
MLG      90131 1734492 SY1 R= SYSLOG IEF196I IEF285I +MASTER+.SYSLOG.JOB00001.D000000A.?          SYSOUT
JES      CN3E1  90131 1734492 SY1 R= SYSLOG IEE043I A SYSTEM LOG DATA SET HAS BEEN QUEUED TO SYSOUT CLASS A
MLG      90131 1734492 SY1 R=          00000000 SY1          90131 17 34 49.36 SYSLOG 00000000 IEE042I SYSTEM LOG
MLG      90131 1734492 SY1 R=          DATA SET INITIALIZED
LOG      90131 1734501 IAT700I JOB SYSLOG (JOB00001) IS ON WRITER PRT002(002),RECORDS=1343
LOG      90131 1734517 IAT700I JOB SYSLOG (JOB00001) ON WRITER PRT002 (002), DSN=
LOG      90131 1734517 IAT700I +MASTER+.SYSLOG.JOB00001.D000000A.?, PURGED.
      CN3E1  90131 1735017 +E
      MASTER 90131 1735238 +I O
      MASTER 90131 1735239 IAT854I NAME ADDR LV ALT MAIN SWITCH DEPTH DEPDQ
      MASTER 90131 1735239 IAT854I CN3E1 (3E1) 15 CN310 SY1 050 00000
      MASTER 90131 1735239 IAT854I MASTER (3E0) 15 ----- TYPE=MCS ---
      MASTER 90131 1735239 IAT854I MCS15 (320) 15 ----- TYPE=MCS ---
      MASTER 90131 1735239 IAT854I MCS10 (321) 10 ----- TYPE=MCS ---
      MASTER 90131 1735239 IAT854I MCS05 (3DC) 05 ----- TYPE=MCS ---
      MASTER 90131 1735239 IAT854I MCS00 (3DD) 00 ----- TYPE=MCS ---
      MASTER 90131 1735239 IAT854I MCS302 (302) 15 ----- TYPE=MCS ---
      MASTER 90131 1735239 IAT854I MCS303 (303) 15 ----- TYPE=MCS ---
      MASTER 90131 1735240 IAT854I AUTOMCS ( ) 15 ----- TYPE=MCS ---
      MASTER 90131 1735240 IAT854I CN310 (310) 15 CN3E1 SY1 CN3E1 050 00000
      MASTER 90131 1735240 IAT854I CN311 (311) 15 CN3E1 SY1 CN3E1 050 00000
      MASTER 90131 1735240 IAT854I DUMMY ( ) 15 NONE NONE 032 00000
      MASTER 90131 1735506 +T SY2 D R,L
      MLG      90131 1735506 SY2 R= JES3 D R,L
      MASTER 90131 1735522 SY2 R= IEE112I 17.35.50 PENDING REQUESTS 427
      MASTER 90131 1735522 SY2 R= RM=0 IM=0 CEM=1 EM=0 RU=0 IR=0 AMRF
      MASTER 90131 1735522 SY2 R= ID R/K T SYSNAME JOB ID MESSAGE TEXT
      MASTER 90131 1735522 SY2 R= 2 C SY1 *IAT6360 CHECKPOINT DATA SET <CHKPNT2>
      MASTER 90131 1735522 SY2 R= UNAVAILABLE - CHKPNT2 DD NOT DEFINED.
      CN3E1  90131 1735590 +T SY1 D R,L
      CN3E1  90131 1735590 -D R,L
      CN3E1  90131 1736007 SY1 R= IEE112I 17.35.59 PENDING REQUESTS 603
      CN3E1  90131 1736007 SY1 R= RM=0 IM=0 CEM=2 EM=0 RU=0 IR=0 AMRF
      CN3E1  90131 1736007 SY1 R= ID R/K T SYSNAME JOB ID MESSAGE TEXT
      CN3E1  90131 1736007 SY1 R= 11 C SY1 JES3 *IAT5525 272 DUPLICATE VOLUME DETECTED, CAN
      CN3E1  90131 1736007 SY1 R= NOT MOVE VOLUME SPOOL1 ON SY2
      CN(15) 90131 1736049 +Z LOG NEXT COMMAND IS FROM A MCS-ONLY CONSOLE
      LOG      90131 1736050 IAT7150 CN(15) NEXT COMMAND IS FROM A MCS-ONLY CONSOLE
      CN(15) 90131 1736126 -D T
      CN(15) 90131 1736126 SY1 R= IEE136I LOCAL TIME=17.36.12 DATE=90.131 GMT TIME=21.36.12 DATE=90.131
      LOG      CN(101) 90131 1736353 +Z LOG NEXT COMMAND IS FROM AN EXTENDED MCS-ONLY CONSOLE
      LOG      90131 1736354 IAT7150 CN(101) NEXT COMMAND IS FROM AN EXTENDED MCS-ONLY CONSOLE
      CN(101) 90131 1736374 +I Q
      CN(101) 90131 1736374 IAT867I JOB SYSLOG (JOB00001) P=15 CL=A MAIN(EXECUTING-SY1)
      CN(101) 90131 1736374 IAT867I JOB VTAM220 (JOB00004) P=15 CL=A MAIN(EXECUTING-SY1)
      CN(101) 90131 1736374 IAT867I JOB TCAS (JOB00005) P=15 CL=A MAIN(EXECUTING-SY1)
      CN(101) 90131 1736374 IAT867I JOB SYSLOG (JOB00007) P=15 CL=A MAIN(EXECUTING-SY2)
      CN(101) 90131 1736374 IAT867I JOB SUPERU (JOB00009) P=15 CL=A MAIN(EXECUTING-SY1)

```

Messages sent to the MLOG/DLOG hard-copy log appear in the format:

```
dest console yyddd hhmmss[ia[prefix] message
```

## dest

JES3 destination class, which corresponds to the MVS routing code.

## console

JES3 console name or MVS console identifier, as follows:

**blank** For a message issued without a console identifier.

**nnnnnnnn** The JES3 console name (JNAME) from the JES3 initialization stream.

### CN(xx) or CN(xxx)

The MCS console identifier, where **xx** or **xxx** is the unit control module (UCM) identifier.

**INTERNAL** For a command generated by a problem program or operating system routine.

**INSTREAM** For a command read from the input stream.

**NETWORK** For a message issued to the network job entry (NJE) console.

**RMT-NS** For a message with a JES3 remote console identifier that is incorrect.

**UNKNOWN** For a message issued with extended MCS console identifier 255.

**NOTFOUND** For a message issued with a console identifier for which JES3 could not determine the destination.

#### **yyddd**

The Julian date, given as the year (00-99) and the day of the year (000-366).

**Note:** If HCFORMAT(CENTURY) is specified in the CONSOLxx parmlib member, the Julian date appears as *yyyyddd*.

#### **hhmmssst**

Time stamp, given as the hour (00-23), minute (00-59), second (00-59), and tenth of a second (0-9).

**i** Attention indicator for JES3 space constraints, as follows:

**blank** Normal output or no action required.

**#** The message is rerouted automatically or by a command from another console.

**%** Minimum space (track) situation (JSAM).

**=** Marginal space (track) situation (JSAM).

**<** Minimum buffer situation (JSAM).

**Note:** The above four symbols can be changed by a CONSTD statement in the JES3 initialization stream.

**a** Action prefix character, as follows:

**blank** Normal message.

**+** JES3 input command, issued on the global processor.

**-** MVS input command, issued on the global processor.

Operator action required.

#### **prefix**

**sysname R=jobname**

Optional prefix for messages issued outside the JES3 address space or on a local processor, as follows:

##### **sysname**

The name of the system where the issuing program is running. JES3 determines the name from the ID, RID, or SID parameters on the MAINPROC statement in the JES3 initialization stream.

##### **jobname**

The job name of the issuing program. It is all blanks for an system routine.

#### **message**

Reply identifier, message identifier, and text.

## **Messages Sent to the Job Log, to Other Data Sets, and to Display Terminals**

Messages sent to the job log, to other data sets, and to display terminals appear in the format designed by the program that issued them.

## **Truncated Data in Multi-line Messages**

When a message is being transported from one system to another in a sysplex, the system might encounter an unexpected error which prevents the entire message text from appearing. This can be caused by any of the following:

- The issuing system is stopped or quiesced.
- The issuing system fails to end a multi-line message.
- The issuing system has a persistent XCF buffer shortage.
- A disruption occurs in sysplex communication.

For any multi-line message, one of the following messages can appear within the message text, indicating such an error:

LOSS OF DATA - MESSAGE COMPLETION FORCED  
LOSS OF INTERMEDIATE MESSAGE DATA

If a program issues a multi-line WTO message but does not end the message by issuing an endline, the target console might stop receiving message traffic. The system will detect this condition and end the message automatically.

To end a multi-line WTO message when it detects that no data line or endline has been issued for the message after an interval of 30 seconds, the system issues the following endline:

MESSAGE TIMED OUT - MESSAGE COMPLETION FORCED

When this text appears in a multi-line message, perform the action which produced the message again, if necessary. If the text appears again, contact your system programmer, who should then contact the IBM Support Center.

When 100% WTO buffer utilization has been reached, as indicated in message IEA404A, a limit is imposed on the number of lines allowed in multi-line WTO messages. When the line limit is reached for multi-line WTO messages, the following is appended onto the multi-line message:

- MESSAGE TRUNCATED DURING WQE BUFFER SHORTAGE

---

## A Method for Finding Changes to MVS and TSO/E Message Texts

Automation routines are sensitive to changes to message text between releases. You can find changes to message texts in the following ways:

- The Summary of Changes of the related messages book can be helpful when you go from one release to the next.
- Data set SYS1.MSGENU contains data that can help you identify changes to message texts more accurately. This method allows you to find message text changes between your current release and whatever release you choose to migrate to. This method is described below.

## Using SYS1.MSGENU to Find Message Text Changes

IBM supplies a data set containing the text of system messages that are translated. This data set, called SYS1.MSGENU, contains the text of system messages in the form of message skeletons. (For more information, see *z/OS MVS Planning: Operations*.)

Note that this method will not show changes to:

- MVS system messages that are not translated, such as IPL and NIP messages (which are issued before the MVS message service is available)
- Other product messages that are not translated, such as DFSMS/MVS messages, and JES3 messages.
- For JES2 messages, use the appropriate SYS1.VnRnMn.SHASMENU data set.

Also, this method works better if the “old” copy of SYS1.VnRnMn.SHASMENU has the same level of service as the system from which you are migrating.

Once you have installed the OS/390 Release 4 or higher level of the data set you are comparing, you can compare the new data set with the data set on the system from which you are migrating. Depending on how you do the comparison, you can get output like the following.

For new messages, the output might show an I (for Insert) on the left:

```
I - IEA403I      VALUE OF RMAX HAS BEEN CHANGED TO 99
```

For messages whose text has changed, the output might show both an I and a D, indicating that a record in the message file has been replaced:

```
I - IEE162I 46  &NNN. ROLL &A. MESSAGES (DEL=R OR RD)
D - IEE162I 46  &NNN. ROLL &A. MESSAGES (DEL=R, RD)
```

This means that, in message IEE162I, (DEL=R, RD) was replaced by (DEL=R OR RD).

Using this information, you can decide if your automation routines need to be changed.

---

## Chapter 2. GOS Messages

---

**GOS0001**    **SOM/MVS SUBSYSTEM** *ssname*:  
PRODID=*productid* PRODLVL=*productlvl*  
COMPID=*compid* (C) COPYRIGHT IBM  
CORP. 1995, 1997 ALL RIGHTS  
RESERVED. U.S. GOVERNMENT  
USERS RESTRICTED RIGHTS - USE,  
DUPLICATION, OR DISCLOSURE  
RESTRICTED BY GSA ADP SCHEDULE  
CONTRACT WITH IBM CORP.

**Explanation:** This is a proprietary statement concerning the use of the SOMobjects product. The second line of the message indicates the product id, product level, and component id of the product.

In the message text:

*ssname*  
    is the name of the SOMobjects subsystem.

*productid*  
    The SOMobjects product id.

*productlvl*  
    The SOMobjects product level.

*compid*  
    The SOMobjects component id.

**System Action:** SOMobjects subsystem processing continues.

**Source:** SOM

---

**GOS0061**    **SOM/MVS SUBSYSTEM JOBNAME**  
*jobname* IS NOT VALID.

**Explanation:** The SOMobjects procedure name, which is used as the name of the subsystem, is not a valid 1-4 character name.

In the message text:

*jobname*  
    The name of the SOMobjects job or started procedure.

**System Action:** The SOMobjects address space ends.

**System Programmer Response:** Ensure that the SOMobjects job name/procedure name is a valid subsystem name (1-4 characters).

**Source:** SOM

---

**GOS0071**    **SOM/MVS** *ssname* INPUT COMMAND  
PREFIX IS NOT VALID. DEFAULT  
PREFIX USED.

**Explanation:** A command prefix value that was specified as input to the SOMobjects subsystem *ssname* is not valid. The prefix value is either greater

than 8 characters, begins with an invalid symbol, or contains an imbedded blank.

In the message text:

*ssname*  
    is the name of the SOMobjects subsystem.

**System Action:** SOMobjects subsystem initialization continues. The specified command prefix value is ignored and as a default, the subsystem name *ssname* is used as the command prefix.

**Operator Response:** If the default command prefix is unacceptable, enter a CANCEL command prefixed by the *ssname* to cancel the SOMobjects subsystem immediately. Then if the bad command prefix was entered by you as a parameter on the START command when you first started SOMobjects, re-enter the START command to restart the SOMobjects subsystem with a valid command prefix value.

If the bad command prefix was not specified by you on the START command, notify your system programmer.

**System Programmer Response:** If the bad command prefix was specified as a parameter in the job procedure that was used to start the SOMobjects subsystem, correct the command prefix parameter in the procedure so the next time the subsystem is started, the desired command prefix will be used.

**Source:** SOM

---

**GOS0081**    **SOM/MVS** *ssname* COMMAND PREFIX  
IS *cmdprefix*

**Explanation:** The command prefix that is being used by the SOMobjects subsystem *ssname* is *cmdprefix*. All commands entered for the subsystem should begin with this prefix.

In the message text:

*ssname*  
    The name of the SOMobjects subsystem.

*cmdprefix*  
    is a 1-8 character command prefix.

**System Action:** SOMobjects subsystem initialization continues.

**Operator Response:** Whenever you enter one of the commands supported by the SOMobjects subsystem, you must begin the command with the indicated command prefix (for example, *cmdprefix* STATUS).

**Source:** SOM

**GOS009I    SOM/MVS *ssname* INITIALIZATION COMPLETE.**

**Explanation:** The SOMobjects subsystem *ssname* has completed its initialization.

In the message text:

*ssname*  
is the name of the SOMobjects subsystem.

**System Action:** The SOMobjects subsystem continues processing. It is now ready to accept distributed SOM requests.

**Source:** SOM

**GOS010I    SOM/MVS *ssname* ENDED.**

**Explanation:** The SOMobjects subsystem *ssname* has completed shutting down.

In the message text:

*ssname*  
is the name of the SOMobjects subsystem.

**System Action:** The SOMobjects subsystem address space ends.

**Source:** SOM

**GOS011I    SOM/MVS *ssname* INITIALIZATION FAILED.**

**Explanation:** The SOMobjects subsystem *ssname* could not be successfully initialized. The specific initialization error is indicated by a SOMobjects error message or abend that was issued just prior to this message.

In the message text:

*ssname*  
is the name of the SOMobjects subsystem.

**System Action:** The SOMobjects subsystem ends.

**System Programmer Response:** Examine the SYSLOG to determine the error message or abend that caused initialization to fail and then correct the condition that caused the error.

**Source:** SOM

**GOS012I    SOM/MVS *ssname* ALREADY ACTIVE.**

**Explanation:** One instance of the SOMobjects subsystem *ssname* already exists. Starting more than one SOMobjects subsystem is not allowed.

In the message text:

*ssname*  
The name of the SOMobjects subsystem.

**System Action:** The SOMobjects subsystem that issued this message ends.

**Operator Response:** If you were restarting the SOMobjects subsystem after an error situation, ensure that the first instance of the subsystem ends before issuing the START command.

**Source:** SOM

**GOS013I    SOM/MVS *ssname* IS NOT A VALID SUBSYSTEM.**

**Explanation:** The SOMobjects subsystem *ssname* is not a defined subsystem name known by the system.

In the message text:

*ssname*  
The name of the SOMobjects subsystem.

**System Action:** The SOMobjects subsystem ends.

**System Programmer Response:** Ensure the SOMobjects subsystem name *ssname* is defined as a valid subsystem name in the IEFSSNxx SYS1.PARMLIB member that was used to IPL the system.

**Source:** SOM

**GOS019I    INITIALIZATION COMPLETE FOR SOM/MVS SERVER *server\_name* WITH ALIAS *alias\_name***

**Explanation:** A SOMobjects server has completed initialization. The ALIAS for this server is *aliasname*.

In the message text:

*server\_name*  
The name of the SOMobjects server, which is specified on DSOM server utility commands. For a description of those commands, see *OS/390 SOMobjects Configuration and Administration Guide*, GC28-1851.

*alias\_name*  
The alias of the SOMobjects server.

**System Action:** The SOMobjects server continues processing. It is ready to accept requests from distributed SOM clients.

**Source:** SOM

**GOS021I    SOM/MVS *ssname* SUBSYSTEM FUNCTIONS DISABLED.**

**Explanation:** In the process of ending either normally or abnormally, the SOMobjects subsystem *ssname* disabled the subsystem functions it normally provides for jobs that use Distributed SOM (DSOM) services via the SOMobjects subsystem.

In the message text:

*ssname*  
is the name of the SOMobjects subsystem.

**System Action:** The SOMobjects subsystem ends.



Distributed SOM requests will no longer be processed. Any usage of servers, clients, and DSOM utilities will be affected.

**Source:** SOM

---

**GOS022I      SOM/MVS *ssname* SUBSYSTEM  
FUNCTION DISABLEMENT FAILED.**

**Explanation:** In the process of ending either normally or abnormally, the SOMObjects subsystem *ssname* attempted to disable the subsystem functions it normally provides for jobs that use Distributed SOM (DSOM) services via the SOMObjects subsystem. However, a failure occurred that prevented the subsystem from completely disabling all the subsystem functions it supports.

In the message text:

*ssname*

The name of the SOMObjects subsystem.

**System Action:** The SOMObjects subsystem ends. Any jobs, managed by the subsystem shown in the message text, that try to use DSOM services might abnormally end.

**Source:** SOM

---

**GOS023I      SOM/MVS SUBSYSTEM *ssname*  
ALTERED TO USE THE PRIMARY  
SUBSYSTEM.**

**Explanation:** The SOMObjects subsystem is to be started only under the primary subsystem. The system issues this message if your installation specifies the SOMObjects subsystem initialization routine, GOSAMSSI, on the initialization statement for the SOMObjects subsystem in the IEFSSNxx parmlib member. The SOMObjects subsystem initialization routine will always force the specified SOMObjects subsystem is to be initialized under only the primary subsystem. This message is written to hardcopy only.

In the message text:

*ssname*

The name of the SOMObjects subsystem.

**System Action:** System initialization continues.

**Source:** SOM

---

**GOS024I      SOM/MVS *ssname cmdname* COMMAND  
ERROR -- SPECIFIED KEYWORD IS  
NOT VALID.**

**Explanation:** The command entered, *cmdname*, specified a keyword that is not supported.

In the message text:

*ssname*

The name of the SOMObjects subsystem.

*cmdname*

The name of the command that was entered.

**System Action:** The SOMObjects subsystem stops processing the command.

**Operator Response:** If the keyword was misspelled, enter the command again with the correct keyword specified. Otherwise, if the keyword should not have been specified, enter the command again without the unsupported keyword.

**Source:** SOM

---

**GOS025I      MVS/DSOM *ssname cmdname*  
COMMAND ERROR -- NOT  
AUTHORIZED TO ISSUE COMMAND.**

**Explanation:** The operator/console is not authorized to enter the command, *cmdname*.

In the message text:

*ssname*

The name of the SOMObjects subsystem.

*cmdname*

The name of the command that was entered.

**System Action:** The SOMObjects subsystem stops processing the command.

**Operator Response:** Contact your installation's security administrator to ensure both you and the console are properly authorized to enter the command that you were attempting.

**Source:** SOM

---

**GOS026I      MVS/DSOM *ssname* STOP INITIATED.**

**Explanation:** In response to a STOP command, the SOMObjects subsystem *ssname* has initiated stop processing.

In the message text:

*ssname*

The name of the SOMObjects subsystem.

**System Action:** The SOMObjects subsystem quiesces its processing and ends processing for servers that are in running. When all server activity ends, the SOMObjects subsystem ends normally.

**Source:** SOM

---

**GOS027I      *hh.mm.ss ssname* HELP INFO  
MVS/DSOM COMMAND SYNTAX: ...  
STOP DAEMON ... CANCEL DAEMON  
..... Not Supported**

**Explanation:** This message is a multiline message issued in response to the HELP command. It displays a summary of the syntax for the commands supported by the SOMObjects subsystem shown in the message text.

## GOS031I • GOS042I

In the message text:

*hh.mm.ss*

The time in hours (00-23), minutes (00-59), and seconds (00-59).

*ssname*

The name of the SOMobjects subsystem.

**System Action:** Processing continues.

**Source:** SOM

---

### GOS031I SOM/MVS *ssname* INITIALIZATION OF DAEMON SUBTASK FAILED.

**Explanation:** The SOMobjects subsystem *ssname* could not properly initialize the SOM subsystem subtask. More error information may be available from the SYSPRINT output, if available, or from the TRACE log, if available.

In the message text:

*ssname*

is the name of the SOMobjects subsystem.

**System Action:** The SOMobjects subsystem ends.

**Operator Response:** Contact the system programmer.

**System Programmer Response:** Examine the SYSLOG or the job's log or the SYSPRINT data set for the job to determine the error message or abend that caused initialization to fail. Analyze the TRACE log, if one was requested. Ensure that the correct data sets are specified for the GOSRTL1 DD. Correct the condition that caused the error.

**Source:** SOM

---

### GOS032I SYSDSOM COMPONENT TRACE FAILED. DIAG1: *nnnnnnnn xxxxxxxx*

**Explanation:** The SYSDSOM (SOMobjects) component tried to initialize component tracing using default options. The system is now running without component tracing for SYSDSOM.

In the message text:

*nnnnnnnn*

Used by IBM for problem determination.

*xxxxxxx*

Used by IBM for problem determination.

**System Action:** Initialization continues without component tracing for SYSDSOM. The system issues component trace messages (prefix ITT) explaining the problem.

**Operator Response:** See the operator response for the component trace messages (prefix ITT) accompanying this message.

**System Programmer Response:** See the system programmer response for component trace messages

(prefix ITT) accompanying this message.

**Source:** SOM

---

### GOS033I DSOM TRACE REQUEST FAILED. OPTIONS ARE NOT ALLOWED.

**Explanation:** The system rejected the request to trace the system object model (SOM). The TRACE command specified options, but options are not allowed.

**System Action:** The system rejects the request to trace SOM.

**Operator Response:** Enter the TRACE command again without specifying any options.

**Source:** SOM

---

### GOS041I SOM/MVS *ssname* WAITING FOR SERVERS TO END.

**Explanation:** In the process of ending either normally or abnormally, the SOMobjects subsystem *ssname* must wait for distributed SOM (DSOM) servers to end before the subsystem is ended.

In the message text:

*ssname*

The name of the SOMobjects subsystem.

**System Action:** The SOMobjects subsystem will wait for the servers to end. If the servers do not end, the SOMobjects subsystem stops waiting and finishes ending. After that time, servers may end abnormally.

**Source:** SOM

---

### GOS042I SOM/MVS *ssname* WAITING FOR OMVS TO START.

**Explanation:** In the process of initialization, the SOMobjects subsystem *ssname* must wait for the z/OS UNIX address space to initialize before completing subsystem initialization.

In the message text:

*ssname*

The name of the SOMobjects subsystem.

**System Action:** The SOMobjects subsystem waits for the OMVS address space to initialize.

**Source:** SOM



---

## Chapter 3. GPM Messages

---

### GPM001I PM OF OS/390 DATA SERVER ACTIVE

**Explanation:** The PM of OS/390 data server has been initialized and is ready to receive connection requests from PWS clients.

**System Action:** Processing continues.

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

---

### GPM002I PM OF OS/390 DATA SERVER TERMINATED

**Explanation:** The PM of OS/390 data server has ended.

**System Action:** System processing continues.

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

---

### GPM003I PM OF OS/390 IDLE TIME EXCEEDED

**Explanation:** The time specified by the MAXIDLE parameter for the PM of OS/390 data server has elapsed without any transaction requests.

**System Action:** The PM of OS/390 data server ends processing.

**Operator Response:** Restart the PM of OS/390 data server.

**System Programmer Response:** If needed, specify a longer period for the MAXIDLE parameter.

---

### GPM004E LIBRARY IS NOT IN APF TABLE

**Explanation:** The PM of OS/390 data server resides in a load library without APF authorization.

**System Action:** The PM of OS/390 data server ends processing.

**System Programmer Response:** Ensure that the PM of OS/390 load library is APF authorized.

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

---

### GPM005E INVALID COMMAND FOR PM OF OS/390

**Explanation:** An unsupported MODIFY command has been entered for the PM of OS/390 data server.

**System Action:** Processing continues.

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

---

### GPM006E TCP/IP PORT NUMBER NOT SPECIFIED

**Explanation:** The PM of OS/390 data server has been started without a valid TCP/IP port parameter.

**System Action:** The PM of OS/390 data server ends processing.

**Operator Response:** Specify a valid TCP/IP port number with the START command of the PM of OS/390 data server.

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

---

### GPM050I GPMSERVE CANNOT FIND MEMBER *member* IN PARMLIB

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** The DDS host server address space cannot find the specified PARMLIB member. It continues processing and uses defaults parameters.

**System Action:** The host server continues the initialization using default parameters.

**Operator Response:** Inform the system programmer.

**System Programmer Response:** Make sure that a valid GPMSRVxx PARMLIB member exists in the parameter library (usually the PARMLIB concatenation).

---

### GPM051I TCP/IP IS NOT ACTIVE ON THE OS/390 HOST

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** The TCP/IP component of OS/390 is not active on the OS/390 host. The GPMSERVE address space has detected that TCP/IP services are not available.

**System Action:** The host server terminates.

**Operator Response:** Inform the system programmer.

**System Programmer Response:** Make sure that the TCP/IP component of OS/390 is active before the DDS host server is started.

---

### GPM052I TRACE IS NOW (IN)ACTIVE

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** This message is issued in response to the MODIFY command for the GPMSERVE address space with the TRACEON or TRACEOFF option.

## GPM054I • GPM060I

**System Action:** If the trace is active, GPMSERVE will put its trace output to DDNAME SYSOUT. If the trace is inactive, GPMSERVE will no longer write trace output to DDNAME SYSOUT.

---

### GPM054I PERMANENT ERROR IN PM OF OS/390 SERVER THREAD

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** The DDS host server has detected that an important component of the server address space has encountered a permanent error. In this case, the component that accepts incoming TCP/IP session requests has abnormally terminated. The most probable cause for this problem is, that TCP/IP is inactive or has produced an error.

**System Action:** The component is restarted. After 5 unsuccessful requests, the component is deactivated.

**System Programmer Response:** Make sure that all required prerequisites for the component are active and operational (for example, TCP/IP). Make sure that the specified port in the GPMSRVxx PARMLIB member (SESSION\_PORT option) is free and can be used by the DDS host server.

---

### GPM055I SESSION WITH *partner* ABNORMALLY TERMINATED

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** A session with the specified partner has been terminated because of a timeout or an error condition. The specified partner may be specified as

- An IP address such as "9.164.181.128"
- A symbolic host name such as "smith.boeblingen.ibm.com"
- A unix path name such as "/tmp/GPMserve.C00"

**System Action:** The session is terminated immediately.

**System Programmer Response:** Make sure that all required prerequisites for the component are active and operational (for example, TCP/IP). Make sure that the timeout option in the GPMSRVxx PARMLIB member (TIMEOUT option) is set properly, and that the DDS host server is active.

---

### GPM056I SYNTAX ERROR IN GPMSRVNN MEMBER. LINE: // NEAR TEXT 'tttttt'

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** A syntax error was detected in the GPMSRVxx member. The error was detected in the line that is indicated in the message, and the string indicates the erroneous text.

**System Action:** The server is terminated immediately.

**System Programmer Response:** Correct the erroneous option member.

---

### GPM057I SPECIFIED HOSTNAME '*hostname*' CANNOT BE RESOLVED

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** The ACCEPT\_DATAGRAM parameter in the GPMSRVxx member contains a hostname, that can not be resolved by the name server.

**System Action:** The indicated hostname is discarded.

**System Programmer Response:** Correct the erroneous option member.

---

### GPM058I I/O ERROR READING PARMLIB MEMBER *name*

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** The DDS host server address space detected an I/O error reading the specified PARMLIB member. It continues processing and uses default parameters.

**System Action:** The server is terminated immediately.

**Operator Response:** Inform the system programmer.

**System Programmer Response:** Make sure that a valid GPMSRVxx PARMLIB member exists in the parameter library (usually the PARMLIB concatenation).

---

### GPM059I COMMAND '*cccc*' IS NOT VALID

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** The MODIFY command that was issued against the DDS data server is not a valid command.

**System Action:** The command is ignored.

**User Response:** Specify a valid command.

---

### GPM060I DDS SERVER READY FOR COMMANDS

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** The DDS server is now accepting commands from the console.

**User Response:** None.

---

**GPM061I**    **OPTIONS IN EFFECT:** *options*

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** This message lists the currently active options for the DDS server.

**User Response:** None.

---

**GPM062I**    *component last\_status*

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** This message displays the status of an active component of the DDS server. The component may be:

<b>RMF-REFR</b>	The automatic data refresher
<b>DM-SERV</b>	The datagram server
<b>INET-LIS</b>	Task that listens for incoming TCP/IP requests
<b>CMD-HNDL</b>	MODIFY command handler
<b>INET-CLI</b>	TCP/IP client
<b>UNIX-CLI</b>	UNIX client
<b>HTTP-LIS</b>	The task that listens for incoming HTTP requests
<b>HTTP-CLI</b>	The HTTP session client

**System Action:** None

**User Response:** None

---

**GPM063I**    **PERMANENT ERROR IN DM/390  
SERVER THREAD**

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** The DDS host server has detected that an important component of the server address space has encountered a permanent error. In this case, the component that processes incoming performance request datagrams has abnormally terminated. The most probable cause for this problem is, that TCP/IP is inactive or has produced an error.

**System Action:** The component is restarted. After 5 unsuccessful requests, the component is deactivated.

**System Programmer Response:** Make sure that all required prerequisites for the component are active and operational (for example, TCP/IP). Make sure that the specified port in the GPMSRVxx PARMLIB member (DATAGRAM\_PORT option) is free and can be used by the DDS host server.

---

**GPM064I**    **PERMANENT ERROR IN UNIX  
SESSION SERVER**

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** The DDS host server has detected that an important component of the server address space has encountered a permanent error. In this case, the component that accepts incoming session requests via UNIX domain sockets (for example, PM of OS/390 APPC clients) has abnormally terminated.

**System Action:** The component is restarted. After 5 unsuccessful requests, the component is deactivated.

**System Programmer Response:** Make sure that all required prerequisites for the component are active and operational (mainly z/OS UNIX System Services).

Make sure that the pathname  
/tmp/gpmserve/pmos390

is free and can be used by the DDS server.

If more than one instance of the DDS host server is started, this message will appear for all instances but the first one, because the UNIX socket pathname cannot be shared by different servers. In this case, always the first server will handle incoming UNIX session requests.

This message might be caused by using the old OS/2 version of PM of OS/390 which is not supported anymore. Please, insure that only the Java Edition of PM of OS/390 will be used.

---

**GPM065I**    **SERVER NOT STARTED FROM AN  
AUTHORIZED LIBRARY**

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** The DDS host server has not been started from an APF-authorized library, but APF authorization is necessary for the GPMDDSRV host server module.

**System Action:** The host server is terminated.

**System Programmer Response:** Make sure that the library, where the GPMDDSRV module resides (usually SYS1.SERBLINK) is APF-authorized.

---

**GPM066I**    **DDS SERVER TERMINATED**

**Source:** Resource Measurement Facility (RMF) - Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** The DDS host server has terminated.

**System Action:** None

**System Programmer Response:** None

---

## GPM067I • GPM069I

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### GPM067I    VALUE 'xxxx' IS NOT ALLOWED FOR               OPTION yyyy

**Source:** Resource Measurement Facility (RMF) -  
Performance Monitoring of OS/390 (PM of OS/390)

**Explanation:** The specified option value is not allowed  
or outside the allowed range for the option.

**System Action:** The server is terminated immediately.

**System Programmer Response:** Correct the  
erroneous option member.

---

### GPM069I    SEVERE ERROR: ALLOCATION FAILED               FOR CACHE STORAGE

**Explanation:** The server has detected a problem  
when trying to allocate additional storage for the data  
cache. The most probable cause for this problem is,  
that the REGION size is too small.

**System Action:** The server is terminated with a fatal  
error.

**System Programmer Response:**

- Increase the REGION parameter on the JOB or  
EXEC record.
- Make sure that the requested region size is really  
available to the server program (check that the  
system exit IEFUSI does not reduce the requested  
region size).
- Reduce the number of cache slots in the PARMLIB  
member GPMSRVxx (CACHESLOTS option). The  
default number of slots is 4.

**Source:** Resource Measurement Facility (RMF) -  
Performance Monitoring of OS/390 (PM of OS/390)

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## Chapter 4. IAR Messages

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### IAR002A 'REAL = xxxx' IS TOO LARGE, MAXIMUM AVAILABLE IS yyyy. RESPECIFY OR PRESS ENTER FOR THE DEFAULT

**Explanation:** The system cannot allocate the requested V=R area because it would overlap the virtual storage allocated for the common service area (CSA).

In the message text:

xxxx The kilobytes of central (real) storage specified.  
yyyy The maximum kilobytes of central storage allowed.

**System Action:** The system waits for the operator to reply.

**Operator Response:** Reenter the parameter with a value equal to or less than yyyy or press ENTER to get the default. The default value for the REAL parameter is the smaller of the following two values:

- 76 kilobytes
- The amount of storage available for a V=R area that does not overlap the CSA

**Source:** Real storage manager (RSM)

**Detecting Module:** IARMS, IAXMS

---

### IAR003W AN INVALID SEGMENT TABLE ENTRY WAS FOUND FOR THE area AREA

**Explanation:** During system initialization, the real storage manager (RSM) attempted to page protect an area. RSM found an incorrect segment table entry (SGTE) for this area.

In the message text, *area* identifies the area to be page protected and is one of the following:

MLPAModified link pack area  
EXTENDED MLPA  
READ-ONLY NUCLEUS  
NUCMAPNucleus map  
PLPAPageable link pack area  
EXTENDED PLPA  
BLDLBuild directory entry list  
FLPAFixed link pack area  
EXTENDED FLPA

**System Action:** The system enters wait state X'A21'.

**Operator Response:** See the operator response for wait state code X'A21'.

**System Programmer Response:** See the system programmer response for wait state code X'A21'.

**Source:** Real storage manager (RSM)

**Detecting Module:** IARMN, IAXMN

---

### IAR004I THE RSU PARAMETER WAS NOT COMPLETELY SATISFIED

**Explanation:** During system initialization, the real storage manager (RSM) found that system storage requirements and the REAL parameter have not left enough central storage to satisfy the reconfiguration storage units (RSU) parameter. The REAL and RSU parameters are in the IEASYSxx parmlib member.

**System Action:** The system makes available as many storage units as possible for reconfiguration, but the RSU parameter is not completely satisfied.

**Operator Response:** Enter a Display M command to determine which storage units are available for reconfiguration. Notify the system programmer.

**System Programmer Response:** Change the parameters in IEASYSxx before the next IPL.

**Source:** Real storage manager (RSM)

**Detecting Module:** IARMT, IAXMT

---

### IAR005E PREFERRED AREA HAS EXPANDED, RECONFIGURABILITY AND PERFORMANCE MAY BE IMPAIRED. CHECK RSU VALUE.

**Explanation:** The real storage manager (RSM) converted one or more nonpreferred frames to preferred frames. The system may no longer be able to reconfigure all or part of the storage in the nonpreferred area. If this expansion involves frames below 16 megabytes, the system can page fix these frames, which might lead to performance problems.

**System Action:** The system can use the newly designated frames as preferred storage for additional long term resident pages.

**Operator Response:** Enter a Display M command to determine the number of frames remaining in the nonpreferred area.

**System Programmer Response:** Check that the reconfigurable storage unit (RSU) value specified in the IEASYSxx parmlib member is appropriate for your installation. See *z/OS MVS Initialization and Tuning Reference* for more information about the IEASYSxx parmlib member.

**Source:** Real storage manager (RSM)

**Detecting Module:** IARUC, IAXUC



**IAR006A    INVALID {VRREGN|REAL|RSU} PARM -  
RESPECIFY OR PRESS ENTER FOR  
THE DEFAULT**

**Explanation:** The VRREGN, REAL, or RSU parameter contains a value that is not valid.

**System Action:** The system waits for the operator to reply.

**Operator Response:** Reenter the VRREGN, REAL, or RSU parameter with a valid value.

**Source:** Real storage manager (RSM)

**Detecting Module:** IARMU, IARMS, IARMT, IAXMU, IAXMS, IAXMT

**IAR007I    RSM COMPONENT TRACE DATA  
SPACE IS NAMED "SYSIARnn".**

**Explanation:** The operator started the real storage manager (RSM) component trace using the TRACE CT operator command and requested that RSM use a data space for its trace buffers.

If the TRACE command specified NODMPOFF but not DMPREC, the system does not dump these buffers. The operator has to request a dump.

In the message text:

**SYSIARnn**

The name and number of the data space.

**System Action:** The system starts the RSM component trace. RSM uses data space SYSIARnn to contain the trace data.

**Operator Response:** Use the data space name in this message to obtain the RSM trace buffers in an SVC dump requested by a DUMP command or in a stand-alone dump. However, to obtain the dump when the RSM trace is turned off or through the use of the DMPREC option, the data space name is unnecessary.

**Source:** Real storage manager (RSM)

**Detecting Module:** IARQC

**IAR008E    RSM TRACE TERMINATED, *text***

**Explanation:** The operator attempted to start the real storage manager (RSM) component trace using the TRACE CT operator command. RSM did not start the trace.

In the message text, *text* tells why RSM did not start the trace, as follows:

ENVIRONMENTAL ERROR.  
INSUFFICIENT STORAGE FOR TRACE BUFFERS.  
INSUFFICIENT STORAGE FOR TRACE  
INITIALIZATION.  
INVALID PARAMETER SPECIFIED FOR BUFF=  
OPTION.

PREVIOUS INVOCATION TERMINATION HAS NOT COMPLETED.

THE RSM TRACE DATA SPACE COULD NOT BE CREATED.

TOTAL SIZE OF BUFFERS EXCEEDS TRACE DATA SPACE SIZE.

UNIDENTIFIED OPTION.

**System Action:** The system does not start the RSM component trace.

**Operator Response:** Depending on the value of *text*, do one of the following:

**INVALID PARAMETER SPECIFIED FOR BUFF=  
OPTION or UNIDENTIFIED OPTION**

One of the options is incorrect. Correct the error. Reenter the TRACE command.

**PREVIOUS INVOCATION TERMINATION HAS NOT  
COMPLETED**

Wait a few minutes and reenter the TRACE command. If the error occurs again, contact the IBM Support Center.

**System Programmer Response:** Depending on the value of *text*, do one of the following:

**ENVIRONMENTAL ERROR or THE RSM TRACE  
DATA SPACE COULD NOT BE CREATED**

An unexpected error occurred during trace initialization. Contact the IBM Support Center.

**INSUFFICIENT STORAGE FOR TRACE BUFFERS**

There is not enough fixed common service area (CSA) storage for trace buffers. First, ensure that the size specified on the BUFF option is correct. If the BUFF option was specified correctly, then either reduce the amount specified or increase the amount of CSA available to the system.

**INSUFFICIENT STORAGE FOR TRACE  
INITIALIZATION**

There is not enough system queue area (SQA) virtual or central storage available for trace initialization; a request failed for a relatively small amount of SQA storage. Increase the size of SQA virtual or central storage.

**TOTAL SIZE OF BUFFERS EXCEEDS TRACE DATA  
SPACE SIZE**

The size of the trace buffers that reside in fixed CSA storage is larger than the size of the trace data space. The size of the fixed trace buffers must be smaller than the data space size so they can be copied to the data space. Respecify the size of the fixed buffers and the size of the trace data space.

**Source:** Real storage manager (RSM)

**Detecting Module:** IARQC

---

**IAR009I      RSM COMPONENT TRACE HAS LOST AN ENTRY BECAUSE ALL BUFFERS WERE FULL.**

**Explanation:** The operator started the real storage manager (RSM) component trace and requested that a trace data space be used to contain the trace data. RSM lost some of the trace entries because it was creating trace entries faster than it could copy them from central storage to the trace data space.

**System Action:** The RSM component trace continues. Trace entries continue to be lost until RSM finishes copying the trace buffers to the data space. RSM then re-uses the buffers for newer trace entries.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** If the RSM trace successfully captured enough data to diagnose the problem, the message indicates no problem. When the trace is turned off, examine the trace entries in the dump. The trace data gives the number of entries lost.

If the trace did not capture enough data to diagnose the problem, re-create the problem and ask the operator to start the trace again and either:

- Increase the size of the central storage trace buffers, using the BUFF option
- Decrease the need for buffers by specifying fewer RSM trace functions and events

**Source:** Real storage manager (RSM)

**Detecting Module:** IARQZ, IAXQZ

---

**IAR010I      RSM COMPONENT TRACE HAS WRAPPED AN ALREADY FULL BUFFER.**

**Explanation:** The operator started the real storage manager (RSM) component trace and requested that the trace data be collected in central storage buffers. RSM overlaid some older trace entries with newer trace entries when the central storage buffers filled up.

**System Action:** The RSM component trace continues. Newer trace entries continue to overlay older trace entries.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** This message almost always appears when the RSM component trace is being used without a trace data space. It usually does not indicate a problem. When the trace is turned off, examine the trace entries in the dump. If the trace did not capture enough data to diagnose the problem, re-create the problem and ask the operator to start the trace again and either:

- Increase the size of the central storage trace buffers
- Use a trace data space

**Source:** Real storage manager (RSM)

---

**Detecting Module:** IARQZ, IAXQZ

---

**IAR011I      RSM COMPONENT TRACE EXTERNAL WRITER MAY HAVE LOST ENTRIES**

**Explanation:** The operator started the real storage manager (RSM) component trace and requested that the system write the trace entries to a trace data set through the external writer. The system could not write the trace entries to the data set for one of the following reasons:

- The operator did not start the external writer before connecting the RSM component trace to the external writer.
- RSM reused the full trace buffer before the system could write the trace entries out to the trace data set. Some older trace entries have been lost.

**System Action:** The system continues processing the RSM component trace.

**System Programmer Response:** Do one of the following:

- If you did not start the external writer, start it before connecting the RSM component trace to the external writer,
- Use IPCS to examine the trace entries that the system collected. If the trace did not collect enough data to successfully diagnose the problem, start the trace again and either:
  - Use more trace buffers.
  - Increase the size of the trace buffers.

**Source:** Real storage manager (RSM)

**Detecting Module:** IARQZ, IAXQZ

---

**IAR011W      A PAGE WITHIN FLPA IS NOT PAGE FIXED.**

**Explanation:** The real storage manager (RSM) detected pageable storage within the range of the fixed link pack area (FLPA) or the EXTENDED FLPA.

**System Action:** The system enters wait state X'A20'.

**Operator Response:** See the operator response for wait state X'A20'.

**System Programmer Response:** See the system programmer response for wait state X'A20'.

**Source:** Real storage manager (RSM)

**Detecting Module:** IARMN, IAXMN

---

**IAR012W      A PAGE WITHIN PLPA OR MLPA HAS NO COPY ON AUXILIARY STORAGE**

**Explanation:** The real storage manager (RSM) detected a page within the range of the pageable link pack area (PLPA), EXTENDED PLPA, the modified link pack area (MLPA), or the EXTENDED MLPA that has never been paged to auxiliary storage. Ranges of

## IAR013I • IAR016I

system storage that are page protected must have a copy on auxiliary storage so the system can refresh the page if necessary.

**System Action:** The system enters wait state X'A2A'.

**Operator Response:** See the operator response for wait state X'A2A'.

**System Programmer Response:** See the system programmer response for wait state X'A2A'.

**Source:** Real storage manager (RSM)

**Detecting Module:** IARMN, IAXMN

---

### IAR013I      xxxxxxM STORAGE IS RECONFIGURABLE

**Explanation:** The indicated amount of storage, xxxxxxM, has been made reconfigurable in response to the value specified in the RSU parameter.

**System Action:** The system continues processing.

**Operator Response:** None.

**System Programmer Response:** None.

**Source:** Real storage manager (RSM)

**Detecting Module:** IARMT, IAXMT

---

### IAR014I      MORE CENTRAL STORAGE IS AVAILABLE TO THE SYSTEM THAN SUPPORTED. THE MAX OF 128G OF STORAGE WILL BE USED.

**Explanation:** The operating system supports a maximum of 128 gigabytes of central storage, but more than that is available in the current hardware configuration. The additional storage will not be used.

**System Action:** The system continues processing. However, the excess storage is not used.

**Operator Response:** None.

**System Programmer Response:** None.

**Source:** Real storage manager (RSM)

**Detecting Module:** IAXMN

---

### IAR015I      THE SYSTEM WAS IPLED IN ESA/390 MODE WITH MORE THAN 2 GIGABYTES OF CENTRAL STORAGE.

**Explanation:** In ESA/390 mode, the system supports a maximum of 2 gigabytes of central storage, but more than that is available in the current hardware configuration. The additional storage will not be used.

**System Action:** The ability to reconfigure storage has been disabled. Any excess storage is not used. The system continues processing.

**Operator Response:** None. However, to take full advantage of the storage available in the configuration,

the additional storage should be configured as expanded storage and the system re-IPLed.

**System Programmer Response:** None.

**Source:** Real storage manager (RSM)

**Detecting Module:** IARMI

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### IAR016I      THE SYSTEM WAS IPLED IN ESAME MODE WITH EXPANDED STORAGE DEFINED. THIS STORAGE WILL NOT BE USED BY THE SYSTEM

**Explanation:** In z/Architecture mode, the system does not support expanded storage. However, the storage may be defined as central storage and made available to the system for use.

**System Action:** The system continues processing. However, the expanded storage is not used.

**Operator Response:** None. However, to take full advantage of the storage available in the configuration, the expanded storage should be configured as central storage and the system re-IPLed.

**System Programmer Response:** None.

**Source:** Real storage manager (RSM)

**Detecting Module:** IAXMN



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## Chapter 5. ICP Messages

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**ICP050D**      **SHOULD** *jobname* **WRITE TO LEVEL**  
*xxx* **IOCDS? REPLY 'YES', 'NO', OR**  
**'CANCEL'**

**Explanation:** A job processed the input/output configuration program (IOCP) with a WRTCDs option other than NO on the PARM parameter of an EXEC statement.

In the message text:

*jobname*

The jobname.

*xxx*      The specified level.

**System Action:** IOCP issues this message to request permission from the system operator for the job to write to the specified level input/output configuration data set (IOCDS) in the processor controller. If two or more jobs are allowed to update concurrently the specified level IOCDS, the outcome could be an IOCDS that is logically inconsistent with the input from any one job. Using this IOCDS at power-on reset or SYSIML CLEAR could produce undesirable results.

**Operator Response:** A reply of 'YES' allows the job to continue processing and, if no errors are encountered, to replace the input/output configuration data in the specified level IOCDS in the processor controller with the input/output configuration data generated by this job. Use the IOCDSM frame to ensure the level IOCDS is not write-protected.

A reply of 'NO' allows the job to continue generating input/output configuration data in storage and to produce reports, but does not permit the job to replace the input/output configuration data in the level IOCDS in the processor controller.

A reply of 'CANCEL' ends the job immediately with system completion code X'222'.

**Source:** Input/output configuration program (IOCP)

**Detecting Module:** ICPPCNTL

---

**ICP056I**      **IOCP JOB** *jobname* **FAILED. DID NOT**  
**BUILD LEVEL** *xxx* **IOCDS.**

**Explanation:** A job processed the input/output configuration program (IOCP) with the WRTCDs= option on the PARM parameter of an EXEC statement.

In the message text:

*jobname*

The jobname.

*xxx*      The specified level.

**System Action:** IOCP abnormally ends the job with return code 8. IOCP issues this message to inform the system operator, who had previously responded to

message ICP050D, that this job failed to build the level indicated input/output configuration data set (IOCDS).

**Operator Response:** Notify the system programmer that the job failed.

**System Programmer Response:** Review the messages on the job listing, and take the necessary actions.

**Source:** Input/output configuration program (IOCP)

**Detecting Module:** ICPPCNTL

---

**ICP057I**      **IOCP JOB** *jobname* **SUCCESSFUL.**  
**LEVEL** *xxx* **IOCDS REPLACED.**

**Explanation:** A job was processing the input/output configuration program (IOCP) with the WRTCDs= option on the PARM parameter of an EXEC statement.

In the message text:

*jobname*

The jobname.

*xxx*      The specified level.

**System Action:** IOCP abnormally ends the job with a return code of 4. IOCP issues this message to inform the system operator, who had previously granted permission to write the IOCDS in response to message ICP050D, that this job successfully replaced the level indicated input/output configuration data set (IOCDS).

**Operator Response:** Follow the installation procedures.

**Source:** Input/output configuration program (IOCP)

**Detecting Module:** ICPPCNTL



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## Chapter 6. ICT Messages

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### ICT010I      CRYPTOGRAPHY SYSTEM MASTER KEY HAS BEEN SET

**Explanation:** The key generator utility program has successfully set the host master key. If there are any control statements requesting updates to the secondary key-encrypting keys, these statements are processed at this time.

**Note:** The security administrator must ensure that an authorized person was running the key generator utility program. More information about the requester is recorded in SMF record type 82.

**System Action:** Key generator utility processing continues.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT011I      CRYPTOGRAPHY KEY UPDATE STARTED

**Explanation:** The key generator utility program, has successfully updated the cryptographic key data set (CKDS) to reflect a new, changed, or deleted secondary key-encrypting key. This message is issued only for the first update to the CKDS for a secondary key-encrypting key although the job may contain several update requests.

**Note:** The security administrator must ensure that an authorized person was running the key generator utility program. More information about the requester is recorded in SMF record type 82.

**System Action:** Key generator utility processing continues.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT012I      ERROR IN EXECUTING KEY GENERATOR UTILITY

**Explanation:** The key generator utility program did not complete successfully. A message identifying the nature of the problem is routed to the data set defined by the SYSPRINT DD statement.

**Note:** The security administrator must ensure that an authorized person was running the key generator utility program. More information about the requester is recorded in SMF record type 82.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Respond to the problem identified by the message appearing in the data set defined by the SYSPRINT DD statement.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT020I      synad message from VSAM while processing CKDS

**Explanation:** A physical I/O error occurred while the key manager was attempting to read the cryptographic key data set (CKDS).

**Operator Response:** Notify the system programmer.

**System Programmer Response:** See the explanation of the accompanying VSAM physical I/O error message. If the volume caused the error, use a backup copy of the CKDS on a different volume. (If you do not want to re-IPL the system, be ensure that the new copy of the CKDS uses the same host master key as the old copy.) If the device caused the error, move the volume containing the CKDS to an alternate device. To change the volume or device, stop the Programmed Cryptographic Facility (via IPL or an operator STOP command) and restart it (via an operator START command), specifying an alternate data set name on the START command, if required. Rerun the job.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT021I      VIOLATION ON RETKEY BY *text text* is USER (*userid*) GROUP (*groupid*) JOB (*jjj*) STEP (*sss*)

**Explanation:** An unauthorized program has issued the RETKEY SVC requesting that a data-encrypting key enciphered under a cross key be enciphered again under the host master key. The RACF (Resource Access Control Facility) user (*userid*) and group name (*groupid*) are given if they are available. Otherwise, the job name (*jjj*) and step name (*sss*) are supplied. The REMKEY field in SMF record type 82 contains the label of the cross key.

**Note:** The security administrator must determine if an attempted security violation occurred. Follow the security procedures established by your installation.

**System Action:** Key manager processing ends.

**Operator Response:** Notify the security administrator.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT022I      *xxx* ABEND DURING [GENKEY | RETKEY ] PROCESSING

**Explanation:** An error occurred during processing of either the GENKEY or RETKEY function of the key manager. In the message, *xxx* indicates the system completion code.

## ICT023I • ICT030I

**System Action:** Key manager processing ends.

**Operator Response:** Notify the system programmer.

**Application Programmer Response:** Notify the system programmer.

**System Programmer Response:** Respond to the problem identified by the system completion code.

To ensure that a dump is produced for this problem, run the job again with a SYSABEND DD statement.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT023I      KEY *label* HAS INCORRECT PARITY

**Explanation:** The key-encrypting key identified by *label* has been read from the cryptographic key data set (CKDS) by the key manager and the key manager has determined that the clear form of the key has bad parity.

This situation can occur if there is a problem with the CKDS. It can also occur when the CKDS used to initialize the host master key in storage has been replaced by a CKDS that contains a different host master key but storage was not reinitialized. Storage is initialized the first time you start the Programmed Cryptographic Facility or run the key generator utility program after an IPL. It is reinitialized when the key generator utility program is used to change the host master key (CHGM function).

**System Action:** Key manager processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** If the CKDS was replaced, compare the two output listings produced by running the key generator utility program: one when setting the host master key in the CKDS that is currently on the system and the other when setting the host master key in the CKDS that was used to initialize storage.

If the listings indicate that the host master key values are not the same, do one of the following:

- Replace the CKDS on the system with a CKDS that contains the same host master key as the one in storage. To replace the data set, stop the Programmed Cryptographic Facility and restart it with an operator START command that specifies the name of the CKDS that contains the correct value for the host master key. Rerun the job that failed.
- Reinitialize storage so that the value of the host master key in storage matches the value in the CKDS currently on the system. To reinitialize storage, you can re-IPL the system and restart the Programmed Cryptographic Facility with an operator START command that specifies the name of the CKDS currently on the system. Or, you can reinitialize storage with the key generator utility program, using the CHGM function and specifying a host master key value that matches the value on the current CKDS. To run the key generator utility

program, stop the Programmed Cryptographic Facility, run the utility when there are no cryptographic sessions or jobs running on the system, and restart the facility. Rerun the job that failed.

If host master keys are identical, or if the CKDS was not replaced, use a backup copy of the CKDS. Stop the Programmed Cryptographic Facility and restart it specifying the name of the backup CKDS in the START command. Do not use the original data set again. Rerun the job that failed.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT024I      UNEXPECTED VSAM ERROR CODE *rc* [FDBK *code*]

**Explanation:** An error occurred when the key manager attempted to read the cryptographic key data set (CKDS). In the message, *rc* is the return code that identifies the error. If *rc* identifies a logical error, then FDBK *code* indicates the specific logical error that has occurred. For an explanation of the return code and feedback code, see the description of the VSAM macro.

**System Action:** Key manager processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** See the explanation of the accompanying VSAM physical I/O error message. Correct the problem and rerun the job.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT030I      CRYPTOGRAPHY INITIALIZATION UNABLE TO LOCATE *name* in LPA

**Explanation:** The Programmed Cryptographic Facility installation process invoked by the operator START command or the key generator utility program was unable to locate the routine specified by *name* in a search of the active link pack area queue and the link pack area directory.

**System Action:** Programmed Cryptographic Facility initialization processing ends.

**Operator Response:** Notify the system programmer.

**Application Programmer Response:** Determine if the GENKEY or RETKEY installation exit routine (module ICTMGR90 or ICTMGR95) is properly link edited into SYS1.LPALIB. If the module has been replaced since the Programmed Cryptographic Facility was installed, check the linkage editor output from the most recent change. If it has not been replaced, check the output of the install process (SMP or SYSGEN) to see that the module was properly installed. Correct the problem and reissue the operator START command or rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

---

**ICT031I      INVALID CRYPTOGRAPHY USER SVC  
NUMBER SPECIFIED**

**Explanation:** The Programmed Cryptographic Facility initialization process invoked by the operator START command or the key generator utility program has determined that the options module, ICTOPTNS, contains a user SVC number that is not valid.

**System Action:** Programmed Cryptographic Facility initialization processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Update the installation options module, ICTOPTNS, to reflect a valid user SVC number in the range of 200 through 255. See the Programmed Cryptographic Facility Program Directory for information on how to modify the options module. When the update is complete, reissue the operator START command or rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

---

**ICT032I      CRYPTOGRAPHY INITIALIZATION  
UNABLE TO OPEN *ddname***

**Explanation:** The Programmed Cryptographic Facility initialization process invoked by the operator START command or the key generator utility program was unable to open the data set identified by *ddname*. For a VSAM data set, this message is accompanied by a VSAM error message that further identifies the problem.

**System Action:** Programmed Cryptographic Facility initialization processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Verify that the specified *ddname* has been included in the JCL for the START procedure or in the JCL for the key generator utility program. For a VSAM data set, see the accompanying VSAM error message for additional information. Correct the problem and reissue the operator START command or rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

---

**ICT033I      LOAD FAILED FOR CRYPTOGRAPHY  
INSTALLATION OPTIONS MODULE**

**Explanation:** The Programmed Cryptographic Facility initialization process invoked by the operator START command or the key generator utility program was unable to load the installation options module, ICTOPTNS.

**System Action:** Programmed Cryptographic Facility initialization processing ends.

**Application Programmer Response:** Check the output of the install process (SMP) to verify that the installation options module was properly installed in SYS1.LINKLIB. Correct the problem and reissue the operator START command or rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

---

**ICT034I      CRYPTOGRAPHY INITIALIZATION  
UNABLE TO ESTABLISH ESTAE CODE  
xxx**

**Explanation:** The Programmed Cryptographic Facility initialization process invoked by the operator START command or the key generator utility program was unable to establish an ESTAE recovery environment. The code from ESTAE processing is specified by *xxx*.

**System Action:** Programmed Cryptographic Facility initialization processing ends.

**Operator Response:** If the code is 14, reissue the operator START command. For all other codes, contact your system programmer. When the problem is corrected, reissue the START command.

**Application Programmer Response:** If the code is 14, rerun the key generator utility program. For all other codes, contact your system programmer. When the problem is corrected, or rerun the utility program.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

---

**ICT035I      synad message from VSAM while  
processing CKDS**

**Explanation:** A physical I/O error occurred during Programmed Cryptographic Facility initialization processing while reading the host master key from the cryptographic key data set (CKDS).

**System Action:** Programmed Cryptographic Facility initialization processing ends.



## ICT036I • ICT044I

**Operator Response:** Notify the system programmer.

**System Programmer Response:** See the explanation of the accompanying VSAM physical I/O error message. Correct the problem and rerun the job. If the volume caused the error, use a backup copy of the CKDS on a different volume. (If you do not want to re-IPL the system, ensure that the new copy of the CKDS uses the same host master key as the old copy.) If the device caused the error, move the volume containing the CKDS to an alternate device. To change the volume or device, stop the Programmed Cryptographic Facility, if it is active (via IPL or an operator STOP command). Make the required change and then reissue the START command or rerun the key generator utility program. If applicable, specify the alternate data set name.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT036I UNEXPECTED VSAM ERROR PROCESSING CKDS CODE *rc* [FDBK *code*]

**Explanation:** An error occurred during Programmed Cryptographic Facility initialization processing while reading the host master key from the cryptographic key data set (CKDS). In the message, *rc* is the return code that identifies the error. If *rc* identifies a logical error, then FDBK *code* indicates the specific logical error that has occurred.

**System Action:** Programmed Cryptographic Facility initialization processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** For an explanation of the return code and feedback code, see the description of the VSAM macro. Correct the problem and reissue the operator START command or rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT040I CRYPTOGRAPHY FACILITY HAS BEEN DEACTIVATED: REQUESTS FOR NEW CRYPTOGRAPHY SESSIONS WILL BE REJECTED

**Explanation:** An operator STOP command has successfully deactivated the Programmed Cryptographic Facility. All current sessions or jobs using the EMK or CIPHER functions of the facility can continue processing. All new sessions or jobs requesting the facility (using a GENKEY or RETKEY macro instruction) will be rejected.

**System Action:** System processing continues.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT041I CRYPTOGRAPHY FACILITY HAS BEEN ACTIVATED

**Explanation:** An operator START command has successfully activated the Programmed Cryptographic Facility. All functions of the facility are currently operational.

**System Action:** The Programmed Cryptographic Facility is active.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT042I START CRYPTO TERMINATED

**Explanation:** The START command procedure ended abnormally when attempting to start the Programmed Cryptographic Facility. Another message that explains the nature of the error precedes this message.

**System Action:** START command processing ends. The Programmed Cryptographic Facility is not active.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Respond to the problem described by the preceding message.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT043I UNABLE TO OPEN SYSCKDS

**Explanation:** The START command procedure used to start the Programmed Cryptographic Facility was not able to open the cryptographic key data set (CKDS) defined by the SYSCKDS DD statement. This message is accompanied by a VSAM error message that further identifies the problem.

**System Action:** START command processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Verify that a DD statement has been included in the START procedure for the CKDS with the ddname SYSCKDS. Check the accompanying VSAM error message for additional information. Correct the problem and reissue the operator START command.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT044I START CRYPTO UNABLE TO ESTABLISH ESTAE CODE *xxx*

**Explanation:** The START procedure used to start the Programmed Cryptographic Facility was unable to establish an ESTAE recovery environment. The return code from ESTAE processing is specified by *xxx*.

**System Action:** START command processing ends.

**Operator Response:** If the code is 14, reissue the operator START command. When the problem is corrected, reissue the START command. For all other codes, contact your system programmer.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

---

#### ICT045I      START CRYPTO OR KEY GENERATOR ALREADY IN PROGRESS

**Explanation:** An operator START command was issued to start the Programmed Cryptographic Facility but the facility has already been started, the START command procedure is currently running, or the key generator utility program is running.

**System Action:** The START command is ignored.

**Operator Response:** If a START command was issued when the Programmed Cryptographic Facility is already active or the START command procedure is already running, an operator STOP command must be issued before another START command can be accepted. If the key generator utility program is currently running, reissue the START command when the utility program ends.

**Source:** Programmed Cryptographic Facility (PCF)

---

#### ICT046I      STOP CRYPTO IN PROGRESS

**Explanation:** An operator STOP for the Programmed Cryptographic Facility has been accepted. STOP command processing waits until all outstanding requests to access the cryptographic key data set (CKDS) are finished before closing the CKDS and stopping the Programmed Cryptographic Facility task. (Requests to access the CKDS are made by the GENKEY or the RETKEY macro instructions.) Once the STOP command is accepted, all new sessions or jobs requesting the Programmed Cryptographic Facility are rejected.

**System Action:** STOP command processing waits until the CKDS is not being used.

**Source:** Programmed Cryptographic Facility (PCF)

---

#### ICT100I      WEAK KEY SPECIFIED

**Explanation:** A weak clear key value was specified on a LOCAL, REMOTE, or CROSS control statement for the key generator utility program. The control statement containing the weak key precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Supply a new clear key value on the control statement or remove the KEY parameter completely to let the key generator utility program generate a clear key value. See "Security Highlights and Requirements" in *OS/VS1 and OS/VS2 MVS Programmed Cryptographic Facility: Installation Reference Manual* for a description of weak key values. Rerun the utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement as input.

**Source:** Programmed Cryptographic Facility (PCF)

---

#### ICT1002      INVALID VERB

**Explanation:** A verb that was specified on a control statement for the key generator utility program was not valid. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Correct the verb on the control statement. The valid verbs are LOCAL, REMOTE, CROSS, EXTRA-LOCAL, EXTRA-REMOTE, EXTRA-CROSS, and INSTDAT. The verb must be preceded and followed by a blank. Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement as input.

**Source:** Programmed Cryptographic Facility (PCF)

---

#### ICT1003      SYNTAX ERROR IN KEY

**Explanation:** The clear key value specified on a LOCAL, REMOTE, or CROSS control statement for the key generator utility program was not valid. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Supply a valid clear key value on the control statement. A valid value consists of 16 hexadecimal digits. (Valid hexadecimal digits are 0 through 9 and A through F.) Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement as input.

**Source:** Programmed Cryptographic Facility (PCF)

---

#### ICT1004      SYNTAX ERROR IN LABEL

**Explanation:** A label specified on a LOCAL, REMOTE, or CROSS control statement for the key generator utility program was not valid. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control

## ICT1005 • ICT1009

statement. Processing continues for any other control statements.

**Application Programmer Response:** Supply a valid label on the control statement. A valid label consists of 1 to 8 alphanumeric characters. Valid alphanumeric characters are A through Z and 0 through 9. Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement as input.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT1005 INVALID OR REDUNDANT KEYWORD SPECIFIED

**Explanation:** A keyword parameter specified on a LOCAL, REMOTE, or CROSS control statement for the key generator utility program was redundant or not valid. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Correct the keyword parameter or remove the redundant keyword parameter on the control statement. Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT1006 INVALID VALUE SPECIFIED ON EXTRA STATEMENT

**Explanation:** One of the following conditions was encountered on an EXTRA-LOCAL, EXTRA-CROSS, or EXTRA-REMOTE control statement for the key generator utility program:

- The first through fourth characters of the value for label-base were not alphanumeric.
- The fifth through eighth characters of the value for label-base were not numeric.
- An incorrect number of additional keys was requested.

The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** If the alphanumeric portion of the label-base is incorrect, supply a valid value on the control statement. A valid value consists of 4 alphanumeric characters. Valid alphanumeric characters are A through Z and 0 through 9.

Otherwise, correct the numerical portion of the label-base and/or the number of additional keys

requested on the control statement. The sum of these two values must not exceed 9999.

Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT1007 STATEMENT REJECTED BY INSTALLATION EXIT

**Explanation:** A control statement was rejected by the key generator utility program installation exit routine. The rejected control statement precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Follow local procedures for errors detected by the key generator utility program installation exit routine. Correct the error and, if necessary, rerun the utility program. Specify the CHGK function on the EXEC statement and provide the corrected control statement.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT1008 REQUIRED PARAMETER INFORMATION MISSING

**Explanation:** The key generator utility program found that the value for the SETM, CHGM, or SEED parameter on the EXEC statement is missing.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Supply the missing value in the PARM field of the EXEC statement and rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

---

### ICT1009 DUPLICATE LABEL; KEY NOT ADDED

**Explanation:** A user requested the key generator utility program to add a label and its associated secondary key-encrypting key to the cryptographic key data set (CKDS), but the specified label was already defined in the CKDS. The rejected control statement precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Assign a unique label to the key and rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement.

**Source:** Programmed Cryptographic Facility (PCF)



**ICT1010 LABEL NOT FOUND; NOT PROCESSED**

**Explanation:** A user requested the key generator utility program to update a secondary key-encrypting key or to delete a label and its associated key from the cryptographic key data set (CKDS), but the specified label was not defined in the CKDS. The rejected control statement precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Supply the correct label and rerun the key generator utility program, specifying the CHGK function on the EXEC statement.

**Source:** Programmed Cryptographic Facility (PCF)

**ICT1011 synad I/O error message from VSAM**

**Explanation:** A physical I/O error occurred when the key generator utility program attempted to access the SYSCKDS or SYSNCKDS data set.

**System Action:** Key generator utility processing ends.

**System Programmer Response:** See the explanation of the accompanying VSAM physical I/O error message. If the volume caused the error, use a backup copy of the CKDS on a different volume. (If you do not want to re-IPL the system, ensure that the new copy of the CKDS uses the same host master key as the old copy.) If the device caused the error, move the volume containing the CKDS to an alternate device.

Rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICT010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00, ICTMKG01

**ICT1012 PROCESSING TERMINATES DUE TO INSTALLATION EXIT REQUEST**

**Explanation:** The key generator utility program stops processing at the request of the installation exit routine. If the problem occurred while the utility program was processing a change to the host master key, the contents of the PARM field of the EXEC statement precede this message. If the problem occurred while the utility program was processing a SYSIN control statement, the control statement precedes this message.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Follow local procedures.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00, ICTMKG01

**ICT1013 PROCESSING ENDED DUE TO ESTAE OR STAE RETURN CODE xxx**

**Explanation:** The key generator utility program attempted to use the ESTAE system service, but the error code xxx was returned.

**System Action:** Key generator utility processing ends. No control statements are processed.

**Application Programmer Response:** If the code is 14, run the key generator utility program again. For all other codes, contact your system programmer. When the problem is corrected, rerun the utility program.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00, ICTMKG01

**ICT1014 SYSIN DATA SET EMPTY; NO PROCESSING OCCURRED**

**Explanation:** The CHGK function of the key generator utility program was requested but no control statements could be found.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Add the desired control statements to the SYSIN data set and rerun the key generator utility program.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG01

**ICT1015 UNABLE TO [OPEN | CLOSE ] ddname [CODE rc]**

**Explanation:** The key generator utility program was unable to open or close the data set defined by the DD statement identified by *ddname*.

If the data set is a VSAM data set (SYSCKDS or SYSNCKDS), the VSAM return code *rc* is included to help identify the error.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** If the problem occurred while trying to open a data set, check the JCL. Be sure the required DD statements were included, that they have the correct ddnames, and that they define the correct data sets. The following ddnames are valid: SYSCKDS, SYSNCKDS, SYSIN, and SYSMKDS.

## ICT1016 • ICT1018

An open failure can also occur if the SYSCKDS or SYSNCKDS data set was defined without the proper parameters. See "Defining Storage for the CKDS and the MKDS" in *OS/VS1 and OS/VS2 MVS Programmed Cryptographic Facility: Installation Reference Manual* for instructions on using the access method services DEFINE CLUSTER command.

Correct the problem and rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set, (message ICT010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00, ICTMKG01

---

### ICT1016 INSUFFICIENT SPACE ON CKDS

**Explanation:** The key generator utility program could not complete a request to update the cryptographic key data set (CKDS) because there is insufficient space on the target data set. The target data set is defined by the SYSCNCKDS DD statement if the CHGK function was requested.

If the problem occurred while the utility program was processing a change to the host master key, the contents of the PARM field of the EXEC statement precede this message. If the problem occurred while the utility program was processing a SYSIN control statement, the control statement precedes this message.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** If the SETM or CHGM function was requested and the host system master key was not set (the contents of the PARM field precede this message), define a larger target data set for the CKDS and rerun the job. Otherwise, the key generator utility program failed while processing a SYSIN control statement and one of the following must be done:

- Reorganize the target CKDS to force more efficient space utilization.
- Define a larger data set for use as the new target CKDS and copy the contents of the original target CKDS to the larger data set.

Then, use this listing to determine which control statements were processed successfully and rerun the key generator utility program using the CHGK option to process the remaining control statements.

For information on defining and reorganizing the CKDS, see "Defining Storage for the CKDS and MKDS" in *OS/VS1 and OS/VS2 MVS Programmed Cryptographic Facility: Installation Reference Manual*. The commands needed to define, reorganize and copy the data set are described in your VSAM catalog administration books.

Notify the security administrator.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00, ICTMKG01

---

### ICT1017 CRYPTOGRAPHY STARTED; INVALID KEY GENERATOR REQUEST

**Explanation:** The key generator utility program was unable to run because the Programmed Cryptographic Facility was active.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** When the Programmed Cryptographic Facility is stopped and there are no cryptographic sessions or jobs running in the system, rerun the key generator utility program to change the host master key. Restart the Programmed Cryptographic Facility by entering an operator START command.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00

---

### ICT1018 KEY GENERATION NOT ALLOWED - *text*

**Explanation:** In the message, *text* is one of the following:

TOD CLOCK ERROR  
SEED NOT SUPPLIED

An error was encountered when the key generator utility program attempted to read the time-of-day (TOD) clock, the TOD clock was inoperative, or a seed value was not supplied on the EXEC statement. Processing continues; however, no keys can be generated.

**System Action:** Key generator utility processing continues.

**Application Programmer Response:** If the problem involves the TOD clock, contact your service representative. If a seed value was not supplied, ignore this message unless message ICT1025 also appears. If message ICT1025 appears, see the description of message ICT1025.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00, ICTMKG01

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**ICT1019      CRYPTOGRAPHY SYSTEM MASTER  
KEY HAS BEEN SET**

**Explanation:** The key generator utility program has successfully set the host master key. If there are any control statements requesting updates to the secondary key-encrypting keys, they are processed at this time.

**System Action:** Key generator utility processing continues.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00

---

**ICT1020      INVALID KEYWORD SPECIFIED IN  
PARM FIELD**

**Explanation:** A keyword parameter specified in the PARM field of the EXEC statement for the key generator utility program was not valid.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Supply a valid keyword parameter in the PARM field. The valid keyword parameters are SETM, CHGM, CHGK, and SEED. Rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00

---

**ICT1021      WEAK SYSTEM MASTER KEY  
SPECIFIED**

**Explanation:** A weak value for the new host master key was specified in the PARM field of the EXEC statement for the key generator utility program.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Supply a new host master key value and its complement in the PARM field of the EXEC statement. See "Security Highlights and Requirements" in *OS/VS1 and OS/VS2 MVS Programmed Cryptographic Facility: Installation Reference Manual* for a description of weak key values. Rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00

---

**ICT1022      INVALID SYNTAX FOR *text***

**Explanation:** In the message, *text* is one of the following:

CURRENT MASTER KEY  
NEW MASTER KEY  
NEW MASTER KEY COMPLEMENT SEED

An incorrect value was specified for the SETM, CHGM, or SEED parameter in the PARM field of the EXEC statement for the key generator utility program.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Correct the value in the PARM field of the EXEC statement. A valid value consists of 16 hexadecimal digits. (Valid hexadecimal digits are 0 through 9 and A through F.) Rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00

---

**ICT1023      INVALID RETURN CODE FROM  
INSTALLATION EXIT; PROCESSING  
TERMINATES**

**Explanation:** A return code provided by the key generator utility program installation exit was not valid. If the problem occurred while the utility program was processing a change to the host master key, the contents of the PARM field of the EXEC statement precede this message. If the problem occurred while the utility program was processing a SYSIN control statement, the control statement precedes this message.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Check the installation exit routine to determine if there are any problems in the module and make any necessary corrections. Link edit the key generator utility program with the corrected exit routine. (See "Adding User-Written Exit Routines" in *OS/VS1 and OS/VS2 MVS Programmed Cryptographic Facility: Installation Reference Manual*.) Rerun the key generator utility program as follows. Rerun the entire job if the SETM or CHGM function was requested and the host master key was not set (the contents of the PARM field precede this message).

Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00, ICTMKG01

---

**ICT1024 REQUIRED OPERAND[S] MISSING;  
STATEMENT IGNORED**

**Explanation:** While scanning a SYSIN control statement, the key generator utility program could not find one or more required parameters. LOCAL, REMOTE, and CROSS control statements require a label. EXTRA-LOCAL, EXTRA-REMOTE, and EXTRA-CROSS control statements require a number and a label-base. The REASGN control statement requires an existing label and a new label. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Correct the control statement. Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG01

**ICT1025 REQUIRED INPUTS FOR KEY  
GENERATION NOT AVAILABLE**

**Explanation:** The key generator utility program attempted to generate a key for a control statement and either a problem occurred with the time-of-day (TOD) clock or a valid seed value was not supplied on the EXEC statement. Message ICT1018, which identifies the specific problem, and the control statement being processed when the problem occurred, precede this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Respond as follows:

- If message ICT1018 stated that there is a problem involving the TOD clock, contact your service representative.
- If message ICT1018 stated that a seed value was supplied, add a seed value to the EXEC statement.

Rerun the key generator utility program specifying the CHGK function on the EXEC statement and providing the control statement that was being processed when the problem occurred.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG01

**ICT1026 UNEXPECTED VSAM ERROR CODE *rc*  
[FDBK *code*]**

**Explanation:** An error occurred when the key generator utility program attempted to read from or write

to the cryptographic key data set (CKDS). In the message, *rc* is the return code that identifies the error. If *rc* identifies a logical error, then FDBK *code* indicates the specific logical error that has occurred.

**System Action:** Key generator utility processing ends.

**System Programmer Response:** For an explanation of the return code and feedback code, see the description of the VSAM macro. Correct the problem and rerun the utility program as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICT010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

Notify the security administrator.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00, ICTMKG01

**ICT1027 SYSTEM MASTER KEY PREVIOUSLY  
SET; INVALID KEY GENERATOR  
REQUEST**

**Explanation:** An attempt was made to use the SETM function of the key generator utility program to set host master key, but the host master key has already been set. Any change to it must be requested using the CHGM function of the utility program.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** If you want to change the host master key and secondary key-encrypting keys, rerun the key generator utility program specifying CHGM on the EXEC statement. If you want to change secondary key-encrypting keys only, rerun the utility program specifying CHGK on the EXEC statement.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00

**ICT1028 SYSTEM MASTER KEY**

**Explanation:** When attempting to change the host master key, the key generator utility program encountered an incorrect current host master key value in the PARM field of the EXEC statement.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Correct the value of the current host master key in the EXEC statement and rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.



**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00

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### ICT1029 INVALID PARITY IN NEW MASTER KEY

**Explanation:** A value specified for the new host master key in the PARM field of the EXEC statement for the key generator utility program was not valid.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Supply a valid value for the new host master key and the complement of the value in the EXEC statement. The new key value must contain odd parity in each byte. Rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00

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### ICT1030 INVALID SMF DATA LENGTH FROM INSTALLATION EXIT; PROCESSING TERMINATES

**Explanation:** The key generator installation exit routine returned the SMF buffer with a value greater than 64 in the length field.

**System Action:** The key generator utility program does not include the installation-defined data in the SMF record. The program writes the SMF record to the SMF data set and stops processing.

**Application Programmer Response:** Check the installation exit routine to determine if there are any problems in the module and make any necessary corrections. Link edit the key generator utility program with the corrected exit routine. (See "Adding User-Written Exit Routines" in *OS/VS1 and OS/VS2 MVS Programmed Cryptographic Facility: Installation Reference Manual*.) Rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICT010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements. Notify the security administrator.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00, ICTMKG01

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### ICT1031 INVALID DELIMITER IN PARM FIELD

**Explanation:** While scanning the PARM field of the EXEC statement, the key generator utility program did not find an expected delimiter or encountered an unexpected delimiter.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** The valid delimiters are comma, right and left parentheses, and blank. Correct the error and rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00

---

### ICT1032 CRYPTOGRAPHY EMK FUNCTION FAILED - CODE xx

**Explanation:** An error occurred during the processing of an EMK macro instruction issued by the key generator utility program. In the message text, xx is the error return code from the EMK macro. The values of xx and their explanations are as follows:

Code	Explanation
4	The Programmed Cryptographic Facility has not been initialized.
8	The operation requested was not valid; the macro was not EMK.
12	An ESTAE recovery environment could not be established.
32	The address of the clear key-encrypting key or the address of the enciphered key-encrypting key was specified as zero.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Contact your programming support personnel. When the problem has been corrected, rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set, (message ICT010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00, ICTMKG01

## ICT1033 • ICT1035

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### ICT1033 CRYPTOGRAPHY CIPHER FUNCTION FAILED - CODE xx

**Explanation:** An error occurred during the processing of a CIPHER macro instruction issued by the key generator utility program. In the message text, xx is the error return code from the macro. The values of xx and their explanations are as follows:

Code	Explanation
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4	The Programmed Cryptographic Facility has not been initialized. The data could not be enciphered or deciphered.
8	The operation requested was not valid; the macro was not CIPHER.
12	An ESTAE recovery environment could not be established.
16	The length of the data to be enciphered or deciphered was specified as zero or as a negative number.
20	The BRANCH=YES parameter was specified, but the program issuing the macro is not running in supervisor state.
32	The address of the clear data or the enciphered data was specified as zero.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Contact your system programmer. When the problem has been corrected, rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICT010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00

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### ICT1034 CRYPTOGRAPHY KEY TRANSLATION FAILED - CODE xx

**Explanation:** An error has occurred during key translation processing. The translation was requested by the key generator utility program. In the message text, xx is the error return code from the key translation process. The values of xx and their explanations are as follows:

Code	Explanation
------	-------------

4	The Programmed Cryptographic Facility has not been initialized.
8	The operation requested was not valid.

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12	An ESTAE recovery environment could not be established.
24	Bad parity was detected in the local, remote, or cross key.
28	The program requesting the key translation function is not APF-authorized or in supervisor state or running under storage protect key 0 through 7.
32	The address of the enciphered data-encrypting key or the address of the enciphered key-encrypting key was specified as zero.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Contact your programming support personnel. When the problem has been corrected, rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICT010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00, ICTMKG01

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### ICT1035 synad message for non-VSAM

**Explanation:** An I/O error occurred while the key generator utility program was processing the non-VSAM data set defined by the SYSMKDS or SYSIN DD statement.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** For the format and explanation of the message, see the description of the SYNADAF macro instruction in your data administration macro instruction book. Correct the problem and rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICT010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements. Notify the security administrator.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00, ICTMKG01

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**ICT1036      CKDS ENTRY SUCCESSFULLY  
DELETED**

**Explanation:** The key generator utility program has successfully deleted an entry from the cryptographic key data set (CKDS). The control statement that was processed precedes this message.

**System Action:** Processing continues.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG01

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**ICT1037      INVALID VALUE FOR NEW SYSTEM  
MASTER KEY COMPLEMENT**

**Explanation:** An incorrect new host master key or its complement value was specified on the PARM field of the EXEC statement for the key generator utility program.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Check both the new host master key and its complement value to determine which one was not correct. Supply the correct new host master key value or its complement value on the EXEC statement and rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Programmed Cryptographic Facility (PCF)

**Detecting Module:** ICTMKG00





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## Chapter 7. ICU Messages

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### ICU010I      CRYPTOGRAPHY SYSTEM MASTER KEY HAS BEEN SET

**Explanation:** The key generator utility program has successfully set the host master key. If there are any control statements requesting updates to the secondary key-encrypting keys, these statements are processed at this time.

**Note:** The security administrator must ensure that an authorized person was running the key generator utility program. More information about the requester is recorded in SMF record type 82.

**System Action:** Key generator utility processing continues.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU011I      CRYPTOGRAPHY KEY UPDATE STARTED IN KEY GENERATOR UTILITY *job name*

**Explanation:** The key generator utility program, identified by *jobname*, has successfully updated the cryptographic key data set (CKDS) to reflect a new, changed, or deleted secondary key-encrypting key. This message is issued only for the first update to the CKDS for a secondary key-encrypting key although the job may contain several update requests.

**Note:** The security administrator must ensure that an authorized person was running the key generator utility program. More information about the requester is recorded in SMF record type 82.

**System Action:** Key generator utility processing continues.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU012I      ERROR IN EXECUTING KEY GENERATOR UTILITY *jobname*

**Explanation:** The key generator utility program, identified by *jobname*, did not complete successfully. A message identifying the nature of the problem is routed to the data set defined by the SYSPRINT DD statement.

**Note:** The security administrator must ensure that an authorized person was running the key generator utility program. More information about the requester is recorded in SMF record type 82.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Respond to the problem identified by the message appearing in the data set defined by the SYSPRINT DD statement.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU013I      KEY GENERATOR UTILITY *jobname* STARTED AT *time*

**Explanation:** The key generator utility job, indicated by *jobname*, began running at the time shown in the message.

**Note:** The security administrator must ensure that an authorized person was running the key generator utility program. More information about the requester is in SMF record type 82.

**System Action:** Key generator utility processing continues.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU014I      KEY GENERATOR UTILITY *jobname* ENDED AT *time*

**Explanation:** The key generator utility job, indicated by *jobname*, completed processing at the time shown in the message.

**Note:** The security administrator must ensure that an authorized person was running the key generator utility program. More information about the requester is in SMF record type 82.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Respond to any error messages that were issued.

**Source:** Cryptographic Unit Support Program (CUSP)

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### ICU020I      synad message from VSAM while processing CKDS

**Explanation:** A physical I/O error occurred while the key manager was attempting to read the cryptographic key data set (CKDS).

**Operator Response:** Notify the system programmer.

**System Programmer Response:** See the explanation of the accompanying VSAM physical I/O error message in your VSAM macro instruction book. If the volume caused the error, use a backup copy of the CKDS on a different volume. (If you do not want to re-IPL the system, ensure that the new copy of the CKDS uses the same host master key as the old copy.) If the device caused the error, move the volume containing the CKDS to an alternate device. To change the volume or device, stop the Cryptographic Unit Support (via IPL or an operator STOP command) and restart it (via an operator START command), specifying an alternate data

## ICU021I • ICU026I

set name on the START command, if required. Rerun the job.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

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### ICU021I VIOLATION ON RETKEY BY *text*

**Explanation:** *text* is

USER (*userid*) GROUP (*groupid*)  
JOB (*jobname*) STEP (*stepname*)

An unauthorized program has issued the RETKEY SVC requesting that a data-encrypting key enciphered under a cross key be enciphered again under the host master key. The RACF (Resource Access Control Facility) user (*userid*) and group name (*groupid*) are given if they are available. Otherwise, the job name (*jobname*) and step name (*stepname*) are supplied. The REMKEY field in SMF record type 82 contains the label of the cross key.

**Note:** The security administrator must determine if an attempted security violation occurred. Follow the security procedures established by your installation.

**System Action:** Key manager processing ends.

**Operator Response:** Notify the security administrator.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU022I *xxx* ABEND DURING [GENKEY | RETKEY ] PROCESSING

**Explanation:** An error occurred during processing of either the GENKEY or RETKEY function of the key manager. In the message, *xxx* indicates the system completion code.

**System Action:** Key manager processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Respond to the problem identified by the system completion code.

To ensure that a dump is produced for this problem, run the job again with a SYSABEND DD statement.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU024I UNEXPECTED VSAM ERROR CODE *rc* [FDBK *code*]

**Explanation:** An error occurred when the key manager attempted to read the cryptographic key data set (CKDS). In the message, *rc* is the return code that identifies the error. If *rc* identifies a logical error, then **FDBK *code*** indicates the specific logical error that has occurred.

**System Action:** Key manager processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** For an explanation of the return code and feedback code, see the description of the VSAM macro. Correct the problem and rerun the job.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU025I ENTRY *xxxxxxx* FAILS AUTHENTICATION TEST

**Explanation:** The key manager has determined that the secondary key-encrypting key, stored in the cryptographic key data set (CKDS) entry indicated by *xxxxxxx*, has been changed since it was stored in the CKDS. The key authentication procedure, using the test pattern in the CKDS entry, detected the problem.

**System Action:** Processing stops for this request.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Ensure that the CKDS and MKDS that are mounted are the current versions of the data sets. Rerun the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU026I INTERNAL CKDS LOOKUP FAILED AND DISABLED. ERROR CODE *xx yy*

**Explanation:** A failure occurred in the cryptographic key table (CKT). *xx* and *yy* are the return and reason codes for the error. An error was encountered when ICUMKM18 attempted to locate a CKDS record from the in-core cryptographic key table (CKT).

**System Action:** Access to the cryptographic key data set (CKDS) resumes.

**Operator Response:** Respond according to the specific return and reason codes.

**Source:** Cryptographic Unit Support Program (CUSP)

Return Code	Reason Code	Description
8	8	CKT address not passed by ICUMKM14.
	16	CKT information passed from ICUMKM14 was not valid.
	20	Invalid CKT record key passed by ICUMKM14.
	24	Invalid record buffer passed by ICUMKM14.
	28	No entries in CKT to retrieve.
	32	Invalid CKT RKP passed by ICUMKM14.

	40	CKT record failed modification detection check (MDC). CKT has become corrupted.
12	36	Recovery environment could not be established in ICUMKM18.

---

**ICU030I      CRYPTOGRAPHY INITIALIZATION  
UNABLE TO LOCATE *name* IN LPA**

**Explanation:** The Cryptographic Unit Support installation process invoked by the operator START command or the key generator utility program was unable to locate the routine specified by *name* in a search of the active link pack area queue and the link pack area directory.

**System Action:** Cryptographic Unit Support initialization processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Determine if the GENKEY or RETKEY installation exit routine (module ICUMGR90 or ICUMGR95) is properly link edited into SYS1.LPALIB. If the module has been replaced since the Cryptographic Unit Support was installed, check the linkage editor output from the most recent change. If it has not been replaced, check the output of the install process (SMP) to see that the module was properly installed. Correct the problem and reissue the operator START command or rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU031I      INVALID CRYPTOGRAPHY USER SVC  
NUMBER SPECIFIED**

**Explanation:** The Cryptographic Unit Support initialization process invoked by the operator START command or the key generator utility program has determined that the options module, ICUOPTN2, contains an user SVC number that is not valid.

**System Action:** Cryptographic Unit Support initialization processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Update the installation options module, ICUOPTN2, to reflect a valid user SVC number in the range of 200 through 255. See the Cryptographic Unit Support Program Directory for information on how to modify the options module. When the update is complete, reissue the operator START command or rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU033I      LOAD FAILED FOR CRYPTOGRAPHY  
INSTALLATION OPTIONS MODULE**

**Explanation:** The Cryptographic Unit Support initialization process invoked by the operator START command or the key generator utility program was unable to load the installation options module, ICUOPTN2.

**System Action:** Cryptographic Unit Support initialization processing ends.

**Application Programmer Response:** Check the output of the install process (SMP) to verify that the installation options module was properly installed in SYS1.LINKLIB. Correct the problem and reissue the operator START command or rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU034I      CRYPTOGRAPHY INITIALIZATION  
UNABLE TO ESTABLISH ESTAE CODE  
xxx**

**Explanation:** The Cryptographic Unit Support initialization process invoked by the operator START command or the key generator utility program was unable to establish an ESTAE recovery environment. The code from ESTAE processing is specified by *xxx*. See *z/OS MVS Programming: Assembler Services Reference ABE-HSP* for further information.

**System Action:** Cryptographic Unit Support initialization processing ends.

**Operator Response:** If the code is 14, reissue the operator START command. For all other codes, contact your system programmer. When the problem is corrected, reissue the START command.

**Application Programmer Response:** If the code is 14, run the key generator utility program again. For all other codes, contact your system programmer. When the problem is corrected, run the key generator utility program again.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

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## ICU041I • ICU048I

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### ICU041I CRYPTOGRAPHY FACILITY HAS BEEN ACTIVATED

**Explanation:** An operator START command has successfully activated the Cryptographic Unit Support. All functions of the facility are currently operational.

**System Action:** The Cryptographic Unit Support is active.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU042I START *jobname* TERMINATED

**Explanation:** The START command procedure, identified by *jobname*, ended abnormally when attempting to start the Cryptographic Unit Support. One or more messages that explain the nature of the error precede this message.

**System Action:** START command processing ends. The Cryptographic Unit Support is not active.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Respond to the problem described by the preceding message.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU043I UNABLE TO OPEN SYSCKDS

**Explanation:** The START command procedure used to start the Cryptographic Unit Support was not able to open the cryptographic key data set (CKDS) defined by the SYSCKDS DD statement. This message is accompanied by a VSAM error message that further identifies the problem.

**System Action:** START command processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Verify that a DD statement has been included in the START procedure for the CKDS with the ddname SYSCKDS. Check the accompanying VSAM error message for additional information. Correct the problem and reissue the operator START command.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU044I START *jobname* UNABLE TO ESTABLISH ESTAE CODE *xxx*

**Explanation:** The START procedure used to start the Cryptographic Unit Support, identified by *jobname*, was unable to establish an ESTAE recovery environment.

**System Action:** START command processing ends.

**Operator Response:** If the code is 14, reissue the operator START command. For all other codes, notify your system programmer. When the problem is

corrected, reissue the START command.

**System Programmer Response:** The return code from ESTAE processing is specified by *xxx*. See *z/OS MVS Programming: Assembler Services Reference ABE-HSP* for further information.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU045I CRYPTOGRAPHIC UNIT SUPPORT OR KEY GENERATOR OR PROGRAMMED CRYPTOGRAPHIC FACILITY ALREADY IN PROGRESS

**Explanation:** An operator START command was issued to start the Cryptographic Unit Support but a cryptographic function is already in progress. The cryptographic function could be the Cryptographic Unit Support, the key generator for the Cryptographic Unit Support, the Programmed Cryptographic Facility, or the key generator for the Programmed Cryptographic Facility.

**System Action:** The START command is ignored.

**Operator Response:** If a START command was issued when the Cryptographic Unit Support is already active or the START command procedure is already running, an operator STOP command must be issued before another START command can be accepted. If the key generator utility program is currently running, reissue the START command when the utility program ends.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU047I MODIFY CRYPTOGRAPHY COMMAND REJECTED

**Explanation:** An operator MODIFY command was issued to change the configuration of cryptographic units, but the configuration established by the MODIFY command does not include any cryptographic units available to the Cryptographic Unit Support.

**System Action:** MODIFY command processing ends. System processing continues with the configuration that existed before the MODIFY command was issued.

**Operator Response:** Ensure that the cryptographic units specified in the command are physically online. Reissue the MODIFY command.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU048I MODIFY CRYPTOGRAPHY -- NEW DEVICE CONFIGURATION IS *device-addr*

**Explanation:** An operator MODIFY command has successfully changed the configuration of cryptographic units. In the message, *device-addr* identifies the



cryptographic unit now available to the Cryptographic Unit Support.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU050I      USER-SUPPLIED KEY AND DEVICE  
device-addr KEY DO NOT MATCH**

**Explanation:** The host master key supplied as input to the key generator does not have the same value as the host master key installed in the cryptographic unit identified by *device-addr*.

**System Action:** Processing continues if another cryptographic unit is available. Otherwise, processing ends.

**Operator Response:** Notify the security administrator.

**Application Programmer Response:** If a cryptographic unit was not available to continue processing, rerun the key generator utility program.

**Security Administrator Response:** Ensure that the host master key installed in the cryptographic unit and the value supplied in the PARM field of the EXEC statement are the same.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU051I      KEY USED TO CREATE DATA SET  
ddname AND DEVICE device-addr KEY  
DO NOT MATCH**

**Explanation:** The host master key installed in the cryptographic unit, identified by *device-addr*, is not the same value as the host master key whose variants were used to encipher entries on the cryptographic key data set (CKDS), identified in the message by *ddname*.

**System Action:** If another cryptographic unit is available, processing continues. Otherwise, processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Ensure that the CKDS, defined by the specified *ddname*, is the current version of the data set. If a cryptographic unit was not available to continue processing, rerun the key generator utility program. Notify the security administrator.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU052I      DATA SETS ddname-1 AND ddname-2  
NOT CREATED WITH SAME MASTER  
KEY**

**Explanation:** The entries on the cryptographic key data set (CKDS), identified in the message by *ddname-1*, were not enciphered under the host master key variants that are stored on the master key variant data set (MKDS), identified in the message by *ddname-2*.

**System Action:** Key generator utility processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Ensure that the CKDS and MKDS that are defined on the specified DD statements are the current versions of the data sets. Rerun the key generator utility program. Notify the security administrator.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU053I      USER-SUPPLIED KEY AND KEY USED  
TO CREATE ddname DO NOT MATCH**

**Explanation:** The value supplied to the key generator as the old host master key (for a CHGM request) is not the value whose variants were used to encipher the entries on the cryptographic key data set (CKDS), identified in the message by *ddname*.

**System Action:** Key generator utility processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Ensure that the CKDS that is defined on the specified DD statement is the current version of the data set. Ensure that the value supplied to the key generator is the value that was in the cryptographic unit just before the most recent change. Rerun the key generator utility program. Notify the security administrator.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU054I      KEY VERIFICATION NOT EXECUTED.  
INVALID INPUT.**

**Explanation:** The code that indicates which of the key verification tests is to be performed was not valid. The code did not indicate any of the defined key verification tests.

**System Action:** The program that requested key verification (either the key generator utility, START command processing, or MODIFY command processing) ends.

**Operator Response:** Notify the system programmer. When the problem has been corrected, issue the START or MODIFY command again.

**Application Programmer Response:** Notify the system programmer. When the problem has been corrected, run the key generator utility again.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU055I      KEY VERIFICATION TEST FAILED DUE  
TO I/O ERROR**

**Explanation:** A cryptographic unit failed the key verification test because of an I/O error. This error can occur following the invocation of the cryptographic unit access routine.

## ICU060I • ICU072I

**System Action:** If another cryptographic unit is available, processing continues. Otherwise, processing ends. A logrec data set record is written.

**Operator Response:** Contact hardware support. Notify the security administrator.

**System Programmer Response:** Run OLTEP diagnostics for the problem device.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU060I INTERNAL CKDS LOAD FAILURE - ERROR CODE *xx yy*

**Explanation:** A module attempted but failed to load the cryptographic key table (CKT). The module returns *xx* and *yy*, the return and reason codes for the error. An error was encountered when ICUMKM17 attempted to load the CUSP cryptographic key data set (CKDS) into an in-core tabular image of the file called the cryptographic key table (CKT).

**System Action:** Processing associated with creating the cryptographic key table (CKT) ends.

**Operator Response:** Respond according to the specific return and reason codes.

**Source:** Cryptographic Unit Support Program (CUSP)

Return Code	Reason Code	Description
4	20	Error closing the CUSP CKDS.
12	4	Error opening the CUSP CKDS.
	12	Unable to get storage for CKT (in subpool 231).
	16	Error occurred during VSAM GET on CUSP CKDS. If the error is a VSAM physical error, this message is preceded by message ICU020I. If the error is a VSAM logical error, this message is preceded by message ICU024I.
	28	Recovery environment could not be established in ICUMKM17.

---

### ICU061I CRYPTOGRAPHY FACILITY HAS BEEN TERMINATED

**Explanation:** An operator STOP command has successfully deactivated the Cryptographic Unit Support. All current sessions and all new sessions will fail.

**System Action:** System processing continues.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU062I INITIALIZATION OF CRYPTOGRAPHY FACILITY AND OPEN SYSCKDS SUCCESSFUL

**Explanation:** An operator START command has successfully initialized the Cryptographic Unit Support and has opened the cryptographic key data set defined by the SYSCKDS DD statement. Key verification must still be performed on the cryptographic unit(s) before all functions of the Cryptographic Unit Support are operational.

**System Action:** System processing continues.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU070I INTERNAL BUFFER BAD ON DEVICE *device-addr*

**Explanation:** The internal buffer of the cryptographic unit identified by *device-addr* is not functioning properly.

**System Action:** If at least one other cryptographic unit is available, processing continues. Otherwise, processing ends.

**Operator Response:** Contact hardware support. Notify the security administrator.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU071I I/O PROCESSING FAILED ON DEVICE *device-addr*

**Explanation:** The cryptographic unit, identified by *device-addr*, was unable to process input/output data because of a hardware error.

**System Action:** If another cryptographic unit is available, processing continues. Otherwise, processing ends.

**Operator Response:** Contact hardware support. Notify the security administrator.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU072I NO DEVICE PATH TO DEVICE *device-addr*

**Explanation:** There is no physical I/O path to the cryptographic unit identified by *device-addr*.

**System Action:** If another cryptographic unit is available, processing continues. Otherwise, processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Ensure that the cryptographic unit is physically online and logically online (by means of a VARY command) and that the cryptographic unit's physical key is locked. Then issue a MODIFY command to add this unit to the configuration of cryptographic units, or issue a START command after the Cryptographic Unit Support is stopped.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU073I      INTERNAL LINE BUFFER TEST  
UNABLE TO GETMAIN STORAGE**

**Explanation:** The test to determine if the internal buffer is functioning properly could not be performed because the routine could not obtain sufficient storage.

**System Action:** If another cryptographic unit is available, processing continues. Otherwise, processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Ensure that sufficient storage is available in subpool 252. Reissue the START command or rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU074I      UNABLE TO DYNAMICALLY  
ALLOCATE DEVICE *device-addr* CODE  
xxxx**

**Explanation:** Dynamic allocation failed with code xxxx while attempting to allocate or deallocate the cryptographic unit identified by *device-addr*.

**System Action:** If another cryptographic unit is available, processing continues. Otherwise, processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** See *z/OS MVS Programming: Authorized Assembler Services Guide* for the explanation of the error code. Correct the problem and reissue the START command or rerun the key generator utility.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU077I      DEVICE *device-addr* PREVIOUSLY  
ALLOCATED TO ANOTHER JOB OR  
TASK**

**Explanation:** The Cryptographic Unit Support attempted to allocate the cryptographic unit identified by *device-addr*, but the unit is allocated to another job or task in the system.

**System Action:** If another cryptographic unit is available, processing continues. Otherwise, processing ends.

**Operator Response:** Notify the system programmer and security administrator.

**System Programmer Response:** Ensure that all access to any cryptographic unit is controlled by the Cryptographic Unit Support to benefit from the authorization checks it performs to ensure the security of the cryptographic unit.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU078I      DEVICE *device-addr* UNAVAILABLE -  
OFFLINE AND IN USE BY A SYSTEM  
COMPONENT**

**Explanation:** The Cryptographic Unit Support attempted to allocate the cryptographic unit identified by *device-addr*, but the unit was designated as not allocatable (UCBNALOC=ON).

**System Action:** If another cryptographic unit is available, processing continues. Otherwise, processing ends.

**Operator Response:** Notify the system programmer and security administrator.

**System Programmer Response:** Ensure that all access to any cryptographic unit is controlled by the Cryptographic Unit Support to benefit from the authorization checks it performs to ensure the security of the cryptographic unit.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU080I      I/O INITIALIZATION UNABLE TO  
ESTABLISH ESTAE CODE xxx**

**Explanation:** The Cryptographic Unit Support I/O initialization routine, invoked by the operator START command or the key generator utility program, was unable to establish a recovery environment. The return code from ESTAE processing is specified by xxx. See *z/OS MVS Programming: Assembler Services Reference ABE-HSP* for further information.

**System Action:** The Cryptographic Unit Support I/O initialization or key generator utility ends.

**Operator Response:** If the code is 4, reissue the operator START command or rerun the key generator utility program. For all other codes, contact your system programmer. When the problem is corrected, reissue the START command or rerun the key generator.

**Application Programmer Response:** If the code is 4, rerun the key generator utility program. For all other codes, contact your system programmer. When the problem is corrected, reissue the START command or rerun the key generator.

## ICU081I • ICU100I

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU081I I/O INITIALIZATION UNABLE TO GETMAIN SP227 STORAGE

**Explanation:** The Cryptographic Unit Support I/O initialization routine, invoked by the operator START command or the key generator utility program, was unable to obtain sufficient storage from subpool 227.

**System Action:** START command or key generator utility program processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Ensure that sufficient storage is available in subpool 227. Reissue the START command or rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU082I NO 3848 CRYPTOGRAPHIC UNITS SYSGENED INTO ELIGIBLE DEVICE TABLE

**Explanation:** No entries with UNITNAME=3848 were found in the eligible device table. An entry with UNITNAME=3848 must exist for each cryptographic unit defined in the configuration, and at least one such entry must exist for successful initialization of the Cryptographic Unit Support.

**System Action:** START command or key generator utility processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Ensure that at least one cryptographic unit is defined during system generation. Reissue the START command or rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU084I IEFAB4UV UNABLE TO GETMAIN SP230 STORAGE

**Explanation:** The allocation unit verification routine (IEFAB4UV) that is used by the I/O initialization routine, invoked by the operator START command or the key generator utility program, was unable to obtain sufficient storage from subpool 230.

**System Action:** START command or key generator utility processing ends.

**Operator Response:** Notify the system programmer. When the problem is corrected, issue the START command again.

**Application Programmer Response:** Notify the system programmer. When the problem is corrected, run the key generator utility program again.

**System Programmer Response:** Ensure that sufficient storage is available in subpool 230.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU085I NO CRYPTOGRAPHIC UNITS AVAILABLE

**Explanation:** All cryptographic units failed with one of the following errors:

- Key verification test failed
- Internal buffer test failed
- Sufficient storage to perform the internal buffer test could not be obtained.
- The cryptographic unit could not be opened.

One or more messages that explain the error precede this message.

**System Action:** START command or key generator processing ends.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Respond to the problem described by the preceding message.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU100I WEAK KEY SPECIFIED

**Explanation:** A weak clear key value was specified on a LOCAL, LOCAL-GROUP, REMOTE, or CROSS control statement for the key generator utility program. The control statement containing the weak key precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Supply a new clear key value on the control statement or remove the KEY parameter completely to let the key generator utility program generate a clear key value. See *z/OS DFSMS: Using Data Sets* for a description of weak key values. Rerun the utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement as input.

**Source:** Cryptographic Unit Support Program (CUSP)



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**ICU1002      INVALID VERB**

**Explanation:** A verb specified on a control statement for the key generator utility program was not valid. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Correct the verb on the control statement. The valid verbs are LOCAL, LOCAL-GROUP, REMOTE, CROSS, EXTRA-LOCAL, EXTRA-REMOTE, EXTRA-CROSS, REASGN, and INSTDAT. The verb must be preceded and followed by a blank. Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement as input.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1003      SYNTAX ERROR IN KEY**

**Explanation:** An incorrect clear key value was specified on a LOCAL, LOCAL-GROUP, REMOTE, or CROSS control statement for the key generator utility program. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Supply a valid clear key value on the control statement. A valid value consists of 16 hexadecimal digits. (Valid hexadecimal digits are 0 through 9 and A through F.) Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement as input.

**Source:** Cryptographic Unit Support Program (CUSP)

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**ICU1004      SYNTAX ERROR IN LABEL**

**Explanation:** An incorrect label was specified on a LOCAL, LOCAL-GROUP, REMOTE, CROSS, or REASGN control statement for the key generator utility program. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Supply a valid label on the control statement. A valid label consists of 1 to 8 alphameric characters. Valid alphameric characters are A through Z and 0 through 9. Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement as input.

**Source:** Cryptographic Unit Support Program (CUSP)

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**ICU1005      INVALID OR REDUNDANT KEYWORD SPECIFIED**

**Explanation:** An incorrect or redundant keyword parameter was specified on a LOCAL, LOCAL-GROUP, REMOTE, CROSS, or REASGN control statement for the key generator utility program. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Correct the keyword parameter or remove the redundant keyword parameter on the control statement. Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement.

**Source:** Cryptographic Unit Support Program (CUSP)

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**ICU1006      INVALID VALUE SPECIFIED ON EXTRA STATEMENT**

**Explanation:** One of the following conditions was encountered on an EXTRA-LOCAL, EXTRA-CROSS, or EXTRA-REMOTE control statement for the key generator utility program:

- The first through fourth characters of the value for label-base were not alphameric.
- The fifth through eighth characters of the value for label-base were not numeric.
- An incorrect number of additional keys was requested.

The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** If the alphameric portion of the label-base is incorrect, supply a valid value on the control statement. A valid value consists of 4 alphameric characters. Valid alphameric characters are A through Z and 0 through 9.

Otherwise, correct the numerical portion of the label-base and/or the number of additional keys requested on the control statement. The sum of these two values must not exceed 9999.

Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement.

**Source:** Cryptographic Unit Support Program (CUSP)

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**ICU1007      STATEMENT REJECTED BY  
                  INSTALLATION EXIT**

**Explanation:** A control statement was rejected by the key generator utility program installation exit routine. The rejected control statement precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Follow local procedures for errors detected by the key generator utility program installation exit routine. Correct the error and, if necessary, rerun the utility program. Specify the CHGK function on the EXEC statement and provide the corrected control statement.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1008      REQUIRED PARAMETER  
                  INFORMATION MISSING**

**Explanation:** The key generator utility program found that the value for the SETM, CHGM, or SEED parameter on the EXEC statement is missing.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Supply the missing value in the PARM field of the EXEC statement and rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1009      DUPLICATE LABEL; KEY NOT ADDED**

**Explanation:** A user requested the key generator utility program to add a label and its associated secondary key-encrypting key to the cryptographic key data set (CKDS), but the specified label was already defined in the CKDS. The rejected control statement precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Assign a unique label to the key and rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement.

**Source:** Cryptographic Unit Support Program (CUSP)

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**ICU1010      LABEL NOT FOUND; NOT  
                  PROCESSED**

**Explanation:** A user requested the key generator utility program to update a secondary key-encrypting key or to delete a label and its associated key from the cryptographic key data set (CKDS), but the specified

label was not defined in the CKDS. The rejected control statement precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Supply the correct label and rerun the key generator utility program, specifying the CHGK function on the EXEC statement.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1011      synad I/O error message from VSAM**

**Explanation:** A physical I/O error occurred when the key generator utility program attempted to access the SYSCKDS or SYSNCKDS data set.

**System Action:** Key generator utility processing ends.

**System Programmer Response:** See the explanation of the accompanying VSAM physical I/O error message in your VSAM macro instruction book. If the volume caused the error, use a backup copy of the CKDS on a different volume. (If you do not want to re-IPL the system, ensure that the new copy of the CKDS uses the same host master key as the old copy.) If the device caused the error, move the volume containing the CKDS to an alternate device.

Rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICU010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1012      PROCESSING TERMINATES DUE TO  
                  INSTALLATION EXIT REQUEST**

**Explanation:** The key generator utility program stops processing at the request of the installation exit routine. If the problem occurred while the utility program was processing a change to the host master key, the contents of the PARM field of the EXEC statement precede this message. If the problem occurred while the utility program was processing a SYSIN control statement, the control statement precedes this message.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Follow local procedures.

**Source:** Cryptographic Unit Support Program (CUSP)

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**ICU1013      PROCESSING ENDED DUE TO ESTAE  
OR STAE RETURN CODE *xxx***

**Explanation:** The key generator utility program attempted to use the ESTAE system service, but the error code *xxx* was returned.

**System Action:** Key generator utility processing ends. No control statements are processed.

**Application Programmer Response:** If the code is 14, run the key generator utility program again. For all other codes, contact your system programmer. When the problem is corrected, run the key generator utility program again.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1014      SYSIN DATA SET EMPTY; NO  
PROCESSING OCCURRED**

**Explanation:** The CHGK function of the key generator utility program was requested but no control statements could be found.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Add the desired control statements to the SYSIN data set and rerun the key generator utility program.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1015      UNABLE TO [OPEN | CLOSE ] *ddname*  
[CODE *rc*]**

**Explanation:** The key generator utility program was unable to open or close the data set defined by the DD statement identified by *ddname*.

If the data set is a VSAM data set (SYSCKDS or SYSNCKDS), the VSAM return code *rc* is included to help identify the error. For the explanation of the return code, see the description of the VSAM macro. This message is accompanied by a VSAM error message that further identifies the problem.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** If the problem occurred while trying to open a data set, check the JCL. Be sure the required DD statements were included, that they have the correct *ddnames*, and that they define the correct data sets. The following *ddnames* are valid: SYSCKDS, SYSNCKDS, SYSIN, and SYSMKDS.

**Note:** An open failure can also occur if the SYSCKDS or SYSNCKDS data set was defined without the proper parameters on the access method services DEFINE CLUSTER command.

Correct the problem and rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set, (message ICU010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1017      CRYPTOGRAPHY STARTED; INVALID  
KEY GENERATOR REQUEST**

**Explanation:** The key generator utility program was unable to run because the Cryptographic Unit Support was active.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** When the Cryptographic Unit Support is stopped and there are no cryptographic sessions or jobs running in the system, rerun the key generator utility program to change the host master key. Restart the Cryptographic Unit Support by entering an operator START command.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1018      KEY GENERATION NOT ALLOWED -  
*text***

*text* is  
**TOD CLOCK ERROR  
SEED NOT SUPPLIED**

**Explanation:** An error was encountered when the key generator utility program attempted to read the time-of-day (TOD) clock, the TOD clock was inoperative, or a seed value was not supplied on the EXEC statement. Processing continues; however, no keys can be generated.

**System Action:** Key generator utility processing continues.

**Application Programmer Response:** If the problem involves the TOD clock, contact your service representative. If a seed value was not supplied, ignore this message unless message ICU1025 also appears. If message ICU1025 appears, see the description of message ICU1025.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1019      CRYPTOGRAPHY SYSTEM MASTER  
KEY HAS BEEN SET**

**Explanation:** The key generator utility program has successfully set the host master key. If there are any control statements requesting updates to the secondary

## ICU1020 • ICU1025

key-encrypting keys, they are processed at this time.

**System Action:** Key generator utility processing continues.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1020 INVALID KEYWORD SPECIFIED IN PARM FIELD

**Explanation:** A keyword parameter specified in the PARM field of the EXEC statement for the key generator utility program was not valid.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Supply a valid keyword parameter in the PARM field. The valid keyword parameters are SETM, CHGM, CHGK, and SEED. Rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1021 WEAK SYSTEM MASTER KEY SPECIFIED

**Explanation:** A weak value for the new host master key was specified in the PARM field of the EXEC statement for the key generator utility program.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Supply a new host master key value and its complement in the PARM field of the EXEC statement. See *z/OS DFSMS: Using Data Sets* for a description of weak key values. Rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1023 INVALID RETURN CODE FROM INSTALLATION EXIT; PROCESSING TERMINATES

**Explanation:** A return code provided by the key generator utility program installation exit was not valid. If the problem occurred while the key generator utility program was processing a change to the host master key, the contents of the PARM field of the EXEC statement precede this message. If the problem occurred while the utility program was processing a SYSIN control statement, the control statement precedes this message.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Check the installation exit routine to determine if there are any problems in the module and make any necessary corrections. Link edit the key generator utility program

with the corrected exit routine. (See *z/OS DFSMS: Using Data Sets*.) Rerun the key generator utility program as follows. Rerun the entire job if the SETM or CHGM function was requested and the host master key was not set (the contents of the PARM field precede this message).

Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1024 REQUIRED OPERAND[S] MISSING; STATEMENT IGNORED

**Explanation:** While scanning a SYSIN control statement, the key generator utility program could not find one or more required parameters. LOCAL, LOCAL-GROUP, REMOTE, and CROSS control statements require a label. EXTRA-LOCAL, EXTRA-REMOTE, and EXTRA-CROSS control statements require a number and a label-base. The REASGN control statement requires an existing label and a new label. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Correct the control statement. Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1025 REQUIRED INPUTS FOR KEY GENERATION NOT AVAILABLE

**Explanation:** The key generator utility program attempted to generate a key for a control statement and either a problem occurred with the time-of-day (TOD) clock or a valid seed value was not supplied on the EXEC statement. Message ICU1018, which identifies the specific problem, and the control statement being processed when the problem occurred, precede this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

- If message ICU1018 stated that there is a problem involving the TOD clock, contact your service representative.
- If message ICU1018 stated that a seed value was supplied, add a seed value to the EXEC statement.



Rerun the key generator utility program specifying the CHGK function on the EXEC statement and providing the control statement that was being processed when the problem occurred.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1030      INVALID SMF DATA LENGTH FROM  
INSTALLATION EXIT; PROCESSING  
TERMINATES**

**Explanation:** The key generator installation exit routine returned the SMF buffer with a value greater than 64 in the length field.

**System Action:** The key generator utility program does not include the installation-defined data in the SMF record. The program writes the SMF record to the SMF data set and stops processing.

**Application Programmer Response:** Check the installation exit routine to determine if there are any problems in the module and make any necessary corrections. Link edit the key generator utility program with the corrected exit routine. See *z/OS DFSMS: Using Data Sets* Rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICU010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements. Notify the security administrator.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1031      INVALID DELIMITER IN PARM FIELD**

**Explanation:** While scanning the PARM field of the EXEC statement, the key generator utility program did not find an expected delimiter or encountered an unexpected delimiter.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** The valid delimiters are comma, right and left parentheses, and blank. Correct the error and rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1032      CRYPTOGRAPHY EMK FUNCTION  
FAILED - CODE xx**

**Explanation:** An error occurred during the processing of an EMK macro instruction issued by the key generator utility program. In the message text, xx is the error return code from the EMK macro. The values of xx

and their explanations are as follows:

Code	Explanation
4	The Cryptographic Unit Support has not been initialized.
8	An incorrect operation was requested; the macro was not EMK.
12	An ESTAE recovery environment could not be established or an unrecoverable I/O error occurred.
32	The address of the clear key-encrypting key or the address of the enciphered key-encrypting key was specified as zero.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Contact your programming support personnel. When the problem has been corrected, rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set, (message ICU010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1033      CRYPTOGRAPHY CIPHER FUNCTION  
FAILED - CODE xx**

**Explanation:** An error occurred during the processing of a CIPHER macro instruction issued by the key generator utility program. In the message text, xx is the error return code from the macro. The values of xx and their explanations are as follows:

Code	Explanation
4	The Cryptographic Unit Support has not been initialized. The data could not be enciphered or deciphered.
8	An incorrect operation was requested; the macro was not CIPHER.
12	An ESTAE recovery environment could not be established or an unrecoverable I/O error occurred.
16	The length of the data to be enciphered or deciphered was specified as zero or as a negative number, or exceeded the maximum specified in the installation options module.
20	The BRANCH=YES parameter was specified, but the program issuing the macro is not running in supervisor state.

## ICU1034 • ICU1038

- 32** The address of the clear data or the enciphered data was specified as zero.
- 40** A retry of the CIPHER request was required but could not be performed because the input area and output area overlapped.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Contact your programming support personnel. When the problem has been corrected, rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICU010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1034 CRYPTOGRAPHY KEY TRANSLATION FAILED - CODE xx

**Explanation:** An error has occurred during key translation processing. The translation was requested by the key generator utility program. In the message text, xx is the error return code from the key translation process. The values of xx and their explanations are as follows:

Code	Explanation
4	The Cryptographic Unit Support has not been initialized.
8	The operation requested was not valid.
12	An ESTAE recovery environment could not be established or an unrecoverable I/O error occurred.
24	Bad parity was detected in the local, remote, or cross key.
28	The program requesting the key translation function is not APF-authorized or in supervisor state or running under storage protect key 0 through 7.
32	The address of the enciphered data-encrypting key or the address of the enciphered key-encrypting key was specified as zero.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Contact your programming support personnel. When the problem has been corrected, rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICU010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control

statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1035 synad message for non-VSAM

**Explanation:** An I/O error occurred while the key generator utility program was processing the non-VSAM data set defined by the SYSMKDS or SYSIN DD statement. The format and explanation of the message is in the description of the SYNADAF macro in your VSAM macro instruction book.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** See *z/OS DFSMS Macro Instructions for Data Sets* for the explanation of the message. Correct the problem and rerun the key generator utility program as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICU010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

Notify the security administrator.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1036 CKDS ENTRY SUCCESSFULLY DELETED

**Explanation:** The key generator utility program has successfully deleted an entry from the cryptographic key data set (CKDS). The control statement that was processed precedes this message.

**System Action:** Processing continues.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1038 NO CRYPTOGRAPHIC UNITS ARE AVAILABLE WITH A VERIFIED KEY

**Explanation:** The key generator has determined that either key verification has not completed successfully for any of the cryptographic units that are online or that key verification has completed successfully for a cryptographic unit but the master key in the cryptographic unit has been changed.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Notify the security administrator. Determine if message ICU050I, ICU051I, ICU052I, ICU053I, ICU054I, or ICU055I was

issued; if so, refer to that message for the appropriate response and rerun the job. If not, then the cryptographic unit was tampered with while the key generator was running. Ensure that the master key in the cryptographic unit is properly installed. Then rerun the key generator as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICU010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1039 LABEL IS A RESERVED KEY WORD**

**Explanation:** The label supplied for a cryptographic key data set (CKDS) entry is not valid. The following key words cannot be used for labels: LOCAL, REMOTE, CROSS, REASGN, ADD, UPDATE, DELETE, KEY, IKEY, KEYLOC, IKEYLOC, KEYREM, IKEYREM. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Correct the label on the control statement. Rerun the key generator utility program, specifying the CHGK function on the EXEC statement providing the corrected control statement.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1040 LOCAL-GROUP STATEMENT CONTAINS TOO MANY LABELS**

**Explanation:** The maximum number of labels that can be specified on a LOCAL-GROUP control statement is 64. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Rerun the key generator utility program, specifying the CHGK function on the EXEC statement. Provide more than one LOCAL-GROUP control statement as necessary so that each does not specify more than 64 labels.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1041 CONTINUATION CARD EXPECTED AND NOT FOUND**

**Explanation:** A LOCAL-GROUP or CROSS control statement was expected to continue (that is, it ended with a comma) but did not. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Correct the format of the control statement or add the continuation card. Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1042 INVALID CHANGE REQUESTED**

**Explanation:** A control statement requests a change to an entry in the cryptographic key data set (CKDS); however, the change conflicts with the existing entry. For a REASGN control statement, if the new label already exists on the CKDS, it must contain the same type of key-encrypting key as the existing label entry. For a LOCAL, REMOTE, or CROSS control statement, the updated or deleted entry must have the same type of key-encrypting key as the old CKDS entry. That is, to update or delete a local key, use a LOCAL control statement; to update or delete a remote key, use a REMOTE control statement; and to update or delete cross keys, use a CROSS control statement. The control statement containing the error precedes this message.

**System Action:** Processing ends for this control statement. Processing continues for any other control statements.

**Application Programmer Response:** Correct the control statement in error. Rerun the key generator utility program, specifying the CHGK function on the EXEC statement and providing the corrected control statement.

**Source:** Cryptographic Unit Support Program (CUSP)

---

**ICU1043 CKDS RECORD WITH VERIFICATION PATTERNS NOT FOUND**

**Explanation:** The key generator has searched the cryptographic key data set (CKDS) and cannot locate the records that contain the verification patterns. (These verification patterns are derived when the CKDS is created and are used in the key verification procedure.) The records are expected to have labels of X'DACBEDFCEDCCFEE1' and X'DACBEDFCEDCCFEE2'.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Notify the



## ICU1044 • ICU1047

security administrator. The CKDS is probably not usable. If a back-up copy of the CKDS is available, use it; otherwise, the CKDS must be recreated.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1044 THE ATTACH OF TASK ICUMKG04 FAILED WITH CODE *xx*

**Explanation:** An error occurred when the key generator issued the ATTACH macro instruction for ICUMKG04. The module could not be found in SYS1.LINKLIB. This module is invoked when the key generator has determined that the cryptographic unit has been tampered with. ICUMKG04 will try to locate another cryptographic unit that is available to the Cryptographic Unit Support.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Notify the security administrator. Ensure that the module ICUMKG04 is properly loaded in SYS1.LINKLIB and rerun the key generator utility.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1045 INSUFFICIENT SPACE ON *ddname*

**Explanation:** The key generator utility program could not complete a request to build or update the data set defined in the message by *ddname* because there is insufficient space on the target data set.

If the problem occurred while the utility program was processing a change to the host master key, the contents of the PARM field of the EXEC statement precede this message. If the problem occurred while the utility program was processing a SYSIN control statement, the control statement precedes this message.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Notify your system programmer.

**System Programmer Response:** If the SETM or CHGM function was requested and the host system master key was not set (the contents of the PARM field precede this message), define a larger target data set for the CKDS and rerun the entire job. Otherwise, the key generator utility program failed while processing a SYSIN control statement and one of the following must be done.

- Reorganize the target CKDS to force more efficient space utilization.

- Define a larger data set for use as the new target CKDS and copy the contents of the original target CKDS to the larger data set.

Then, use this listing to determine which control statements were processed successfully and rerun the key generator utility program using the CHGK option to process the remaining control statements.

For information on defining and reorganizing the CKDS, see *z/OS DFSMS Access Method Services* The commands needed to define, reorganize, and copy the data set are described in *z/OS DFSMS Access Method Services* and *z/OS DFSMS Macro Instructions for Data Sets*.

Notify the security administrator.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1046 INVALID SYNTAX FOR {OLD MASTER KEY | NEW MASTER KEY | SEED}

**Explanation:** An incorrect value for the SETM, CHGM, or SEED parameter was found in the PARM field of the EXEC statement for the key generator utility program.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Correct the value in the PARM field of the EXEC statement. A valid value consists of 16 hexadecimal digits. (Valid hexadecimal digits are 0 through 9 and A through F.) Rerun the key generator utility program.

**Source:** Cryptographic Unit Support Program (CUSP)

---

### ICU1047 UNEXPECTED VSAM ERROR ON *ddname* CODE *rc* [FDBK *code*]

**Explanation:** An error occurred when the key generator utility program attempted to read from or write to the data set identified by *ddname* in the message. In the message, *rc* is the return code that identifies the error. If *rc* identifies a logical error, then **FDBK code** indicates the specific logical error that has occurred.

**System Action:** Key generator utility processing ends.

**System Programmer Response:** For an explanation of the return code and feedback code, see the description of the VSAM macro. Correct the problem and rerun the utility program as follows. If the SETM or CHGM function was requested and the host master key was not set (message ICU010I was not issued), rerun the entire job. Otherwise, use this listing to determine which control statements were processed successfully. Then rerun the utility program using the CHGK function to process the remaining control statements. Notify the security administrator.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)

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**ICU1048      INCORRECT VALUE SPECIFIED ON  
PARM CARD FOR OLD SYSTEM  
MASTER KEY**

**Explanation:** When attempting to change the host master key (CHGM), the key generator utility encountered an incorrect old host master key value in the PARM field on the EXEC statement.

**System Action:** Key generator utility processing ends.

**Application Programmer Response:** Correct the value of the old host master key in the EXEC statement and rerun the key generator utility program.

To ensure that you have all the messages issued for this problem, specify MSGLEVEL=(1,1) for the job.

**Source:** Cryptographic Unit Support Program (CUSP)



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## Chapter 8. IDA Messages

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### IDA001      **INVALID POSITIONAL PARAMETER, prm - IGNORED**

**Explanation:** The specified positional parameter is not valid.

In the message text:

*prm*      Indicates the specified positional parameter.

**System Action:** The system ignores the positional parameter. The system expands the macro normally.

**Application Programmer Response:** This is probably an error in the calling program. Correct the positional parameter. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDAMDVRP

---

### IDA002      *keyword* **KEYWORD REQUIRED - NOT SPECIFIED**

**Explanation:** The caller omitted a required keyword.

In the message text:

*keyword*  
      The keyword.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** This is probably an error in the calling program. Provide the required keyword and value. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdfp

---

### IDA003      **INVALID VALUE, *value*, SPECIFIED FOR *keyword* KEYWORD**

**Explanation:** The value specified for the indicated keyword was incorrect.

In the message text:

*value*      The specified value.

*keyword*  
      The keyword.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** This is probably an error in the calling program. Correct the erroneous value. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input associated with the job.

**Source:** DFSMSdfp

**Detecting Module:** IDAMDVRP

---

### IDA004      *keyword* **KEYWORD NOT VALID FOR EXECUTE FORM - IGNORED**

**Explanation:** The indicated keyword is not valid for the execute form of the macro.

In the message text:

*keyword*  
      The keyword.

**System Action:** The system ignores the keyword. The system expands the macro normally.

**Application Programmer Response:** This is probably an error in the calling program. Remove the keyword from the execute form of the macro. Specify the keyword on the list form, which is referred to by the execute form.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input associated with the job.

**Source:** DFSMSdfp

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### IDA005      **INVALID OR DUPLICATE SUBLIST ITEM FOR *keyword* KEYWORD, xxx**

**Explanation:** The specified sublist item is not valid or is duplicated for the keyword.

In the message text:

*keyword*  
      The keyword.

xxx      The name of the sublist item.

## IDA006 • IDA010

**System Action:** The system does not expand the macro.

**Application Programmer Response:** This is probably an error in the calling program. Correct the sublist item. Resubmit the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdfp

---

### IDA006      *keyword* **VALUE, value, NOT VALID FOR LIST FORM**

**Explanation:** The specified value for the keyword is not valid for the list form of the macro.

In the message text:

*keyword*  
The keyword.

*value*      The specified value.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** This is probably an error in the calling program. Correct the erroneous value. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdfp

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### IDA007      **LOGIC ERROR IN MACRO** *mac*

**Explanation:** The system detected a logic error in the macro.

In the message text:

*mac*      The name of the macro.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** Determine where the error occurs in the macro. Correct the error. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdfp

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### IDA008      **INCOMPATIBLE SUBLIST ITEMS. xxx AND yyy, FOR keyword KEYWORD**

**Explanation:** The sublist items specified for the keyword are incompatible.

In the message text:

*xxx*

*yyy*      The specified sublist names.

*keyword*  
The keyword.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** Remove one of the incompatible sublist items. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdfp

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### IDA009      *nnn* **CONTROL BLOCK KEYWORDS SPECIFIED - ONLY ONE ALLOWED**

**Explanation:** The caller specified more than one control block for a TESTCB macro. This is an error.

In the message text:

*nnn*      The number of control block keywords specified.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** Remove all but one of the control block keywords. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdfp

---

### IDA010      **EXIT ADDRESS REQUIRED FOR keyword KEYWORD - NOT SPECIFIED**

**Explanation:** An exit address required for the keyword was not specified.

In the message text:

*keyword*  
The keyword.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** Supply the required exit address. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdftp

**IDA011**      *keyword* **IS NOT A VALID xxx**  
**KEYWORD - IGNORED**

**Explanation:** The specified keyword is not valid for the control block.

In the message text:

*keyword*

The keyword.

xxx      The control block.

**System Action:** The system ignores the incorrect keyword. The system expands the macro normally.

**Application Programmer Response:** Remove the incorrect keyword. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdftp

**IDA018**      **VTAM KEYWORD, *keyword*, SPECIFIED WITHOUT SPECIFYING AM=VTAM**

**Explanation:** The specified VTAM keyword is not valid because AM=VTAM was not specified.

In the message text:

*keyword*

The keyword.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** Either remove the incorrect keyword or specify AM=VTAM. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdftp

**IDA019**      **KEYWORDS *keyword1* AND *keywd2* ARE INCOMPATIBLE**

**Explanation:** The indicated keywords cannot be specified together.

In the message text:

*keyword1*

*keyword2*

The specified keywords.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** Correct the error by specifying compatible keywords. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdftp

**Detecting Module:** IDA0192V

**IDA020**      **VTAM SUBLIST ITEM, *xxx*, SPECIFIED FOR *keyword* KEYWORD WITHOUT SPECIFYING AM=VTAM**

**Explanation:** The VTAM sublist item specified for the keyword is not valid because AM=VTAM was not specified.

In the message text:

xxx      The specified sublist item.

*keyword*

The keyword.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** Specify AM=VTAM. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdftp

**Detecting Module:** IDA0200T

---

**IDA021**     *keyword1* **AND** *keywd2* **KEYWORDS  
MUST BE SPECIFIED TOGETHER BUT  
ONE IS MISSING**

**Explanation:** The keywords specified in the message text form a pair. One cannot be specified without the other.

In the message text:

*keyword1*

*keyword2*

The keywords.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** Supply the missing keyword or remove the one specified. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdfp

---

**IDA022**     **CONFLICTING SUBLIST ITEMS WERE  
SPECIFIED FOR** *keyword* **KEYWORD**

**Explanation:** The keyword was specified with conflicting sublist items.

In the message text:

*keyword*

The keyword.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** Correct the sublist item or items that are in conflict. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdfp

---

**IDA024**     *keyword*, **A VSAM KEYWORD  
SPECIFIED FOR A NON-VSAM  
CONTROL BLOCK**

**Explanation:** The specified keyword is a VSAM keyword, but it is being specified for a non-VSAM control block.

In the message text:

*keyword*

The keyword.

**System Action:** The system does not expand the macro.

**Application Programmer Response:** Correct the error by specifying a non-VSAM keyword. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdfp

---

**IDA025**     *www*, *xxx*, *yyy* **CONFLICTING  
SUBPARAMETERS IN** *keyword*  
**KEYWORD,** *www* **ASSUMED**

**Explanation:** More than one subparameter was specified for the indicated keyword. This is an error.

In the message text:

*www*

*xxx*

*yyy*     The specified subparameters.

*keyword*

The keyword.

**System Action:** The system expands the macro using *www* as the default.

**Application Programmer Response:** Specify one of the conflicting subparameters for the keyword. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the program listing, the assembly listing, and the source input for the job.

**Source:** DFSMSdfp

---

**IDA026**     *keyword1* **CONFLICTS WITH** *keywd2*.  
*keywd1* **IGNORED.**

**Explanation:** The meaning of the first keyword specified either conflicts with or repeats the meaning of the second keyword specified.

In the message text:

*keyword1*

*keyword2*

The specified keywords.



**System Action:** The macro expands, using *keyword2*.

**Application Programmer Response:** Remove one of the keywords from the macro. Run the job again.

**Source:** DFSMSdfp

---

**IDA027**      **ALL FOUR PARAMETERS:** *keyword1*,  
*keywd2*, *keywd3*, **AND** *keywd4* **MUST BE**  
**SPECIFIED.**

**Explanation:** The indicated keywords must be specified in the macro.

**System Action:** The request ends unsuccessfully.

**Application Programmer Response:** Probable user error. All of the listed keywords must be specified. Check the spelling.

**Source:** DFSMSdfp

**Detecting Module:** IDAMDVRP



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## Chapter 9. IDC Messages

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### IDC0001I      FUNCTION COMPLETED, HIGHEST CONDITION CODE WAS *cde*

**Explanation:** The system issues this message upon completion of any functional command. If an error has occurred, the condition code is not 0. If an error has occurred, it will be indicated by error messages that precede the completion message.

In the message text:

*cde*      The highest condition code of the completed function.

**System Action:** The system sets the last condition code (LASTCC) to *cde*. The system sets the maximum condition code (MAXCC) if *cde* is greater than the current MAXCC value.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01, IDCBIO1, IDCCC01, IDCDE01, IDCDL01, IDCLC01, IDCLR01, IDCMP01, IDCPM01, IDCPR01, IDCRC01, IDCRM01, IDCRP01, IDCRS01, IDCVY01, IDCXP01

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### IDC0002I      IDCAMS PROCESSING COMPLETE. MAXIMUM CONDITION CODE WAS *cde*

**Explanation:** The system issues this message at the completion of the job. If an error occurred, the condition code is not 0.

In the message text:

*cde*      The highest condition code of the completed job.

**System Action:** The system places the highest condition code (MAXCC) set during the step in register 15.

**Source:** DFSMSdfp

---

### IDC0005I      NUMBER OF RECORDS PROCESSED WAS *nnn*

**Explanation:** The system issues this message to indicate the number of records processed by the job.

In the message text:

*nnn*      Depending on the command, *nnn* indicates the following:

- For the catalog reload function of the REPRO command, the number of records read from the input data set.
- For EXPORT and all other REPRO and PRINT commands, the number of records written to the output data set. If input records were selectively processed, the number includes only those actually written

to the output data set. If the Access Method Services Cryptographic Option Program Product is installed and the ENCIPHER parameter of the REPRO command was used, then the number includes one or more header records.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCPR01

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### IDC0014I      LASTCC=*cde*

**Explanation:** The system issues this message when a nonzero condition code is returned by any functional command upon its completion. If the condition code is greater than 0, error messages precede this message.

In the message text:

*cde*      The condition code, as follows:

- |    |                                                         |
|----|---------------------------------------------------------|
| 4  | Attention message. The system will complete processing. |
| 8  | Serious error. The system completed processing.         |
| 12 | Abnormal error. The system abnormally ends the command. |

**System Action:** The system either completes or abnormally ends processing depending on the condition code.

**Application Programmer Response:** Determine the cause of the error. Correct the error. Run the job again.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01, IDCBIO1, IDCCC01, IDCDE01, IDCDL01, IDCLC01, IDCMP01, IDCRM01, IDCRS05, IDCVY01, IDCXP01

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### IDC0018I      MAXIMUM NUMBER OF CVOL ENTRIES EXCEEDED

**Explanation:** Only 1455 CVOL entries may be referenced.

**System Action:** JOB COMPLETES

**User Response:** None

**Operator Response:** None

**Application Programmer Response:** None

**System Programmer Response:** None

**Source:** IDCAMS

**Detecting Module:** IDCSA02

**IDC0038I    IDC0038I COMPRESSION INTERFACE  
USED, DATA TRANSFER COMPLETE.**

**Explanation:** This message may be issued after doing a REPRO of a compressed data set to another compressed data set and no decompress conditions were met.

**Source:** IDCAMS

**Detecting Module:** IDCRP01

**IDC0061I    CARTRIDGE *csn* EJECTED**

**Explanation:** Either a scratch cartridge or an old or defective data cartridge was ejected from the Mass Storage Facility.

In the message text:

*csn*        The cartridge.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**IDC0063I    CARTRIDGE LABELS AND INVENTORY  
RECORD RESTORED**

**Explanation:** The system restored the cartridge labels and Inventory data set to original status after an error had been encountered while relabeling a Mass Storage Volume.

**System Action:** The command continues processing.

**Application Programmer Response:** Take the following action for the command that failed:

- If a rename operation failed for ADDV and if the volume is inactive, run ADDV to back out or retry the rename operation. If the volume is active, run MODIFYV or STOREV to either back out or retry the rename operation.

If the ADDV, MODIFYV, or STOREV commands are run to recover from a rename failure, specify a DD statement for the volume with deferred mounting.

The values specified for the VOLUME and NEWSERIAL parameters depend upon how the volume record is recorded in the Inventory data set. If the cartridge labels have been updated, the volume record will be identified by the new volume serial number, as follows:

- For the VOLUME parameter, specify the volume serial number as recorded in the cartridge labels and the volume record.
- For the NEWSERIAL parameter, specify the desired volume serial number. Note that the security check for non-VSAM status and password protected data sets is bypassed only if the NEWSERIAL parameter specifies the same volume serial number as recorded in the Inventory data set for the volume label.

If ADDV, MODIFYV, or STOREV abnormally ends without indicating the status of the rename operation, run LISTMSVI to determine if the volume is flagged for recovery purposes. If the mismatch flag is set in the volume record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a rename operation failed for the preceding volume and that the serial number is recorded in the volume label of the volume.

- If a rename operation failed for MODIFYV, recover from a MODIFYV rename failure by:
  - If the volume is inactive and has no volume serial mismatch condition, run ADDV to activate the volume.
  - If the volume is inactive and has a volume serial mismatch condition, run ADDV to activate the volume and to complete the rename operation.
  - If the volume is active and has a mismatch condition, run MODIFYV to complete or retry the rename operation.
  - If the volume is active and a duplicate volume serial number is desired, run STOREV to complete or retry the rename operation.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the job control language (JCL), the SYSOUT output, and all output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCMV01

**IDC0064I    *text* UPDATED IN CARTRIDGE LABELS  
AND INVENTORY RECORD**

**Explanation:** *text* is one of the following:

SERIAL  
OWNER  
SERIAL, OWNER

The volume serial number, the owner name, or both was updated in the label of the data cartridges assigned to the Mass Storage Volume and in the volume record in the Inventory data set. However, the data may not yet be updated in the software volume label.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCMV01, IDCSR01

---

**IDC0068I     *nnn* BACKUP COPIES EXIST BEYOND  
MAXIMUM BACKUP**

**Explanation:** The number of backup copies exceeds the backup number specified through the use of the CREATEV or MODIFYV command.

In the message text:

*nnn*     The number of backup copies that exceed the maximum.

**System Action:** The command continues processing.

**Application Programmer Response:** The excess backup copies are scratched by:

- The next COPYV command processed to create a new backup copy. The oldest backup copies will be scratched.
- Specify the SCRATCHV command for each backup copy to be scratched.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01, IDCMV01

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**IDC0073I     VOLUME ATTRIBUTES CHANGED TO  
AGREE WITH GROUP *grpname***

**Explanation:** The attributes of a general use volume were changed to match the attributes defined at the group level for all general use volumes belonging to the group. If the caller did not explicitly request the attribute change, the attributes are changed implicitly because:

- The volume is being assigned to a different group
- A volume that does not belong to a group is being assigned to a group
- The group level attributes were changed while a general use volume was inactive and is now being activated

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCMV01

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**IDC0083E     *csn [csn] EJECTED; VOL volser -  
jobname sss***

**Explanation:** One or both cartridges assigned to the Mass Storage Volume were ejected from the Mass Storage Facility.

In the message text:

*csn*     The cartridge serial number.

*volser*     The volume serial number.

*jobname*  
          The jobname.

*sss*     The stepname.

**System Action:** The command continues processing.

**Operator Response:** Remove the ejected cartridge or cartridges from the cartridge access station of the Mass Storage Facility.

**Source:** DFSMSdfp

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**IDC0085I     CARTRIDGES *csn [csn] EJECTED***

**Explanation:** The cartridges assigned to a Mass Storage Volume were ejected from the Mass Storage Facility.

In the message text:

*msn*     The cartridge serial numbers of the sequence one and sequence two cartridges.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCEV01, IDCCO01, IDCSR01

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**IDC0086I     *text* UPDATED IN VOLUME LABEL**

**Explanation:** *text* is one of the following:

SERIAL  
OWNER  
SERIAL, OWNER

The volume serial number, the owner name, or both was changed in the volume label.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCMV01, IDCSR01

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---

**IDC0088I     CARTRIDGES *csn [csn] SCRATCHED  
FOR COPY yyddd***

**Explanation:** The cartridges assigned to the copy volume were successfully scratched. If only one cartridge was in the Mass Storage Facility (MSF), the single cartridge serial number identifies the sequence one or sequence two cartridge that was scratched. If both cartridges were in the MSF, both cartridges were scratched, and the cartridge serial numbers of the sequence one and sequence two cartridges are listed.

In the message text:

*csn*     The cartridge serial number.

*yyddd*     The date on which the cartridges were scratched.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01, IDCSV01

---

**IDC0098I    \*\* LOCATION OF VOLUME:** *location*

**Explanation:** The location information recorded in the Inventory data set and assigned to the Mass Storage Volume is listed. See the preceding message for the cartridge serial numbers of these cartridges.

In the message text:

*location*

The location in the Inventory data set.

**System Action:** The system abnormally ends the command.

**Application Programmer Response:** Insert the missing cartridges when the Mass Storage Volume Control portion of the Mass Storage System Communicator is enabled. Run the command again. If the cartridges assigned to the volume are lost, use the REMOVEVR command to delete the volume record from the Inventory data set before running the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01, IDCRV01, IDCSV01

**IDC0102I    NO ACTIVE NON-GROUPED VOLUMES  
IN THE INVENTORY DATA SET**

**Explanation:** There are no non-grouped, active mass storage volumes in the inventory data set.

**System Action:** The system abnormally ends the command. The system returns a reason code from the Mass Storage Volume Control functions.

**Source:** DFSMSdfp

**Detecting Module:** IDCLD01, IDCSD01

**IDC0104I    NO ACTIVE VOLUMES IN THE  
INVENTORY DATA SET**

**Explanation:** Either there are no base volume records in the Inventory data set or there are no base volume records with the active flag on in the Inventory data set. The Mass Storage Volume Control functions returned a reason code of either X'208' or X'223'.

**System Action:** The system abnormally ends the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCLD01, IDCSD01

**IDC0105I    NO ACTIVE VOLUMES IN GROUP  
*grpname***

**Explanation:** Either there are no mass storage volumes in the group or there are no base volume records with the active flag on in the group.

In the message text:

*grpname*

The group name.

**System Action:** If any groups remain to be processed, the system continues processing with the next group. Otherwise, the system abnormally ends the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCLD01, IDCSD01

**IDC0106I    NO ACTIVE GENERAL USE VOLUMES  
IN GROUP *grpname***

**Explanation:** Either there are no mass storage volumes in the indicated group or there are no base volume records in the Inventory data set that have the active and general-use flags on.

**System Action:** If any groups remain to be processed, the system continues processing with the next group. Otherwise, the system abnormally ends the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCLD01, IDCSD01

**IDC0107I    NO DATA SETS ELIGIBLE FOR  
SELECTION ON VOLUME *volser***

**Explanation:** No data sets on the indicated volume met the criteria specified on the command for either listing or scratching.

**System Action:** If there are more volumes to be processed, the system processes the next volume. Otherwise, the system abnormally ends the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCLD01, IDCSD01

**IDC0112I    *dsname* SCRATCHED**

**Explanation:** The data set was successfully scratched from the volume table of contents (VTOC).

**System Action:** If other data sets remain to be scratched, the system continues processing with the next data set. Otherwise, the system abnormally ends the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCSD01

**IDC0117I    VOL *volser* IN GROUP *grpname* NOT  
PROCESSED BY SIS**

**Explanation:** The system-initiated scratch function scheduled for processing an entry that indicated the volume in a group. The entry was found:

- when modifying the group status with the OFFT or OFFP parameter
- when scratching the group scratch record

- when removing a volume from the group.

In the message text:

*volser* The volume serial number.

*grpname*

The group name.

**System Action:** The system continues processing; however, the system does not process the volume.

**Application Programmer Response:** Use the SCRDSSET command as required to perform necessary scratch processing for the volume. The volume is not scheduled for system-initiated scratch processing.

**Source:** DFSMSDfp

**Detecting Module:** IDCMV01, IDCSR01

#### IDC0140I ALIASES ARE NOT EXPORTED FOR VSAM MASTER CATALOGS

**Explanation:** An integrated catalog facility catalog is being exported, but its user catalog pointer entry is in a virtual storage access method (VSAM) master catalog. Therefore, EXPORT will not export the aliases of this integrated catalog facility catalog.

**System Action:** The system continues processing with the export of the integrated catalog facility catalog.

**Source:** DFSMSDfp

#### IDC0144I VOLUME SERIAL FOR *catname* DURING EXPORT DISCONNECT WAS *volser*

**Explanation:** This is an informational message indicating the volume serial number for the volume that contains the catalog being disconnected.

In the message text:

*catname*

The name of the catalog being disconnected.

*volser* The volume serial number.

**System Action:** The system continues processing.

**Source:** DFSMSDfp

#### IDC0180I PASSWORD SPECIFICATION FOR *entrynme* MAY BE INEFFECTIVE

**Explanation:** During an access method services ALTER or DEFINE operation, the system found that one or more passwords were specified. Since the object entry name is managed by the Storage Management Subsystem (SMS), these passwords will be ineffective for the protection of that object.

In the message text:

*entrynme*

The entry name.

**System Action:** The system maintains the passwords.

**Application Programmer Response:** Do not specify passwords.

**Source:** DFSMSDfp

**Detecting Module:** IDCAL01, IDCDE01, IDCMP01

#### IDC0181I *construct* USED IS *constnme*

**Explanation:** The Storage Management Subsystem (SMS) construct was specified in an access method services DEFINE or IMPORT command. The construct name was the construct actually used during processing of the command. The values for *construct* and *constnme* may be one of the following:

- DATACLASS
- MANAGEMENTCLASS
- STORAGECLASS.

For each specific command, the value of the construct may differ from that of the construct name. Any difference between the two constructs resulted from automatic class selection processing.

In the message text:

*construct*

The construct.

*constnme*

The construct name.

**System Action:** The system continues processing.

**Source:** DFSMSDfp

**Detecting Module:** IDCDE01, IDCMP01

#### IDC0182I EXPIRATION DATE RESET TO *yyyy.ddd*

**Explanation:** The system issues this message for one of the following reasons:

- The expiration date specified during an access method services ALTER or DEFINE operation exceeded the management class retention period. The system resets the date.
- An alternate index (AIX) expiration date is being overridden. For an SMS managed AIX, CATALOG processing does not allow the expiration date to exceed that of the related cluster.

**System Action:** The system uses the reset date instead of the expiration date. For an AIX that does not have a management class, the system sets the expiration date to that of the related cluster.

**Application Programmer Response:** If the reset date is incorrect, change it by doing one of the following:

- By MANAGEMENTCLASS, specify a different management class that allows the expiration date originally specified



## IDC0196I • IDC0234I

- By FOR or TO, specify an expiration date that does not exceed the management class retention period

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01, IDCDE01

---

### IDC0196I *dsname* HAS BEEN ROLLED OFF AND *action*

**Explanation:** Changing the maximum number of generation data sets (GDSs) that can be associated with a generation data group (GDG) caused one or more of the GDSs to be rolled off. In addition to being rolled off, the GDS data set name was:

- Recataloged as a non-VSAM data set
- Uncataloged, but still exists
- Deleted

In the message text:

*dsname*  
The data set name.

*action* Indicates whether the GDS was recataloged, uncataloged or deleted.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

### IDC0204I PRECEDING COMMAND BYPASSED DUE TO CONDITION CODES

**Explanation:** The modal command structure specification caused the command to be bypassed.

**System Action:** The system checks the command for syntax errors. The system does not process the command.

**System Programmer Response:** If the problem recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI03

---

### IDC0206I IMPROPERLY PLACED COMMA HAS BEEN FOUND AND IGNORED

**Explanation:** The caller coded an unnecessary comma. Omitted positional parameters may not be denoted by consecutive commas.

**System Action:** The system accepts the usage and ignores the comma.

**Application Programmer Response:** Remove the extra comma.

**System Programmer Response:** If the error recurs

and the calling program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

### IDC0222I WARNING: COMMAND-END DELIMITER APPEARS WITHIN APOSTROPHES

**Explanation:** The system found a semicolon, the optional command delimiter, in an item that is enclosed within apostrophes. A closing apostrophe may have been omitted.

**System Action:** The system accepts the usage. The system continues processing, treating the semicolon as a valid character.

**Application Programmer Response:** Insert the missing apostrophe, if one was omitted. Run the job again.

**System Programmer Response:** If the error recurs and the calling program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

### IDC0233I TOO MANY RIGHT PARENTHESES FOUND. EXCESS IGNORED

**Explanation:** The system found too many right parentheses at the end of a subparameter list or following a first-level parameter.

**System Action:** The system ignores the excess parameters. Scanning continues.

**Application Programmer Response:** Correct the syntax of the parameters.

**System Programmer Response:** If the error recurs and the calling program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

### IDC0234I WARNING: TOO FEW RIGHT PARENTHESES FOUND AT END OF COMMAND

**Explanation:** The system found too few right parentheses at the end of the command to close off the subparameter lists.

**System Action:** The system accepts the usage. The

system continues processing.

**Application Programmer Response:** Correct the syntax of the parameters.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

#### IDC0254I CANCEL COMMAND WAS EXECUTED

**Explanation:** An IDCAMS CANCEL command was issued to end the current job step. The step will be ended with a return code in register 15 equal to the value of the highest condition code encountered before the CANCEL command was run.

**System Action:** The system ends the job step. The remainder of the command stream is not processed.

**Application Programmer Response:** The maximum condition code is returned in register 15 and will be printed out on the IDCAMS completion message, IDC0002I. Perform the programmer response from message IDC0002I.

**Source:** DFSMSdfp

#### IDC0339I ENCIIPHERED DATAKEY FOR *keyname* IS *keyval*

**Explanation:** The key value field provides information for the data encrypting key enciphered under the secondary file key whose external label is the key name.

In the message text:

*keyname*

The key name.

*keyval* The key value.

**System Action:** The system continues processing.

**Application Programmer Response:** Save the key value for use when the data set is deciphered.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

#### IDC0342I PRIVATE DATA KEY IS *keyval*

**Explanation:** The caller did not specify a private data encrypting key. REPRO command processing provided the data encrypting key.

In the message text:

*keyval* The key value.

**System Action:** The system continues processing.

**Application Programmer Response:** Save the key value for use when the data set is deciphered.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

#### IDC0361I \*\* *dsname* NOT LOCATED

**Explanation:** The virtual storage access method (VSAM) or OS locate request for the indicated data set was unsuccessful. A preceding message indicates the reason for the failure.

In the message text:

*dsname*

The data set name.

**System Action:** If the SCRASET command is being run, this data set is not scratched. If the LISTDSET command is being run, this data set is listed unless the UNCATALOGED, EXPIRATIONDATE, EXPIRATION, CREATIONDATE, or CREATION parameter is specified.

**Application Programmer Response:** Determine why the data set was not located. Correct the problem if necessary. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information.

Issue the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

Then search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA07

#### IDC0362I \*\* *dsname* NOT SCRATCHED

**Explanation:** An error occurred during a virtual storage access method (VSAM) delete request. The error prevented the data set from being scratched. A preceding message explains the type of error.

In the message text:

*dsname*

The data set name.

**System Action:** The command continues to scratch and uncatalog remaining eligible data sets.

**Application Programmer Response:** Correct the error identified in the preceding message and do one of the following:

- Run the SCRASET command again
- Specify DELETE in the DISP parameter on the DD statement to scratch the data set

## IDC0363I • IDC0396I

- Run the DELETE command to scratch the data set

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information.

Run the LIST service aid with the following control statements:

- LISTOBJ: to obtain an object module listing
- LISTLOAD OUTPUT=BOTH: to obtain a formatted listing of the load module with its module map and cross references

If the error still exists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA07

---

### IDC0363I      \*\* *dsname* NOT UNCATALOGED

**Explanation:** One of the following situations occurred:

- An error occurred during a virtual storage access method (VSAM) delete request.  
The error prevented the data set from being uncataloged.
- An error occurred during an operating system (OS) uncatalog request.  
The error prevented the data set from being uncataloged.
- An error occurred during the scratch of the data set.  
Because the data set cannot be scratched, no attempt was made to uncatalog the data set.

In the message text:

*dsname*

The data set name.

**System Action:** The command continues to scratch and uncatalog remaining eligible data sets. The system explains the error with a preceding message.

**Application Programmer Response:** Correct the error identified in the preceding message. If the data set was already scratched from the volume table of contents (VTOC), do one of the following:

- Specify UNCATLG in the DISP parameter on the DD statement to uncatalog the data set.
- Run the DELETE command to uncatalog the data set.
- Run the IEHPROGM utility to uncatalog the data set.

If the data set was not scratched from the VTOC, do one of the following:

- Run the SCRDSSET command again.

- Specify DELETE in the DISP parameter on the DD statement to scratch the data set.
- Run the DELETE command to scratch the data set.
- Run the IEHPROGM utility to scratch and uncatalog the data set.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Run the LIST service aid with the following control statements:

- LISTOBJ: to obtain an object module listing
- LISTLOAD OUTPUT=BOTH: to obtain a formatted listing of the load module with its module map and cross references

If the error cannot be determined, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA07

---

### IDC0394I      *jobname.sss* 3850 DEMOUNT FAILED, VOL=*vvvvvv,vua*, RC=*X'cde'*

**Explanation:** The system was unable to demount the virtual volume requested in the indicated step of the job.

In the message text:

*jobname*

The jobname.

*sss*

The specified job step.

*vvvvvv*

The virtual volume serial address.

*vua*

The virtual unit address.

*cde*

The failed reason code.

**System Action:** The system continues processing.

**Application Programmer Response:** Correct the problem indicated by the Mass Storage System (MSS) reason codes. Then issue the UNLOAD command.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA06, IDCSA10

---

### IDC0396I      \*\* *dsname* NOT RECATALOGED

**Explanation:** The data set was not recataloged. The system writes a preceding message that explains the reason for the error.

In the message text:

*dsname*

The data set name.

**System Action:** The command continues processing.

**Application Programmer Response:** Examine the

preceding message for response.

**Source:** DFSMSDfp

**Detecting Module:** IDCSA07

---

**IDC0397I DATA SET CATALOGED IN VSAM CATALOG THAT DOES NOT OWN VOLUME**

**Explanation:** The data set identified in the subsequent message was located in a virtual storage access method (VSAM) catalog that does not own the volume. VSAM catalog management does not support altering device type and volume serial number in VSAM catalogs other than the owning catalog.

**System Action:** The command continues processing.

**Application Programmer Response:** Use the access method services LISTCAT, DELETE, and DEFINE commands to determine the fields defined in the entry. Delete the entry and redefine the entry with the new device type.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Issue the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

If the error cannot be determined, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, and all printed output and output data sets related to the problem.

**Source:** DFSMSDfp

**Detecting Module:** IDCSA07

---

**IDC0398I DATA SET RESIDES ON MORE THAN TWENTY VOLUMES**

**Explanation:** The data set identified in the subsequent message resides on more than twenty volumes. It has not already been recataloged. Recataloging is not supported by this program if the data set resides on more than 20 volumes. If the data set is cataloged in the virtual storage access method (VSAM) owning catalog, it has already been recataloged.

**System Action:** The command continues processing.

**Application Programmer Response:** Use IEHPROGM utility or access method services DELETE and DEFINE command to recatalog the data set if it is cataloged and not already recataloged.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Issue the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

If the error cannot be determined, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output, and all printed output and output data sets related to the problem.

**Source:** DFSMSDfp

**Detecting Module:** IDCSA07

---

**IDC0497E CARTRIDGE EJECTED; *jobname*, *stepname***

**Explanation:** The system writes an informational message to the system operator, notifying him of the presence of a cartridge in the cartridge access station.

In the message text:

*jobname*  
The jobname.

*stepname*  
The job step.

**System Action:** The system continues processing.

**Operator Response:** Remove the cartridge from the cartridge access station.

**Source:** DFSMSDfp

---

**IDC098D ACCESS REQUESTED TO *text*  
VOL=SER=*volser*: REPLY Y OR N *text***

**Explanation:** Processing of REPAIRV DISPLAY or REPAIRV COPY command requests authorization to access a staging pack, or processing of the REPAIRV MODIFY command requests authorization to update the volume table of contents (VTOC) or its header (VTOCHEADER).

In the message text:

*text* STAGING PACK VTOCHEADER VTOC.

*volser* The volume serial number.

**System Action:** Processing of the REPAIRV command waits for the operator to respond. If the response is Y, the system continues processing. If the response is N, the system abnormally ends the command.

**Operator Response:** Enter Y to allow access, or enter N to deny access.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCRD07

**IDC0508I DATA ALLOCATION STATUS FOR VOLUME** *volser IS return-code*

**Explanation:** The system indicates the allocation status for a volume containing the data component. The code indicating the status is the virtual storage access method (VSAM) catalog return code.

In the message text:

*ser*                      The volume serial number.  
*return-code*            The return code. A 0 indicates success.

**System Action:** The system continues processing.

**Application Programmer Response:** See message IDC3009I for a complete explanation of the return code.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01, IDCMP01, IDCRM01

**IDC0509I INDEX ALLOCATION STATUS FOR VOLUME** *volser IS return-code*

**Explanation:** The system indicates the allocation status for a volume containing the index component. The code indicating the status is the virtual storage access method (VSAM) catalog return code.

In the message text:

*ser*                      The volume serial number.  
*return-code*            The return code. A 0 indicates success.

**System Action:** The system continues processing.

**Application Programmer Response:** See message IDC3009I for a complete explanation of the return code.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01, IDCMP01, IDCRM01

**IDC0510I CATALOG ALLOCATION STATUS FOR VOLUME** *volser IS return-code*

**Explanation:** The system indicates the allocation status of a volume containing the virtual storage access method (VSAM) catalog. The code indicating the status is the VSAM catalog return code.

In the message text:

*ser*                      The volume serial number.  
*return-code*            The return code. A 0 indicates success.

**System Action:** The system continues processing.

**Application Programmer Response:** See message IDC3009I for a complete explanation of the return code.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01

**IDC0511I SPACE ALLOCATION STATUS FOR VOLUME** *volser IS return-code*

**Explanation:** The system indicates the allocation status for a volume on which virtual storage access method (VSAM) space is being defined. The code indicating the status is the VSAM catalog return code.

In the message text:

*ser*                      The volume serial number.  
*return-code*            The return code. A 0 indicates success.

**System Action:** The system continues processing.

**Application Programmer Response:** See message IDC3009I for a complete explanation of the return code.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01

**IDC0512I NAME GENERATED - (x) dsname**

**Explanation:** Data and index component names are generated by virtual storage access method (VSAM) catalog management, when these names have not been specified.

In the message text:

*x*                        Either a D or an I. It indicates which component the data set names.  
*dsname*                The data set name.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01

**IDC0520I CATALOG RECOVERY VOLUME IS** *ser*

**Explanation:** the system writes this message to indicate the volume serial number of the volume that contains and will contain all catalog recovery data for the object just defined.

In the message text:

*ser*                      The volume serial number.

**System Action:** The system continues processing.

**Application Programmer Response:** Mount the named volume for any future operation that modifies the catalog entry for the object just defined.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01, IDCMP01, IDCRM01



---

**IDC0526I    ALTERED ALLOCATION STATUS FOR VOLUME** *volser* **IS** *return-code*

---

**Explanation:** The system writes this message to indicate the allocation status of volumes being added or removed from a virtual storage access method (VSAM) data set. The code indicating the status is the VSAM catalog return code.

In the message text:

*ser*                      The volume serial number.  
  
*return-code*            The return code. See message IDC3009I for an explanation of the return code.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC0531I    ENTRY** *xxx* **ALTERED**

---

**Explanation:** The system writes this message to indicate that the specified entry has been successfully altered.

In the message text:

*xxx*            The altered entry.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC0532I    \*\* ENTRY** *xxx* **NOT ALTERED**

---

**Explanation:** The system writes this message to indicate that the entry was not altered.

In the message text:

*xxx*            The unaltered entry.

**System Action:** The preceding message in the system output indicates the reason the entry was not altered. The system continues processing.

**Application Programmer Response:** Correct the problem indicated by the previous message. Run the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC0534I    \*\* MEMBER** *mem* **NOT RENAMED**

---

**Explanation:** The system writes this message to indicate the member name that was not renamed.

In the message text:

*mem*            The member name.

**System Action:** The preceding message in the

system output indicates the reason the member name was not renamed. The system continues processing.

**Application Programmer Response:** Correct the problem indicated by the previous message. Run the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC0535I    MEMBER** *mem* **RENAMED**

---

**Explanation:** The indicated member has been successfully renamed.

In the message text:

*mem*            The indicated member.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC0548I    \*\* MEMBER** *mem* **NOT DELETED**

---

**Explanation:** The system writes this message to inform the operator or programmer that the member was not deleted.

In the message text:

*mem*            The indicated member.

**System Action:** An associated message accompanies this message indicating why the member was not deleted. The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC0549I    MEMBER** *mem* **DELETED**

---

**Explanation:** The system writes this message to indicate the member that has been successfully deleted.

In the message text:

*mem*            The deleted member.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC0550I    ENTRY** (*x*) *dsname* **DELETED**

---

**Explanation:** The specified data set name entry was deleted from the virtual storage access method (VSAM) catalog.

In the message text:

*dsname*  
                  The data set name.



## IDC0551I • IDC0604I

x The type of entry, as follows:

C--cluster  
D--data  
G--alternate index  
I--index  
R--path  
V--volume  
U--user catalog  
M--master catalog  
A--non-VSAM  
B--GDG base  
X--alias

**System Action:** The system deletes a volume entry only when the volume no longer contains any data spaces. The system uncatalogs, but does not delete, a data set with indirect or extended indirect VolSer. The system continues processing.

**Source:** DFSMSSdfp

**Detecting Module:** IDC DL01, IDC MP01, IDC RM01, IDC XP01

---

### IDC0551I \*\* ENTRY *dsname* NOT DELETED

**Explanation:** The system writes this message to indicate that the entry that was not deleted. An accompanying message will indicate why the entry was not deleted.

In the message text:

*dsname*  
The data set name.

**System Action:** The named data set is not deleted.

**Application Programmer Response:** Correct the cause of the error.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information.

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSSdfp

**Detecting Module:** IDC DL01, IDC XP01

---

### IDC0555I DELETION OF SPACE OBJECT DID NOT CAUSE *ser* TO BE DELETED

**Explanation:** When a DELETE command is processed against the volume serial number and the FORCE parameter is not specified, all empty data spaces are deleted. Data spaces that still contain data set segments are not deleted. Only when all data spaces on a volume are deleted or when FORCE is specified, is that volume deleted from its owning catalog.

In the message text:

*ser* The volume serial number.

**System Action:** The volume is still owned by the catalog in which it was originally defined.

**Source:** DFSMSSdfp

**Detecting Module:** IDC DL01

---

### IDC0571I CATALOG RELOAD HAS BEEN INVOKED

**Explanation:** A REPRO command has been processed where the target data set is a catalog. This marks the beginning of processing of a catalog reload operation.

**System Action:** The system continues processing.

**Source:** DFSMSSdfp

**Detecting Module:** IDC RP01

---

### IDC0594I PORTABLE DATA SET CREATED SUCCESSFULLY ON *date* AT *hh:mm:ss*

**Explanation:** At this point, the portable data set contains all information necessary to re-create the cluster being exported.

In the message text:

*date* The date of the data set creation.  
*hh:mm:ss*  
The time of the data set creation in hours, minutes, and seconds.

**System Action:** The system continues processing.

**Source:** DFSMSSdfp

**Detecting Module:** IDC XP01

---

### IDC0603I CONNECT FOR USER CATALOG *dsname* SUCCESSFUL

**Explanation:** This message identifies the name of the catalog for which CONNECT completed successfully.

In the message text:

*dsname*  
The data set name.

**System Action:** The system continues processing.

**Source:** DFSMSSdfp

**Detecting Module:** IDC MP01

---

### IDC0604I DATA SET BEING IMPORTED WAS EXPORTED ON *date* AT *hh:mm:ss*

**Explanation:** This message informs the caller of the date and time that the data set was exported.

In the message text:

*date* The date on which the data set was exported.

*hh:mm:ss*

The time at which the data set was exported, in hours, minutes, and seconds.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01, IDCRM01

**IDC0611I DATA SET TO BE IMPORTED  
ALREADY EXISTS - DELETE  
ATTEMPTED**

**Explanation:** A catalog define was attempted for the data set to be imported. The command failed because an entry with that name already existed in the catalog. This situation occurs when a temporarily exported data set is imported back into the catalog from which it was exported.

**System Action:** An attempt is made to delete the existing entry. The message following this message in the listing indicates whether the delete was successful.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

**IDC0622I USERCATALOG *catname*  
DISCONNECTED**

**Explanation:** A caller's catalog has been disconnected by IMPORTRA in order to connect a new pointer to the user catalog.

In the message text:

*catname*

The catalog name.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCRM01

**IDC0626I IMPORTRA SUCCEEDED FOR *dsname***

**Explanation:** The data set has been successfully imported.

In the message text:

*dsname*

The data set name.

**System Action:** Normal processing continues.

**Source:** DFSMSdfp

**Detecting Module:** IDCRM01

**IDC0634I NUMBER OF ENTRIES CONVERTED  
WAS *nnn***

**Explanation:** The number of catalog entries successfully converted into entries in the virtual storage access method (VSAM) or the integrated catalog facility (ICF) catalog is indicated. All base entries and their associations are counted. Data and index component entries are not counted.

In the message text:

*nnn* The number of entries converted.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

**IDC0635I \*\* *dsname* NOT CONVERTED**

**Explanation:** During CNVTCAT processing, the catalog entry data set was not converted.

In the message text:

*dsname*

The data set name.

**System Action:** An associated message contains the information required to correct the error. The system continues processing with the next entry.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

**IDC0636I NUMBER OF ENTRIES UPDATED WAS  
*nnn***

**Explanation:** The number of non-virtual storage access method (VSAM) entries whose volume information has been updated is indicated. Volume information of a non-VSAM entry is updated when the volume information of a duplicate entry being converted from the operating system (OS) source catalog is different from that of the existing non-VSAM entry.

In the message text:

*nnn* The number of entries updated.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

**IDC0637I \*\* *dsname* NOT UPDATED**

**Explanation:** The operating system (OS) catalog entry specified was not converted.

In the message text:

*dsname*

The data set name.

## IDC0639I • IDC0669I

**System Action:** An accompanying message contains the information required to correct the error. The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

### IDC0639I      SPHERE CONVERSION STARTED FOR *dsname*

**Explanation:** The conversion of the specified base sphere and its associations has started.

In the message text:

*dsname*

The data set name.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

### IDC0652I      *dsname* SUCCESSFULLY BUILT

**Explanation:** Building of the alternate index identified by the data set name has been successfully completed with no errors encountered.

In the message text:

*dsname*

The data set name.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCBI01

---

### IDC0657I      REQUIRED SORT PRODUCT FUNCTIONS UNAVAILABLE

**Explanation:** DFSORT (or an equivalent product) with the functions required for BLDINDEX was not available.

**System Action:** The system stops processing the command.

**System Programmer Response:** Correct the error as indicated in the preceding messages if they exist. If no preceding messages exist, check the DFSORT (or equivalent product) message data set for detailed information on the cause of the failure. If SORTMESSAGELEVEL(ALL) was specified use the call identifier to find the set of DFSORT (or equivalent product) messages for this call (see IDC01850I and DFSORT message ICE200I or the appropriate message for an equivalent product), and correct the DFSORT (or equivalent product) error that caused the failure.

**Detecting Module:** IDCBI01

---

### IDC0659I      SORT PRODUCT MESSAGE DATA SET NOT ALLOCATED: REASON CODE IS *reason-code*

**Explanation:** DFSORT (or an equivalent product) was unable to allocate the DFSORT (or equivalent product) message data set.

In the message text, *reason-code* is:

**04**      Allocation failed

**08**      Insufficient virtual storage to perform allocation

**System Action:** BLDINDEX will process the command using DFSORT (or an equivalent product) but no messages will be written to the DFSORT (or equivalent product) message data set.

**Application Programmer Response:** For reason code 04, supply a DD statement for the DFSORT (or equivalent product) message data set (see the SORTMESSAGEDD parameter).

For reason code 08, increase the virtual storage region size and resubmit the job.

**Detecting Module:** IDCBI01

---

### IDC0665I      NUMBER OF ENTRIES THAT MISCOMPARED IN THIS CRA - *nnn*

**Explanation:** The COMPARE option was requested and this informational message indicates the number of entries for which a miscompare between the catalog recovery area (CRA) and catalog occurred. The types of entries are as follows:

- Volume
- Cluster
- Alternate index
- non-virtual storage access method (VSAM)
- user catalog entries

In the message text:

*nnn*      The number of entries miscompared.

**System Action:** The system continues processing.

**Application Programmer Response:** Determine whether recovery is required.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

---

### IDC0669I      EXPORTING FROM CRA ON VOLUME *volser*

**Explanation:** This message indicates the current catalog recovery area (CRA) and volume being used to export the data sets named in the following messages.

In the message text:

*ser*      The volume serial number.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

---

**IDC0670I DATA SET SUCCESSFULLY EXPORTED**

**Explanation:** The data set named in message IDC0674I was successfully retrieved and written to the portable data set.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

---

**IDC0672I \*\* LOCKED ON CATALOG *catname***

**Explanation:** This message provides the name of the owning catalog whose catalog recovery areas (CRA) will be processed. It is the name of the catalog owning the first CRA processed.

In the message text:

*catname*

The catalog name.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

---

**IDC0674I \*\* NAME IS *dsname***

**Explanation:** This second-level message gives the data set name of the object referred to in the preceding messages.

In the message text:

*dsname*

The data set name.

**System Action:** See the primary message.

**Application Programmer Response:** See the primary message.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

---

**IDC0676I PORTABLE DATA SET CREATED SUCCESSFULLY ON *date* AT *time***

**Explanation:** This message indicates the portable data set contains the necessary information to recreate the data sets by IMPORTRA.

In the message text:

*date* Date on which data set was created.

*time* Time at which data set was created.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

---

**IDC0680I VOLUME *volser* CREATED ON CARTRIDGES *csn1 csn2***

**Explanation:** A new volume was created.

In the message text:

*volser* The volume serial number.

*csn1*

*csn2* The cartridge serial numbers.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCV01

---

**IDC0686I PARTIALLY CREATED VOLUME *volser* SCRATCHED**

**Explanation:** The partially created volume was scratched during back out because an error occurred.

In the message text:

*volser* The volume serial number.

**System Action:** The command ends normally.

**Application Programmer Response:** Correct the error indicated in a preceding message. Run the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCCV01

---

**IDC0703I \*\* VOL *volser* COPIES TO CART *csn1 csn2*, DATE *yyddd***

**Explanation:** The volume was copied to the cartridges on the date indicated.

In the message text:

*volser* The volume serial number.

*csn1*

*csn2* The cartridge serial numbers.

*yyddd* The date, in year and days.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCC01

---

**IDC0704I \*\* CARTRIDGES OF OLDEST BACKUP COPY *yyddd* SELECTED FOR REUSE**

**Explanation:** The COPYV command selected the cartridges of the oldest backup copy volume indicated by the date for reuse. The preceding message describes the status of the new copy volume.

## IDC0705I • IDC0733I

In the message text:

*yyddd* The date, in year and days.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01

---

### IDC0705I \*\* CARTRIDGES OF AN INCOMPLETE COPY VOLUME SELECTED FOR REUSE

**Explanation:** Due to a previous failure by the COPYV command, the cartridges of an incomplete copy volume were reused by the command. The preceding message identifies the status of the new copy volume.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01

---

### IDC0711I \*\* VOLUME *volser1* RESTORED FROM COPY VOLUME *volser2*, COPY DATE *yyddd*

**Explanation:** The designated volume was successfully restored using either the latest backup copy or a user designated copy created on the date indicated. However, if the target volume serial number is different than the copy volume, the target volume serial number was overwritten during the copy operation and must be restored. The target volume is currently flagged as an incomplete copy in the Inventory data set. The command restores the volume label and clears the incomplete copy flag from the Inventory data set before processing of the command ends.

In the message text:

*volser1* The volume serial number of the restored volume.

*volser2* The volume serial number of the restoring volume.

*yyddd* The date, in year and days.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCRV01

---

### IDC0722I VOLUME *volser* HAS BEEN ACTIVATED

**Explanation:** The inactive volume was made active but either the volume attributes could not be updated or the volume serial could not be changed.

In the message text:

*volser* The volume serial number.

**System Action:** The system continues processing.

**Application Programmer Response:** Run the MODIFYV command to change the volume attributes or the volume serial number of the active volume.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01

---

### IDC0724I \*\* SERIAL NUMBER OF VOLUME *volser* NOT CHANGED

**Explanation:** The volume has been activated but the volume serial number could not be changed. See the preceding message for further explanation of the error.

In the message text:

*volser* The volume serial number.

**System Action:** The system continues processing.

**Application Programmer Response:** Run the MODIFYV command to change the volume serial number of the active volume. Correct the problem as indicated in the preceding message.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01

---

### IDC0725I READWRITE ATTRIBUTE SET FOR VOLUME *volser*

**Explanation:** The volume is assigned the readwrite attribute as requested.

In the message text:

*volser* The volume serial number.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01

---

### IDC0731I VOLUME *volser* HAS BEEN MADE INACTIVE

**Explanation:** The designated volume was successfully deactivated and made nonmountable.

In the message text:

*volser* The volume serial number.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCSR01

---

### IDC0733I VOLUME LABEL RESTORED TO ORIGINAL STATUS

**Explanation:** The volume label is restored to its original status because the volume cannot be deactivated or the volume serial number changed in the cartridge labels. A flag in the Inventory data set,



indicating a mismatch between the volume label and cartridge labels, will remain set only if the flag was previously set from an earlier relabel failure by:

- The MODIFYV command
- The ADDV command
- The STOREV command

**System Action:** The command abnormally ends with an error message.

**Application Programmer Response:** Take one of the following actions for the command that failed:

- For a Rename operation failure for ADDV, run ADDV to backout or retry the rename operation if the volume is inactive. If the volume is active, run MODIFYV or STOREV to either backout or retry the rename operation.

If the ADDV, MODIFYV, or STOREV commands are run to recover from a rename failure, a DD statement for the volume is required and must specify deferred mounting.

The values specified for the VOLUME and NEWSERIAL parameters depend upon how the volume record is recorded in the Inventory data set. If the cartridge labels have been updated, the volume record will be identified by the new volume serial number. For the VOLUME parameter, specify the volume serial number as recorded in the cartridge labels and the volume record. For the NEWSERIAL parameter, specify the desired volume serial number. Note that the security check for non-VSAM status and password protected data sets is bypassed only if the NEWSERIAL parameter specifies the same volume serial number as recorded in the Inventory data set for the volume label. This allows the original volume serial number of a VSAM volume to be restored if the volume is left partially renamed.

If ADDV, MODIFYV, or STOREV terminates without indicating the status of the rename operation, LISTMSVI can be run to determine whether the volume is flagged for recovery purposes. If the mismatch flag is set in the volume record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a rename operation failed for the preceding volume and that serial number 'nnnnnn' is recorded in the volume label of the volume.

- For a Rename Operation failure for MODIFYV, recover by:
  - Run ADDV to activate the volume if the volume is merely inactive and has no volume serial mismatch condition
  - Run ADDV to both activate the volume and complete the rename operation if the volume is both inactive and has a volume serial mismatch condition
  - Run MODIFYV again to complete or retry the rename operation if the volume is active but has a mismatch condition, or 4) run STOREV to complete or retry the rename operation if the

volume is active and if a duplicate volume serial number is desired as a result of the rename.

For the DD statement requirements, the proper VOLUME and NEWSERIAL parameter values, and use of LISTMSVI, refer to the description above for an ADDV rename failure.

- For a Rename Operation failure for STOREV, run STOREV again or run MODIFYV to either backout or retry the rename operation.

For the DD statement requirements, the proper VOLUME and NEWSERIAL parameter values, and use of LISTMSVI, refer to the description above for an ADDV rename failure.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSR01

---

## IDC0737I FURTHER PROCESSING TERMINATED

**Explanation:** An error occurred which prevents any further processing. Preceding messages indicate the extent of the processing which has been completed. Functions which may not be completed are:

- Updating the alternate track information in the volume table of contents (VTOC) of the TO volume.
- If the volume is virtual storage access method (VSAM), updating the time stamp in the VTOC of the TO volume.
- If the FROM and TO volume serial numbers are different, updating the serial number in the label of the TO volume.
- Updating the owner in the label of the TO volume.
- If a recatalog option was specified or defaulted to, recataloging the data sets.
- If the scratch option was specified or defaulted to, scratching the data sets on FROM volume.

For conversion from a 3336 Model 1 Disk Pack to a mass storage volume the incomplete copy flag is set in the Inventory data set for any of the following cases:

- The FROM and TO volume serial numbers are not the same, and processing ended during the copy operation.
- The FROM and TO volume serial numbers are not the same, and processing ended before the VTOC and volume label were updated.
- The TO volume is VSAM and processing ended before the VSAM recataloging was completed.



## IDC0743I • IDC0760I

**System Action:** The command abnormally ends with an error message indicating the severity of the problem.

**Application Programmer Response:** If the incomplete copy flag is on in the Inventory data set, run the CONVERTV command again. Recover from a copy volume using the RECOVERV command, or scratch the Mass Storage Volume using the SCRATCHV command. Otherwise, decide whether to run the CONVERTV command again or complete the functions not performed by CONVERTV using other access method services commands or utility programs. The owner in the volume label can be updated by the MODIFYV command for Mass Storage Volumes. Data sets can be recataloged using access method services DELETE and DEFINE commands or IEHPROGM utility. Data sets can be scratched using the access method services DELETE command or IEHPROGM utility.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01

---

### IDC0743I FROM VOLUME COPIED TO THE TO VOLUME

**Explanation:** The source volume was successfully copied to the target volume.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01

---

### IDC0746I DATA SETS IN VSAM CATALOG SUCCESSFULLY RECATALOGED

**Explanation:** Data sets in the virtual storage access method (VSAM) catalog owning the volume have been successfully recataloged.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01

---

### IDC0747I VTOC AND LABEL OF TO VOLUME UPDATED

**Explanation:** The converted volume now has the appropriate alternate track information and virtual storage access method (VSAM) time stamp in the volume table of contents (VTOC). The converted volume now has the appropriate owner and volume serial number in the label.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01

---

### IDC0748I ELIGIBLE NON-VSAM DATA SETS SUCCESSFULLY RECATALOGED

**Explanation:** The data sets not in the virtual storage access method (VSAM) owning catalog have been recataloged if there were any that needed to be recataloged.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01

---

### IDC0749I VTOC OF FROM VOLUME SCRATCHED

**Explanation:** The volume table of contents (VTOC) of the source volume was successfully scratched.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01

---

### IDC0751I CARTS *csn1 csn2* SCRATCHED FOR VOLUME *volser*

**Explanation:** The requested volume was scratched. The cartridge IDs in the message are in reverse order from the order in which they were scratched.

In the message text:

*volser* The volume serial number.

*csn1*

*csn2* The cartridge serial numbers of the cartridges that were scratched.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCSV01

---

### IDC0760I RECORD FOR COPY *yyddd* REMOVED

**Explanation:** The copy record created on the date indicated was removed from the Inventory data set.

In the message text:

*yyddd* The date, in year and days.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCRR01



## IDC0811I • IDC0816I

In the message text:

*ser*      The volume serial number.

**System Action:** The system begins processing of data sets on the volume.

**Source:** DFSMSdfp

**Detecting Module:** IDCSD01

---

### IDC0811I      *dsname* **UNCATALOGED**

**Explanation:** The data set entry was successfully removed from the catalog.

In the message text:

*dsname*  
The data set name.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCSD01

---

### IDC0812I      *nnn* **DATA SETS WERE SCRATCHED FROM VOLUME** *volser*

**Explanation:** The number of data sets scratched from the indicated volume is specified.

In the message text:

*nnn*      The number of the data sets scratched.

*ser*      The volume serial number.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCSD01

---

### IDC0813I      *nnn* **CATALOGED GDG TYPE DATA SETS WERE NOT SCRATCHED**

**Explanation:** The number of cataloged generation data group (GDG) type data sets that were not scratched is specified. The SCRASET command does not scratch cataloged data sets with names that end in *name.GnnnnVnn*.

In the message text:

*nnn*      The number of the data sets that were not scratched.

**System Action:** The system continues processing with the next volume.

**Application Programmer Response:** If the data sets must be scratched, use one of the following methods to scratch them:

- Run the IEHPROGM utility.
- Run the DELETE command.
- Specify DELETE in the DISP parameter on the DD statement.

**Source:** DFSMSdfp

**Detecting Module:** IDCSD01

---

### IDC0814I      *nnn* **CATALOGED MULTI-VOLUME DATA SETS WERE NOT SCRATCHED**

**Explanation:** The number of cataloged multivolume data sets that were not scratched is specified. The SCRASET command does not scratch multivolume cataloged data sets.

In the message text:

*nnn*      The number of multi-volume data sets that were not scratched.

**System Action:** The system continues processing with the next volume.

**Application Programmer Response:** If the data sets must be scratched, use one of the following methods to scratch them:

- Run the IEHPROGM utility.
- Run the DELETE command.
- Specify DELETE in the DISP parameter of the DD statement.

**Source:** DFSMSdfp

**Detecting Module:** IDCSD01

---

### IDC0815I      **VOLUME** *volser* **IN GROUP** *grpname* **BEING PROCESSED**

**Explanation:** A new volume in the indicated group is being processed. Additional messages follow to indicate the data sets that have been scratched, if any.

In the message text:

*ser*      The volume serial number.

*grpname*  
The group name.

**System Action:** The system processes the volume.

**Source:** DFSMSdfp

**Detecting Module:** IDCSD01

---

### IDC0816I      **SYSCTLG DATA SET NOT SCRATCHED**

**Explanation:** The PURGE parameter was not specified on a SCRASET command and an OS system or control volume (CVOL) catalog data set SYSCTLG met the limiting criteria for data set scratching. Data set SYSCTLG was not scratched.

**System Action:** The system continues processing with the next volume.

**Application Programmer Response:** If the SYSCTLG data set must be scratched, use the IEHPROGM utility or run the SCRASET command with the PURGE parameter.

**Source:** DFSMSdfp

**Detecting Module:** IDCSD01

---

**IDC0817I ALL ACTIVE VOLUMES IN GROUP  
*grpname* WERE EXCLUDED**

**Explanation:** No volumes were processed in the specified group. Each active volume that normally would have been processed was excluded with the EXCLUDEVOLUMES parameter.

In the message text:

*grpname*

The group name.

**System Action:** If any groups remain to be processed, the system continues processing with the next group. If no groups remain to be processed, the system abnormally ends the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCSD01

---

**IDC0832I NO *text* RECORDS EXIST IN THE  
INVENTORY**

**Explanation:** *text* is one of the following:

BASE VOLUME  
DUPLICATE VOLUME  
NON—GROUPED VOLUME  
CARTRIDGE INDEX  
PLACE HOLDER  
GROUP SCRATCH  
GROUP CATALOG

No records of the type requested exist in the inventory.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCLV01

ICBVUT02

---

**IDC0855I CHANGE OF *prm* SUCCESSFUL**

**Explanation:** The specified TUNE command parameter was successfully changed.

In the message text:

*prm* The specified parameter.

**System Action:** The command continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCTU01

---

**IDC0861I NO TAPE DATA SETS OPEN FOR THIS  
CHECKPOINT**

**Explanation:** No type 1 DSDRs were found for this checkid.

**System Action:** Normal processing continues, but the checkpoint is not processed.

**Source:** DFSMSdfp

**Detecting Module:** IDCCK01

---

**IDC0862I DUPLICATE SELECTED CHECKID  
xxxxxxx**

**Explanation:** The same checkid was selected by the user more than once.

In the message text:

xxxxxxx

The duplicated check identification.

**System Action:** Normal processing continues, but the checkpoint is not processed.

**Application Programmer Response:** Check to see if another checkid was intended. Run the job again.

**Source:** DFSMSdfp

**Detecting Module:** IDCCK01

---

**IDC0863I DUPLICATE CHECKPOINT ENTRY  
xxxxxxx**

**Explanation:** A duplicate entry was found for a user-selected checkid already.

In the message text:

xxxxxxx

The duplicated checkpoint entry.

**System Action:** Normal processing continues.

**Source:** DFSMSdfp

**Detecting Module:** IDCCK01

---

**IDC0874I FOLLOWING NOT ALPHABETIC -  
INSUFFICIENT WORK SPACE FOR  
SORT**

**Explanation:** Insufficient virtual storage is available for alphabetically sorting the objects to be listed by a LISTCRA command.

**System Action:** The system does not sort the objects. The system lists the objects in the order in which they are encountered while reading the catalog recovery area.

**Application Programmer Response:** If a sorted listing is desired, run the job with a larger storage allocation.

**Source:** DFSMSdfp

## IDC0877I • IDC0925I

**Detecting Module:** IDCLR01

---

### IDC0877I      **NUMBER OF RECORDS THAT MISCOMPARED IN THIS CRA - *nnn***

**Explanation:** The COMPARE option found a number of records for which a miscompare between the catalog recovery area (CRA) and the catalog occurred.

In the message text:

*nnn*      The number of records miscompared.

**System Action:** The system continues processing.

**Application Programmer Response:** Determine whether recovery is required.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

---

### IDC0888I      **\*\* ENTRY CONTAINS NO DATA RECORDS**

**Explanation:** There are no data records in the virtual storage access method (VSAM) data set to be exported. See the primary message for the name of the data set.

**System Action:** Processing of catalog information only for this data set is attempted. See the primary message for processing result. If processing was successful, then the portable data set contains the necessary information to redefine the data set through IMPORTRA.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

---

### IDC0896I      **MIGRATED ENTRY *dsname* DELETED**

**Explanation:** The migration utility deleted the specified data set.

In the message text:

*dsname*  
      The data set name.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDC DL01

---

### IDC0922I      **'*xxx*' DUMP ELEMENT INVALID FOR SYMBOLIC DUMP**

**Explanation:** The specified dump element in a symbolic dump list has an incorrect type field or the length field is incorrect for the specified type. The condition code remains unchanged.

In the message text:

*xxx*      The specified dump element.

**System Action:** The system ignores the dump element.

**Application Programmer Response:** Correct the length and/or type of the specified dump element.

**Source:** DFSMSdfp

**Detecting Module:** IDCDB02

---

### IDC0923I      **'*xxx*' ARRAY HEADER INVALID FOR SYMBOLIC DUMP**

**Explanation:** The specified array header in a symbolic dump list:

- Has an incorrect extent field. The field must be greater than 0 and less than or equal to 99.
- Has an incorrect item count field. The field must be greater than 0.
- Is an array header within an existing array specification.

The condition code remains unchanged.

**System Action:** The system ignores the array header. Dump elements within the array specification are treated as single, non-arrayed items.

**Application Programmer Response:** Correct the fields of the specified array header.

**Source:** DFSMSdfp

**Detecting Module:** IDCDB02

---

### IDC0924I      **DUMP ROUTINE INVOKED AT '*mac*'**

**Explanation:** The access method services dump routine has been invoked at the specified UDUMP macro, a dump entry point.

In the message text:

*mac*      The macro entry point.

**System Action:** The system provides a dump of the IDCAMS trace tables, as well as symbolic and/or full region dumps, if requested by the IDCAMS user.

**Source:** DFSMSdfp

**Detecting Module:** IDCDB01

---

### IDC0925I      **DUMP *xxx* PRODUCED AT DUMP POINT '*mac*'**

**Explanation:** A dump was requested and produced at the specified UDUMP macro.

In the message text:

*xxx*      The dump identifier.

*mac*      The macro entry point.

**System Action:** The system continues processing.

**Source:** DFSMSdfp



**Detecting Module:** IDCDB01

---

**IDC0932I      STORAGE MANAGEMENT  
SUBSYSTEM CALL FAILED. RETURN  
CODE WAS *rc***

**Explanation:** The subsystem interface was unable to complete successfully the call to the storage management subsystem (SMS).

Register 15 contains a hexadecimal reason code that explains the error:

**Code      Explanation**

- |           |                                                     |
|-----------|-----------------------------------------------------|
| <b>04</b> | SMS does not support the requested function.        |
| <b>16</b> | The function was not completed because of an error. |

**System Action:** The system continues processing.

**Source:** DFSMSDfp

**Detecting Module:** IDCSA11

---

**IDC0934I      STORAGE MANAGEMENT  
SUBSYSTEM EXISTS, BUT IS NOT  
OPERATIONAL.**

**Explanation:** The call to the storage management subsystem (SMS) was unsuccessful because the subsystem is not operational.

**System Action:** The system continues processing.

**Source:** DFSMSDfp

**Detecting Module:** IDCSA11

---

**IDC0935I      STORAGE MANAGEMENT  
SUBSYSTEM DOES NOT EXIST.**

**Explanation:** The system does not recognize the storage management subsystem (SMS) as a valid subsystem.

**System Action:** The system continues processing.

**Source:** DFSMSDfp

**Detecting Module:** IDCSA11

---

**IDC0970I      \*\* NUMBER OF TRACKS = *nnn*; CCHH  
OF NEXT TRACK =X'cchh'**

**Explanation:** The above data could not be restored in the volume table of contents (VTOC).

In the message text:

*nnn*      The number of tracks.

**System Action:** The command continues processing.

**Application Programmer Response:** If the volume is a virtual volume, ignore this error since alternate tracks do not apply for virtual volumes and the problem need

not be corrected. If the volume is a real volume, use the AMASPZAP service aid to place the information from the subsequent message into the VTOC.

**Source:** DFSMSDfp

**Detecting Module:** IDCVS01

---

**IDC0974I      \*\* LAST USE DATE NOT CHANGED  
FOR DATA SET(S) ON VOLUME *volser***

**Explanation:** An attempt to set or clear the date-last-used field for one or more data sets failed on the indicated volume. This message is preceded by a message that specifies the error.

In the message text:

*volser*      The volume serial number.

**System Action:** The system continues processing.

**Application Programmer Response:** Correct the error specified in the previous message. Run the command again to set or clear the date-last-used field.

**System Programmer Response:** Run the IEHLIST utility:

- With LISTVTOC FORMAT: to format and show the volume table of contents (VTOC) for the volume associated with the problem
- With LISTVTOC DUMP: to list the VTOC for the associated volume
- With LISTPDS: to list the directory of the partitioned data set (PDS) associated with the problem

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSDfp

**Detecting Module:** IDCVS03

---

**IDC1002I      RESETCAT CATALOG *catname* VOL  
*volser* LEVEL *timestamp***

**Explanation:** This message indicates the catalog to be reset and the time stamp on the volume.

In the message text:

*catname*  
            The catalog name.

*volser*      The volume serial number.

*timestamp*  
            The time stamp on the volume.

**System Action:** The system continues processing.

**Source:** DFSMSDfp



## IDC01011I • IDC1116I

**Detecting Module:** IDCRS01

---

**IDC01011I**    **CRA CHOSEN FOR RESET - VOL** *volser*  
                  **LEVEL** *timestmp*

**Explanation:** This message indicates the catalog recovery area (CRA) to be reset and the time stamp on the volume.

In the message text:

*volser*    The volume serial number.

*timestmp*  
          The time stamp on the volume.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01

---

**IDC01037I**    *catname* **HAS BEEN RESET**

**Explanation:** This message indicates that RESETCAT processing has been completed for the indicated catalog.

In the message text:

*catname*  
          The catalog name.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01

---

**IDC01049I**    **NON-VSAM/USERCATALOG ENTRIES**  
                  **MOVED TO NEW CATALOG'S CRA**

**Explanation:** This message indicates that RESETCAT processing has moved non-virtual storage access method (VSAM), generation data group (GDG) base, alias, or user catalog entries from the catalog recovery area (CRA) on the old catalog's volume to the CRA on the new catalog's volume.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01

---

**IDC1069I**    **FUNCTION PERFORMED - ERROR**  
                  **UPDATING INVENTORY, CODE =**  
                  **X'cde'.**

**Explanation:** If a Mass Storage Control function was requested, the function was performed by the Mass Storage Control. However, an error prevented the Mass Storage Volume Control Inventory data set from being updated. If Inventory data set updating was requested, at least one record was updated in the Inventory. An error prevented the rest of the records from being updated. The request has been journaled in the Mass

Storage Volume Control Journal data set.

In the message text:

*cde*    The reason code returned from the Mass Storage System Communicator.

**System Action:** The command continues processing. A subsequent function may fail because of the error in the Inventory data set.

**Application Programmer Response:** Investigate the reason code returned from the Mass Storage System Communicator. Contact the system programmer. The Inventory data set should be restored from the backup copy of the Inventory data set and the Journal data set.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

---

**IDC1116I**    **ERROR UPDATING CARTRIDGE**  
                  **LABEL:** *text*

**Explanation:** *text* is one of the following:

VOLUME=*volser*, SEQ=*nnn*  
CSN=*csn* [,CSN=*csn2*]

One of the following has occurred:

- For a REPLACEC command, a Copy Cartridge order resulted in the replacement of one of two cartridges in the indicated volume with the sequence number. An unrecoverable error occurred while the label of the other cartridge was being updated to point to the target cartridge.
- For a COPYV, CREATEV, or SCRATCHV command, a Define Volume or Eliminate Volume order resulted in the cartridges being listed on the scratch cartridge list table. The cartridge or cartridges in error are given an unusable cartridge serial number because the label could not be updated successfully.

In the message text:

*volser*    The volume serial number.

*nnn*    The sequence number.

*csn*

*csn2*    The cartridge serial numbers.

**System Action:** The system completes processing of the failing order. Environmental data that identifies the failing cartridge was logged on the primary processing unit.

**Application Programmer Response:** For a REPLACEC command, if the REPLACEC command detected the error, reissue the command to replace the

other cartridge of the volume, which is indicated by the sequence number. If either the COPYV, CREATEV, or SCRATCHV command detected the error, issue the MODIFYC command with the DIRECTEJECT parameter to move the failing cartridge or cartridges to the exit station. Then issue the NULLIFYC SCRC CSN command to eliminate the records for the ejected cartridges from the Mass Storage Facility.

**Source:** DFSMSDfp

---

#### IDC01120I INCONSISTENT *field*

**Explanation:** The fields do not match in table entries that are otherwise matching. Two secondary messages identify the specific field or attribute values that are inconsistent, and the respective tables and table indices in which the inconsistencies occur.

In the message text:

*field* The inconsistent field.

**System Action:** The system continues processing.

**Application Programmer Response:** Investigate the inconsistency. Issue the DUMPMSS, LISTMSF, or LISTMSVI command to obtain dumps of the table with the inconsistency. If there is any doubt whether the inconsistency is temporary or not, issue the CHECKMSS command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem.

**Source:** DFSMSDfp

**Detecting Module:** IDCCH04

---

#### IDC01121I DUPLICATE *field* REFERENCE FOUND

**Explanation:** More than one table entry references the same field or attribute. All entries should be unique with respect to that field or attribute. Two secondary messages identify the specific field or attribute values that are identical, and the tables and table indices in which the duplicate occurs.

In the message text:

*field* The duplicated field.

**System Action:** The system continues processing.

**Application Programmer Response:** Investigate the duplicate table entries. Issue the DUMPMSS, LISTMSF, or LISTMSVI command to obtain dumps of the table containing the duplicate information. If there is any doubt whether the duplicate is temporary or not, issue the CHECKMSS command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem

reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem.

**Source:** DFSMSDfp

**Detecting Module:** IDCCH04

---

#### IDC01122I SUM=*nnn* OF INDIVIDUAL *counts* FROM *table* NOT EQUAL TO TOTAL VALUE

**Explanation:** The sum of the individual counts or value counts obtained from the specified table does not match the field that should contain the total of the counts or values. A secondary message identifies the total value, and the table and table indices to locate the entry containing the total.

In the message text:

*nnn* The sum of individual counts.

*counts* The specified counts.

*table* The specified table.

**System Action:** The system continues processing.

**Application Programmer Response:** Investigate the inconsistency. Issue the DUMPMSS, LISTMSF, or LISTMSVI command to obtain dumps of the table with the inconsistency. If there is any doubt whether the inconsistency is temporary or not, run the CHECKMSS command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem.

**Source:** DFSMSDfp

**Detecting Module:** IDCCH04

---

#### IDC01123I \*\* VALUE=*value* *table* (*index*)

**Explanation:** This secondary message identifies the value of the field or attribute named in a primary message: the table name containing the field or attribute, and the table indices that identify the particular table entry containing the field or attribute.

In the message text:

*value* The specified value.

*table* The table containing the field.

*index* The index that identifies the table.

**System Action:** The system continues processing.

**Application Programmer Response:** See the programmer response for the primary message.

**System Programmer Response:** Search problem

## IDC01124I • IDC1178I

reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCH04

---

### IDC01124I    **MATCHING** *field=value* **NOT FOUND IN** *table1 TO MATCH table2 (index)*

**Explanation:** An entry in the first table did not have a matching entry in the second table.

In the message text:

*field=value*            Identifies the field or attribute and its value for which a matching entry was not found or was not valid.

*table1*

*table2*                The specified tables.

*index*                The table indices that locate the unmatched entries.

**System Action:** The system continues processing.

**Application Programmer Response:** Investigate the inconsistency. Issue the DUMPMS, LISTMSF, or LISTMSVI command to obtain dumps of the tables with the inconsistency. If there is any doubt whether the inconsistency is temporary or not, run the CHECKMS command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCH04

---

### IDC1141I    **OBJECT NOT SUPPORTED IN CIMODE,** **RECORDMODE USED**

**Explanation:** The programmer requested EXPORT CIMODE for an object that the system cannot process using control interval access. EXPORT CIMODE can only be used for ESDS base clusters that do not have an alternate index.

**System Action:** The system continues processing using EXPORT RECORDMODE.

**Application Programmer Response:** Verify the attributes of the data set the system is exporting.

**Source:** DFSMSdfp

---

### IDC1142I    **OBJECT NOT SUPPORTED IN** **RECORDMODE, CIMODE USED**

**Explanation:** The user has requested EXPORT RECORDMODE for an object that must be processed using control interval access. EXPORT RECORDMODE cannot be used for linear data set (LDS) clusters.

**System Action:** The system continues processing using EXPORT CIMODE.

**Application Programmer Response:** Verify the attributes of the data set being exported.

**Source:** DFSMSdfp

**Detecting Module:** IDCXP0

---

### IDC01146I    **NO DISCREPANCIES FOUND, REPORT** **NOT PRINTED**

**Explanation:** No report was printed by the AUDITMSS command with the CHECK or READLABEL parameter. No discrepancies were found.

**System Action:** The command ends normally.

**Source:** DFSMSdfp

**Detecting Module:** IDCAU03

---

### IDC1147I    **IT IS RECOMMENDED THAT** **DIAGNOSE AND EXAMINE BE RUN** **BEFORE IMPORT OF CATALOG**

**Explanation:** After the EXPORT of an integrated catalog facility catalog and before IMPORT of that catalog, it is recommended to run DIAGNOSE and EXAMINE to detect any possible structure errors and report on the structural integrity of the basic catalog structure (BCS) of the catalog.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCXP01

---

### IDC1178I    **DEFINE SPACE SUBCOMMAND** **IGNORED - CATALOG IS ICF FORMAT**

**Explanation:** A DEFINE SPACE subcommand was found to be oriented to an integrated catalog facility (ICF) catalog. This function is incorrect in the ICF catalog environment and thus this command is ignored.

**System Action:** This is an attention message. The system writes this message with a return code of 4 to call attention to the condition.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

Source: DFSMSdfp

---

**IDC01190I CARTRIDGE *csn* IS NOW A SCRATCH CARTRIDGE**

---

**Explanation:** The cartridge with the specified cartridge serial number is now a scratch cartridge.

In the message text:

*csn* the cartridge serial number of the scratched cartridge.

**System Action:** The system continues processing.

Source: DFSMSdfp

Detecting Module: IDCNC01

---

**IDC01215I LAST RECORD NOT FOUND IN *dsname***

---

**Explanation:** While displaying or copying the requested records, the last record specified in the DATASETRANGE or the REPAIRRANGE parameter was not found in the data set.

In the message text:

*dsname*  
The data set name.

**System Action:** REPAIRV DISPLAY/COPY ends. Control returns to access method services. The return code is 0.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

Source: DFSMSdfp

Detecting Module: IDCRD02

IDCRD06

---

**IDC01236I TRACK *cchh* WAS DEBLOCKED INTO *nnn* RECORDS**

---

**Explanation:** The DEBLOCK function has deblocked the R'0/R'1 pair into a number of records (including R0).

In the message text:

*cchh* Indicates the track.  
*nnn* The number of records the rack was deblocked into.

**System Action:** REPAIRV DEBLOCK has written deblocked records to repair work.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

Source: DFSMSdfp

Detecting Module: IDCRD04

---

**IDC1252I COMMAND ALLOWS NO PARAMETERS - PARAMETERS IGNORED**

---

**Explanation:** This message indicates that for a command defined to have no parameters, some parameters were coded.

**System Action:** The system ignores the parameters but processes the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the control statements for the job.

Source: DFSMSdfp

Detecting Module: IDCRI04

---

**IDC01360I THE FOLLOWING ENTRIES HAD NO ERRORS**

---

**Explanation:** The entries that follow this message passed the DIAGNOSE checks with no errors.

**System Action:** The system lists the entries without errors.

Source: DFSMSdfp

---

**IDC01371I RECORD DISPLAY SUPPRESSED, ALREADY DUMPED**

---

**Explanation:** The record described by message IDC21365I will not be dumped here because the record has already been dumped. If DIAGNOSE is unable to obtain enough storage to show which records have been dumped, suppression of duplicates are suspended.

**System Action:** The system continues processing.

Source: DFSMSdfp

Detecting Module: IDCDA03

---

**IDC01379I NO VVDS ENTRY FOR DSCB NAME *dscbname***

---

**Explanation:** A data set control block (DSCB) with no matching VVDS entry was found.

In the message text:

*dscbname*  
The DSCB name.

**System Action:** The system continues processing the current command.

## IDC01380I • IDC01460I

**Source:** DFSMSdfp

**Detecting Module:** IDCDA02

---

### IDC01380I GENERATION DATA SET FOUND IN DEFERRED ROLL IN STATE

**Explanation:** It is an informational message only. Comparison of GDs is deferred and roll in state and catalog recording continues.

**Detecting Module:** IDCDA01

---

### IDC01381I VVR INTERRUPT RECOGNITION FLAG FOUND ON FOR *dsname*

**Explanation:** During system processing, DIAGNOSE found the interrupt recognition flag (IRF) on in the VSAM volume record (VVR) for the specified data set. The IRF was left on when data facility data set services (DFDSS) was moving the subject data set and had not completed the operation.

In the message text:

*dsname*

The specified data set name.

**System Action:** The system continues processing the current command.

**Application Programmer Response:** Because the VVR may not correctly describe the extent of the data set, do the following:

1. Copy the data set to a new data set.
2. Verify the correct number of records were copied.
3. Delete the old data set.

If the correct number of records was not copied, other methods will be required to restore the data set.

**Source:** DFSMSdfp

---

### IDC01402I SPHERE CONVERSION COMPLETED FOR *dsname*

**Explanation:** The conversion of the specified base sphere and its associations has completed successfully.

In the message text:

*dsname*

The data set name.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

### IDC01407I SPHERE BACKED OUT OF TARGET CATALOG FOR *dsname*

**Explanation:** The specified sphere base and any of its associations defined in the target catalog have been deleted from the target catalog. The reason for this

action is because one of the associations could not be defined in the target catalog and the sphere base and any other associations already defined must be deleted from the target catalog.

In the message text:

*dsname*

The data set name.

**System Action:** The system continues processing with the next base object.

**Application Programmer Response:** Another message will give the name of the object and the reason it could not be defined. Correct this problem. Run the job again.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

### IDC01408I DATA SPACES TO BE DELETED FOR VOLUME *volser*

**Explanation:** During processing of a CNVTCAT command, suballocated entries in a virtual storage access method (VSAM) catalog have been found. The specified volume's VSAM data spaces will be deleted to allow conversion. Unless an error message follows this message indicating the delete failed, the data spaces will have been deleted.

In the message text:

*volser* The volume serial number.

**System Action:** The system continues processing if the delete of the volume's VSAM data space is successful.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

### IDC1412I TRACE ALREADY IN REQUESTED STATE

**Explanation:** The hardware trace is already in the requested state. The Mass Storage System Communicator reason code is X'7F'.

**System Action:** The command completes normally.

**Source:** DFSMSdfp

---

### IDC01460I THE NUMBER OF ENTRIES MERGED WAS *nnn*

**Explanation:** The number of entries merged from the source catalog to the target catalog is specified. This count does not include data or index components.

In the message text:

*nnn* The number of entries merged.

**System Action:** Normal processing continues.



**Source:** DFSMSdfp

**Detecting Module:** IDCRP01

---

**IDC01500I {BIND | UNBIND} SUCCESSFUL FOR  
(SUBSYSTEM CONTAINING) *volser***

**Explanation:** The data was successfully bound or unbound for the device specified or unbound for the subsystem.

In the message text:

*volser* The volume serial number.

**System Action:** The system performed the I/O operation without error.

**Source:** DFSMSdfp

**Detecting Module:** IDCSS03

---

**IDC1502I PASSWORD SUPPRESSION IN MODEL  
OBJECT**

**Explanation:** The password information in the model object was inaccessible because there was insufficient password protection authorization or RACF authorization. This is an informational or attention message that occurs if the password or RACF authorization provided is not high enough to locate the passwords themselves. The passwords were not used for the object being defined.

**System Action:** The system continues processing. The passwords are not modeled.

**Application Programmer Response:** If the passwords are to be modeled, delete the data set. Before redefining, either supply the MASTERPW password of the model object or have your user profile modified so you have RAC-alter access to the model object.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE02

---

**IDC1543I NEW KEYS AND/OR RECORDSIZE  
VALUES EQUAL TO PRIOR DEFAULT  
VALUES.**

**Explanation:** The ALTER command specified the KEYS or maximum RECORDSIZE parameter with values equal to the default values chosen by the DEFINE command. The DEFINE defaults are KEYS (64 0) and RECORDSIZE (4089 4089) for non-spanned record data sets or RECORDSIZE (4086 32600) for spanned record data sets.

**System Action:** The ALTER command continues processing with a condition code of 4, altering any parameters other than KEYS and RECORDSIZE. Incorrect key values also prevent alteration of record size values in the same command.

**Application Programmer Response:** If the default values are not correct, run an ALTER command to correct the values.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC1544I KEYS AND/OR RECORDSIZE VALUES  
EQUAL TO PRIOR NON-DEFAULT  
VALUES**

**Explanation:** The ALTER command specified the KEYS or maximum RECORDSIZE parameter with values equal to those already defined.

**System Action:** The ALTER command continues processing with a condition code of 4, altering any parameters other than KEYS and RECORDSIZE. Incorrect key values also prevent alteration of record size values in the same command.

**Application Programmer Response:** If the specified values are not correct, run an ALTER command to correct the values.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC01551I *type* CACHING STATUS: *stat* FOR SD  
X'ss' DEV X'dd'**

**Explanation:** This message is routed to the systems console by the LISTDATA command in response to a request for status with the WTO parameter.

In the message text:

*type* Identifies the DASD type.

*stat* Status, as follows:

- ACTIVE if the subsystem is active.



## IDC01552I • IDC01554I

- SUBSYSTEM ERROR if an I/O error occurred when requesting status from the subsystem and the model is not 3990 Model 3 or Model 6.
- HOST TERMINATION if a SETCACHE command has been previously issued to turn off caching in the subsystem and the model is not 3990 Model 3 or Model 6.

**ss** The address of the subsystem's caching storage director.

**dd** The channel connection address of the device on which the I/O was done.

**System Action:** The system continues processing. A full status report appears on SYSPRINT or in the alternate data set described in the procedure used to issue the LISTDATA command.

**Source:** DFSMSdfp

**Detecting Module:** IDCBD0I

---

### IDC01552I SUBSYSTEM CACHING STATUS: *stat-DEV X'ddd'*

**Explanation:** This 3990 Model 3 or Model 6 message is routed to the systems console by the LISTDATA command in response to a request for status with the WTO parameter. This message might appear with IDC01553I, IDC01554I, IDC01555I, and IDC01556I.

In the message text:

**stat** Status, as follows:

- ACTIVE if the subsystem is active.
- ACTIVATION PENDING if the cache is being brought online.
- DEACTIVATED-SUBSYS when an internal subsystem error caused caching termination.
- DEACTIVATED-HOST/SF when an explicit host system or support facility request caused caching termination.
- DEACTIVATION PENDING when a request for deactivation has been received and the operation is in progress.
- DEACTIVATION FAILED when a request for deactivation was received and the operation failed. when the status is represented by an undefined bit combination.

**ddd** The device number on which the I/O operation occurred.

**System Action:** The system continues processing. A full status report appears on SYSPRINT or in the alternate data set described in the procedure used to issue the LISTDATA command.

**Operator Response:** If the device associated with this message is attached via the IBM 3990 Model 3 or Model 6 Storage Control, see *IBM 3990/9390*

*Operations and Recovery Guide* for detailed recovery actions.

**Source:** DFSMSdfp

**Detecting Module:** IDCLA01

---

### IDC01553I NVS STATUS: *stat DEV X'ddd'*

**Explanation:** This 3990 Model 3 or Model 6 message is routed to the systems console by the LISTDATA command in response to a request for status with the WTO parameter. This message might appear with IDC01552I, IDC01554I, IDC01555I, and IDC01556I.

In the message text:

**stat** Status, as follows:

- ACTIVE if the nonvolatile storage is active.
- DEACTIVATED-SUBSYSTEM ERROR when an internal subsystem error caused nonvolatile storage termination.
- DEACTIVATED-HOST/SF when an explicit host system or support facility request caused nonvolatile storage termination.
- DEACTIVATION IN PROGRESS when a request for deactivation has been received and the destage is in progress.
- DEACTIVATION FAILED when a request for deactivation was received and the destage failed.
- DISABLED when the nonvolatile storage is disabled for maintenance.

**ddd** The device number on which the I/O operation occurred.

**System Action:** The system continues processing. A full status report appears on SYSPRINT or in the alternate data set described in the procedure used to issue the LISTDATA command.

**Operator Response:** If the device associated with this message is attached via the IBM 3990 Model 3 or Model 6 Storage Control, see *IBM 3990/9390 Operations and Recovery Guide* for detailed recovery actions.

**Source:** DFSMSdfp

**Detecting Module:** IDCLA01

---

### IDC01554I DASD FAST WRITE STATUS: *stat DEV ddd*

**Explanation:** This 3990 model 3 message is routed to the systems console by the LISTDATA command in response to a request for status with the WTO parameter. It may appear with IDC01552I, IDC01553I, IDC01555I, or IDC01556I.

In the message text:

**stat** Status, as follows:

- ACTIVE if DASD fast write is active.
- DEACTIVATION PENDING when transfer of modified DASD fast write data to DASD failed.
- DEACTIVATED when DASD fast write is disabled. combination.

*ddd* The device number on which the I/O operation occurred.

**System Action:** The system continues processing. A full status report appears on SYSPRINT or in the alternate data set described in the procedure used to issue the LISTDATA command.

**Operator Response:** If the device associated with this message is attached via the IBM 3990 Model 3 or Model 6 Storage Control, see *IBM 3990/9390 Operations and Recovery Guide* for detailed recovery actions.

**Source:** DFSMSdfp

**Detecting Module:** IDCLA01

---

**IDC01555I DUPLEX PAIR STATUS: *stat* {PRI | SEC} DEV X'*ddd*' {*pri*|*sec*} DEV X'*xx*'**

---

**Explanation:** This 3990 Model 3 or Model 6 message is routed to the systems console by the LISTDATA command in response to a request for status with the WTO parameter when the device in the status request is part of a duplex pair. This message might appear with IDC01552I, IDC01553I, IDC01554I, and IDC01556I.

In the message text:

*stat* Status, as follows:

- ACTIVE if the duplex pair is active.
- PENDING when the copy to establish a duplex pair is in progress.
- SUSPENDED when the duplex pair is suspended by a host command (for example, SETCACHE SUSPENDPRIMARY), or by the subsystem.

*pri* Indicates that the addressed device is primary.

*sec* Indicates that the addressed device is secondary.

*ddd* The device number on which the I/O operation occurred.

*xx* The channel connection address (CCA) of the other device in the duplex pair returned in the sense subsystem status data.

**System Action:** The system continues processing. A full status report appears on SYSPRINT or in the alternate data set described in the procedure used to issue the LISTDATA command.

**Source:** DFSMSdfp

**Detecting Module:** IDCLA01

---

**IDC01556I CACHE FAST WRITE STATUS: *stat* DEV *ddd***

---

**Explanation:** This 3990 model 3 message is routed to the systems console by the LISTDATA command in response to a request for status with the WTO parameter. It may appear with IDC01552I, IDC01553I, IDC01554I, or IDC01555I.

In the message text:

*stat* Status, as follows:

- ACTIVE if cache fast write is active.
- DISABLED if cache fast write is disabled.

*ddd* The device address (370) on which the I/O operation occurred.

**System Action:** The system continues processing. A full status report appears on SYSPRINT or in the alternate data set described in the procedure used to issue the LISTDATA command.

**Source:** DFSMSdfp

**Detecting Module:** IDCLA01

---

**IDC01557I ACCESS CODE FOR SCU X'*scu*' SC X'*sc*' IS X'*acode*'**

---

**Explanation:** The LISTDATA command to retrieve the remote access authorization code was successful. One message is routed to the systems console for each storage cluster.

In the message text:

*scu* The box serial number.

*sc* The 2 hexadecimal digit storage cluster number.

*acode* The 8 hexadecimal digit remote access code.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCLA01

---

**IDC1561I WKSPC LACKING FOR *dsname***

---

**Explanation:** A larger region size is required for this particular invocation of access method services and LISTCAT.

In the message text:

*dsname*  
The data set name.

**System Action:** The LISTCAT command bypasses the indicated entry and continues processing with a condition code of 4.

**Application Programmer Response:** Run the job again in a larger region for those entries that were bypassed.

## IDC1562I • IDC1566I

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLC02

---

### IDC1562I      *ser* VOLUME SERIAL NUMBER TOO LONG

**Explanation:** A volume serial number exceeds six characters for the LISTCAT SPACE request.

In the message text:

*ser*      The volume serial number.

**System Action:** The LISTCAT command bypasses the indicated entry and continues processing with a condition code of 4.

**Application Programmer Response:** Run the job again with the corrected volume serial numbers.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLC01

---

### IDC1564I      *chartyp* IS AN UNKNOWN TYPE

**Explanation:** An entry returned from the catalog is a type not supported by LISTCAT.

In the message text:

*chartyp*      The unsupported type.

**System Action:** The LISTCAT command bypasses the entry and continues processing with a condition code of 4.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLC01

---

### IDC1565I      *xxx* NOT A REQUESTED TYPE

**Explanation:** A desired entry was not among the types requested.

In the message text:

*xxx*      The desired type.

**System Action:** The LISTCAT command bypasses the specified entry and continues processing with a condition code of 4.

**Application Programmer Response:** Run the job again with the correct type or types specified.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLC01

---

### IDC1566I      \*\* *xxx* NOT LISTED

**Explanation:** One of the following conditions is present:

- An entry name specified in the LISTCAT ENTRIES parameter does not exist in the catalogs to be listed.
- An associated object for a CLUSTER, AIX or GDG group does not exist if LISTCAT was requested with no entry types specified.
- Password verification failed.
- An entry name specified in the ENTRIES parameter was a volume serial number and the catalogs to be listed is an integrated catalog facility (ICF) catalogs.
- A catalog error has occurred.

In the message text:

*xxx*      The entry name.

**System Action:** The system bypasses the designated entry. The system continues processing with a return code of 4.

**Application Programmer Response:** Correct the entry name. Return the job to list only this entry or refer to the documentation for message IDC3009I and respond as indicated for the specified return code and reason code.

If the name should be in the virtual storage access method (VSAM) volume data set (VVDS), run a PRINT of the VVDS to verify the presence of the catalog name.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLC01

---

**IDC1567I    \*\* INVALID CONTROL INTERVAL  
NUMBER *nnn***

**Explanation:** An entry identified by a control interval number in the virtual storage access method (VSAM) catalog does not exist.

In the message text:

*nnn*      The incorrect control interval number.

**System Action:** The system bypasses the designated entry. The system continues processing.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLC01, IDCLC02

---

**IDC1569I    EXPIRATION PARAMETER DOES NOT  
APPLY TO ENTRY TYPE(S)**

**Explanation:** The EXPIRATION option of LISTCAT was specified with entry types that contain either no expiration-date field or an expiration-date field that is never initialized.

**System Action:** LISTCAT continues normally after the attention message, processing the specified entry types. The listing is not restricted by the EXPIRATION option. All specified entry types will be listed.

**Source:** DFSMSdfp

**Detecting Module:** IDCLC01

---

**IDC1574I    CATALOG ENTRY COMPARISON NO  
LONGER FUNCTIONING**

**Explanation:** This message follows the 100th IDC1575I message. Comparison of the backup and target catalog continues but only volume serial number mismatches are listed.

**System Action:** The system continues reload processing.

**Application Programmer Response:** The large number of discrepancies detected between the target and backup catalogs indicate that the reloaded catalog should be used until the LISTCAT output obtained before and after the reload has been carefully checked.

**Source:** DFSMSdfp

**Detecting Module:** IDCRP01

---

**IDC1575I    ONLY {BACKUP|TARGET} DEFINES  
{*dsname*|*ser*}**

**Explanation:** This message indicates that either the backup or target catalog does not contain the data set or volume entry.

In the message text:

*dsname*      The data set name.

*ser*      The volume serial number.

**System Action:** The system continues reload processing.

**Application Programmer Response:** Do one of the following:

- If only the backup defines a data set, the physical data for the data set probably does not exist on the volumes indicated. Delete the catalog entry. Use the DELETE NOERASE option, since the ERASE option may affect other users' data.
- If only the backup defines a volume, the volume is probably no longer owned by this catalog. Delete any data sets indicated as residing on this volume. Then delete the volume.
- If only the target defines a virtual storage access method (VSAM) data set, access to the data set has been lost. Obtain and import (IMPORT command) a backup copy of the data set (output from EXPORT).
- If only the target defines a non-VSAM data set or an alias or generation data group (GDG), reestablish the catalog entries with the DEFINE command.
- If only the target defines a volume, access has been lost to the volume. It cannot be reused by VSAM until the VSAM ownership and data space protection attributes have been removed. Run access method services ALTER REMOVE VOLUME.

**Source:** DFSMSdfp

**Detecting Module:** IDCRP01

---

**IDC1595I    PASSWORDS SUPPRESSED FOR THE  
EXPORTED DATA SET**

**Explanation:** The password and other protection information was inaccessible due to insufficient password or RACF authorization. The portable version of the data set has been created, but without the protection attributes.

When protection information is exported, it does not include the RACF profile, the passwords, and other protection information for the data set. However, the RACF indicator is exported.

**System Action:** The system continues processing the command.

**Application Programmer Response:** If the protection attributes are desired, specify the master level password

## IDC1597I • IDC1632I

or have your user profile modified so it indicates RACF-alter access to the data set.

**Source:** DFSMSdfp

**Detecting Module:** IDCXP01

---

### IDC1597I THE *text* PARAMETER IS INVALID FOR AN ICF CATALOG

**Explanation:** *text* is one of the following:  
INHIBITSOURCE  
INHIBITTARGET  
PERMANENT

An integrated catalog facility (ICF) catalog is to be exported and INHIBITSOURCE or INHIBITTARGET was specified or PERMANENT was specified or defaulted. These parameters are incorrect when exporting an ICF catalog.

**System Action:** The system ignores the incorrect parameter. The system exports the object.

**Application Programmer Response:** If an ICF catalog is being exported, do not specify INHIBITSOURCE or INHIBITTARGET and specify TEMPORARY.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCXP01

---

### IDC01600I CACHING SET {ON | OFF} FOR (SUBSYSTEM CONTAINING) *volser*.

**Explanation:** The I/O operation to set the cache on or off completed successfully.

In the message text:

*volser* The volume serial number.

**System Action:** the system sets the return code to 0.

**Source:** DFSMSdfp

**Detecting Module:** IDCSS03

---

### IDC01603I EQUIPMENT CHECK ON FIRST UNIT ADDRESS, SECOND ADDRESS ACCESSED

**Explanation:** An I/O operation received an equipment check on the first unit address because the first cache storage director could not access the second cache storage director in the subsystem.

**System Action:** The system starts a second I/O operation using the second unit address. The second

unit address makes the second cache storage director accessible.

**Operator Response:** Contact hardware support.

**Source:** DFSMSdfp

**Detecting Module:** IDCSS03

---

### IDC01605I STORAGE DIRECTOR X'*yy*' SET {ON | OFF}, PREVIOUSLY {ON | OFF}

**Explanation:** The SETCACHE command to set the storage director on or off completed successfully.

In the message text:

*yy* Indicates the address of the storage director.

**System Action:** The system sets the return code to 0.

**Source:** DFSMSdfp

**Detecting Module:** IDCSC01

---

### IDC1631I DUPLICATE 'SYS1. DATA SET NAME' IN TARGET CATALOG

**Explanation:** A duplicate SYS1. data set entry was found in the virtual storage access method (VSAM) or integrated catalog facility (ICF) catalog while attempting to convert an OS catalog entry.

**System Action:** An accompanying message identifies the entry not converted. The system does not convert the entry.

**Application Programmer Response:** If duplicates exist and the one on the control volume (CVOL) is the copy wanted in the target catalog, then delete the copy in the target catalog prior to issuing the CNVTCAT command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

### IDC1632I CVOL POINTER '*xxx*' TO VOLUME '*ser*' NOT CONVERTED

**Explanation:** The control volume (CVOL) name was not converted to an alias entry in the virtual storage access method (VSAM) or integrated catalog facility (ICF) master catalog because the CVOLEQUATES parameter was not specified, or was specified but the CVOL volume serial number in the CVOL pointer entry was not the one specified in the parameter.

In the message text:

*xxx* The CVOL pointer.



*ser* The volume serial number.

**System Action:** The system does not convert the entry.

**Application Programmer Response:** Use the DEFINE ALIAS command to create an alias entry in the master catalog.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCCC01

---

**IDC1638I ALIASES OF GENERATION INDEX  
POINTER ENTRIES ARE NOT  
CONVERTED**

**Explanation:** An alias name of an OS catalog generation index pointer entry (GIPE) was encountered. Because aliases of virtual storage access method (VSAM) or integrated catalog facility (ICF) catalog generation data group (GDG) base entries are not allowed, the GIPE alias name is not converted.

**System Action:** The system does not convert the entry.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCCC01

---

**IDC1644I ALTERNATE INDEX KEY NOT IN BASE  
RECORD xxx**

**Explanation:** The base cluster record is not long enough to contain the entire alternate key. If the base cluster is a key-sequenced data set, the specified record is the key of the short base cluster record (up to a maximum of the first ten bytes) expressed in hexadecimal.

If the base cluster is an entry-sequenced data set, the specified record is the relative block address (RBA) of the short base cluster record, given in decimal.

In the message text:

xxx Indicates the base cluster record.

**System Action:** The system bypasses the base cluster record. The record will not be reflected in the alternate index being built. See the subsequent message for the name of the alternate index.

**Application Programmer Response:** After the alternate index is built, delete the short record. Rewrite a long enough record through a user program with the alternate index as part of the upgrade set. The alternate index will be upgraded to reflect this particular base record.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCBI01

---

**IDC1645I NONUNIQUE AIX KEY key PRIME  
{KEY|RBA} IS xxx**

**Explanation:** The alternate index being built was defined with the UNIQUEKEY attribute. That is, the alternate key exists on only one base cluster record. However, multiple occurrences of the same alternate key have been encountered. The system writes this message for each multiple occurrence. The message gives the alternate key first, up to a maximum of the first ten bytes, expressed in hexadecimal.

If the base cluster is a key-sequenced data set, the specified record is the prime key (up to a maximum of the first ten bytes) expressed in hexadecimal.

If the base cluster is an entry-sequenced data set, the specified record is the prime relative block address (RBA) in decimal.

In the message text:

key Indicates the nonunique key.

xxx Indicates the prime key.

**System Action:** An alternate index record is created containing the alternate key and only the first prime key or RBA listed. All subsequent prime keys/RBAs will not be reflected in the alternate index record.

**Application Programmer Response:** If the UNIQUEKEY attribute was correctly specified, then the base cluster is in error. Correct it through a calling program

If the UNIQUEKEY attribute was incorrectly specified:

- and the alternate index was defined with the REUSE parameter, change it to NONUNIQUEKEY using the access method services ALTER command.
- and the alternate index was defined with the REUSE parameter, change it to NONUNIQUEKEY using the access method services ALTER command.
- and the alternate index was not defined with the REUSE attribute, delete the alternate index and redefine it with the NONUNIQUEKEY attribute.



## IDC1646I • IDC01657I

Then rebuild the alternate index using the BLDINDEX Command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCBI01

---

### IDC1646I      *nnnnn* EXCESS PRIME {KEY|RBL} VALUES FOR AIX KEY *key*

**Explanation:** The specified key is the key of an alternate index record that was too short to contain all the prime key or relative block address (RBA) pointer values that occurred for that alternate index key.

In the message text:

*nnnnn*      The number of pointers that could not fit into the record. The name of the alternate index being built is given in a subsequent message.

*key*      Indicates the key.

**System Action:** The alternate index record is created with only those pointers that could fit.

**Application Programmer Response:** Delete the alternate index and redefine it using the access method services commands with a maximum record size long enough to contain the maximum number of pointers for any one alternate key. Then rebuild the alternate index using the BLDINDEX command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCBI01

---

### IDC1653I      *dsname* BUILT WITH ERRORS

**Explanation:** Building of the alternate index has been completed but some non-ending errors were encountered. Non-ending errors consist of:

- Alternate index key not contained in one or more base cluster records.
- Multiple occurrences of one or more alternate keys for an alternate index defined with the UNIQUEKEY attribute.
- One or more alternate index records too short to contain all the prime key or RBA pointers.

All non-ending errors for this alternate index have been identified in messages that precede this message.

In the message text:

*dsname*

The data set name.

**System Action:** The building of the alternate index is complete.

**Application Programmer Response:** Refer to the action outlined for the individual errors.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCBI01

---

### IDC01653I      ALIASES FROM THE PORTABLE DATA SET WERE DEFINED

**Explanation:** The names that follow this message are aliases from the portable data set; they have been defined for the integrated catalog facility catalog being imported.

**System Action:** Processing continues with the aliases defined and listed.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** IDCXP01

---

### IDC01654I      ALIASES FROM THE PORTABLE DATA SET WERE NOT DEFINED

**Explanation:** The names that follow this message are aliases from the portable data set; they have not been defined for the integrated catalog facility catalog being imported.

**System Action:** Processing continues with the aliases listed.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** IDCXP01

---

### IDC01657I      OBJECT WAS SMS-MANAGED WHEN EXPORTED. CHANGED TO UNMANAGED.

**Explanation:** The object of an IMPORT command was SMS managed when it was exported to the portable data set. After processing of the IMPORT command, the object became unmanaged.

**System Action:** The object is imported to unmanaged storage.

**Source:** DFSMSdfp

Detecting Module: IDCMP01

---

**IDC1661I      OUT-OF-SYNC DATA SET  
SUCCESSFULLY EXPORTED (BY  
FORCE)**

**Explanation:** The portable data set contains the necessary information to recreate the data set through IMPORTRA. At the time of export the data set was out of synchronization, caused by a mismatch between time stamps or space information. See the secondary message for the data set name.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

---

**IDC1662I      OUT-OF-SYNC DATA SET NOT  
EXPORTED**

**Explanation:** The virtual storage access method (VSAM) data set named in the message that follows is out of synchronization and the FORCE parameter was not specified. The out-of-synchronization is caused by a mismatch of the space information.

**System Action:** The system bypasses processing of the VSAM data set.

**Application Programmer Response:** If the data set, with its possible problems, is desired, then specify the FORCE parameter on the EXPORTRA command. Run the job again.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

---

**IDC1663I      BYPASSED RELATION *dsname***

**Explanation:** An error occurred or a catalog entry could not be located for a path or an alternate index to a virtual storage access method (VSAM) cluster, an OS/VS alias for a non-VSAM object, or a non-VSAM object associated with an OS/VS2 generation data group.

In the message text:

*dsname*

The name of the cluster, non-VSAM object, or generation data group (GDG).

**System Action:** The system bypasses the related object. The system continues processing of the named object.

**Application Programmer Response:** List the named object after performing an IMPORTRA operation to determine missing related objects and to redefine the related objects.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC02

---

**IDC1664I      ASSOCIATION ERROR, *dsname***

**Explanation:** The named catalog entry described a generation data set having no relationship to any OS/VS2 generation data group, or the entry describes a non-VSAM data set containing other than an OS/VS alias related to it.

In the message text:

*dsname*

The data set name.

**System Action:** The association cannot be processed. The system continues processing of the named object.

**Application Programmer Response:** List the named object after performing an IMPORTRA operation to determine missing related objects and to redefine the related objects.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC02

---

**IDC1667I      VOLUME *volser1* IS OUT-OF-SYNC AND  
LATER THAN VOLUME *volser2***

**Explanation:** The data-set-directory-entry time stamp mismatches the time stamp for the virtual storage access method (VSAM) data set named in the following message. The volumes are out of synchronization, although some of the data sets may still be recoverable.

In the message text:

*ser1*

*ser2*      The volume serial numbers that indicate the volumes that are out of synchronization.

**System Action:** The system bypasses the VSAM data set entry and associations.

**Application Programmer Response:** Get the two volumes in synchronization. Run the job again.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

---

**IDC1678I      \*\* DATA SET EXPORTED WITH MINOR  
ERRORS**

**Explanation:** An error occurred while processing an associated object for an object being exported.

**System Action:** The system bypasses processing of the associated object.

**Application Programmer Response:** See the preceding message to determine the type of error and the recovery procedure.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

**IDC1679I    \*\* OUT-OF-SYNC DATA SET  
EXPORTED WITH MINOR ERRORS**

**Explanation:** An error occurred while processing an associated object for an out-of-synchronization data set. The out-of-synchronization is caused by a mismatch between the time stamps or space information on the various volumes of a multi-volume data set.

**System Action:** The system bypasses processing of the associated object.

**Application Programmer Response:** See the preceding message to determine the type of error and the recovery procedure.

**Source:** DFSMSDfp

**Detecting Module:** IDCRC01

**IDC01700I    INDEXTEST BEGINS**

**Explanation:** The INDEXTEST diagnostic procedure is beginning to process.

**System Action:** The system begins processing.

**Source:** DFSMSDfp

**IDC01701I    DATATEST BEGINS**

**Explanation:** The DATATEST diagnostic procedure is beginning to process.

**System Action:** The system begins processing.

**Source:** DFSMSDfp

**IDC01702I    HIGH-USED RBA IS *rba***

**Explanation:** This message displays the component high-used relative byte address (RBA) in decimal.

In the message text:

*rba*       Indicates the high-used relative byte address.

**Source:** DFSMSDfp

**IDC01703I    HIGH-ALLOCATED RBA IS *rba***

**Explanation:** This message displays the component high-allocated relative byte address (RBA) in decimal.

In the message text:

*rba*       Indicates the high-allocated relative byte address.

**Source:** DFSMSDfp

**IDC01704I    CONTROL INTERVAL SIZE IS *size***

**Explanation:** This message displays the control interval size in decimal.

In the message text:

*size*       Indicates the control interval size.

**Source:** DFSMSDfp

**IDC01705I    CONTROL AREA SIZE IS *size***

**Explanation:** This message displays the control area size in decimal.

In the message text:

*size*       Indicates the control area size.

**Source:** DFSMSDfp

**IDC01706I    RBA IS *rba***

**Explanation:** This message displays a relative byte address (RBA) in decimal.

In the message text:

*rba*       Indicates the relative byte address.

**Source:** DFSMSDfp

**IDC1707I    \*\* OWNER *ownerid* NOT UPDATED IN  
INVENTORY FOR NEW COPY *yyddd***

**Explanation:** The owner data in the volume label of the new copy volume, created on the specified date, could not be updated in the copy volume record or in the cartridge labels.

This condition occurred because the cartridges of an existing copy volume were reused. See the preceding message for further explanation of the problem.

In the message text:

*ownerid*

Indicates the owner of the data.

*yyddd*    The date, in year and days.

**System Action:** The system continues processing.

**Application Programmer Response:** This discrepancy cannot be corrected. The LISTMSVI reports will reflect different owners for the source volume and the designated copy volume, even though the owner data is correct in the volume labels of both volumes.

**Source:** DFSMSDfp

**Detecting Module:** IDCC001

**IDC01707I    CURRENT INDEX LEVEL IS *level***

**Explanation:** This message displays the level of the index being processed when an error is detected.

In the message text:

*level*       Indicates the current index level.

**Source:** DFSMSDfp

---

**IDC01708I    *nnn* CONTROL INTERVALS  
ENCOUNTERED**

**Explanation:** This message indicates the total number of control intervals read.

In the message text:

*nnn*      The number of control intervals.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

---

**IDC01709I    DATATEST COMPLETE - NO ERRORS  
DETECTED**

**Explanation:** The entire data component has been tested and no errors have been found.

**System Action:** The system concludes processing normally.

**Source:** DFSMSdfp

---

**IDC01710I    DATA COMPONENT CONTAINS *nnn*  
RECORDS**

**Explanation:** After DATATEST concludes, this message displays the number of records contained in the data set.

In the message text:

*nnn*      The number of records.

**System Action:** The system concludes processing normally.

**Source:** DFSMSdfp

---

**IDC01711I    DATA COMPONENT CONTAINS *nnn*  
DELETED CONTROL INTERVALS**

**Explanation:** After DATATEST concludes, this message displays the number of unreclaimed empty control intervals.

In the message text:

*nnn*      The number of control intervals.

**System Action:** The system concludes processing normally.

**Source:** DFSMSdfp

---

**IDC01712I    MAXIMUM LENGTH DATA RECORD  
CONTAINS *nnn* BYTES**

**Explanation:** After DATATEST concludes, this message displays the length in decimal of the longest data record encountered.

In the message text:

*nnn*      The number of bytes.

**System Action:** The system concludes processing normally.

**Source:** DFSMSdfp

---

**IDC01713I    DATA CONTROL INTERVAL DISPLAY  
AT RBA *rba* FOLLOWS**

**Explanation:** This message displays the relative byte address (RBA) in decimal of the control interval. The control interval display follows.

In the message text:

*rba*      The relative byte address.

**Source:** DFSMSdfp

---

**IDC01714I    ERROR LOCATED AT OFFSET *offset***

**Explanation:** This message follows a control interval display and specifies the location in hexadecimal of the item in error.

In the message text:

*offset*    The offset.

**Source:** DFSMSdfp

---

**IDC01716I    INDEX KEY FOLLOWS**

**Explanation:** The key value follows this message. Where applicable, two key values follow.

**Source:** DFSMSdfp

---

**IDC01717I    DATA KEY FOLLOWS**

**Explanation:** The key display follows this message.

**Source:** DFSMSdfp

---

**IDC01718I    RECORD UPDATE NUMBER IS *number***

**Explanation:** This message displays the expected update number of the spanned record segment.

In the message text:

*number*    The number of the record update.

**Source:** DFSMSdfp

---

**IDC01720I    INDEX CONTROL INTERVAL DISPLAY  
AT RBA *rba* FOLLOWS**

**Explanation:** This message displays the relative byte address (RBA) in decimal of the control interval. The control interval display follows.

In the message text:

*rba*      The relative byte address.

**Source:** DFSMSdfp

## IDC01722I • IDC01806I

---

### IDC01722I    *nnn* PERCENT FREE SPACE

**Explanation:** After DATATEST concludes, this message displays the percentage of free space in the data set.

In the message text:

*nnn*        The percentage of available space.

**Source:** DFSMSdfp

---

### IDC01723I    ERRORS MAY BE DUE TO CONCURRENT ACCESS

**Explanation:** The catalog OPEN indicator or AMDSB indicates that the data set may have been updated during EXAMINE testing. Some or all of the detected errors may not exist.

**Application Programmer Response:** If possible, run EXAMINE again without any users having the data set OPEN for output. If this is not possible, ensure that the data set is not updated during testing.

**Source:** DFSMSdfp :sysact. The system continues processing.

---

### IDC01724I    INDEXTEST COMPLETE - NO ERRORS DETECTED

**Explanation:** The entire index component has been tested and no errors have been found.

**System Action:** The system concludes processing normally.

**Application Programmer Response:** Run DATATEST to validate the data component.

**Source:** DFSMSdfp

---

### IDC01725I    REFER TO DATA CONTROL INTERVAL DISPLAY FOR RBA *rba*

**Explanation:** This message is issued in lieu of message IDC01713I when an error is detected in a previously-displayed data control interval. This message displays the relative byte address (RBA) in decimal of the data control interval.

In the message text:

*rba*        The relative byte address.

**Source:** DFSMSdfp

---

### IDC01726I    REFER TO INDEX CONTROL INTERVAL DISPLAY FOR RBA *rba*

**Explanation:** This message is issued in lieu of message IDC01720I when an error is detected in a previously-displayed index control interval. This message displays the relative byte address (RBA) in decimal of the index control interval.

In the message text:

*rba*        The relative byte address.

**Source:** DFSMSdfp

---

### IDC1742I    RECATALOG OPTION INVALID FOR VOLUME

**Explanation:** The source volume is not owned by a virtual storage access method (VSAM) catalog. Therefore, the VSAMCATALOG option does not apply.

**System Action:** No recataloging is performed. The command continues processing.

**Application Programmer Response:** Use the IEHPROGM utility or the access method services DELETE and DEFINE commands to recatalog data sets.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01

---

### IDC1784I    NO SCRATCH CARTRIDGES FOUND IN MSF

**Explanation:** No scratch cartridges can be ejected from the Mass Storage Facility (MSF) because there are no cartridges in the MSF.

**System Action:** The command abnormally ends with a message.

**Source:** DFSMSdfp

**Detecting Module:** IDCEC01

---

### IDC01806I    NO VOLUMES WERE SELECTED TO BE PROCESSED

**Explanation:** The volumes specified in the volumes parameter or resolved from the storage group parameter do not exist on the system or are not available for processing.

**System Action:** Processing continues.

**Application Programmer Response:** Ensure that the specified volumes exist and are on line.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.



Source: DFSMSdfp

---

**IDC01811I    NUMBER OF *n* RECORDS PROCESSED  
WAS *xxxx***

**Explanation:** Indicates the number of *n*-type records written to the output data set.

In the message text:

*n*            The type of record written.

*xxxx*        The number of records written.

**System Action:** Processing continues.

Source: DFSMSdfp

---

**IDC1840I    TRACE AREA EMPTY - NO DATA  
DUMPED**

**Explanation:** An attempt was made to dump trace data but the trace areas requested were null.

**System Action:** The command ends normally.

**Application Programmer Response:** Turn the trace on before requesting a dump.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

Source: DFSMSdfp

Detecting Module: IDCTR01

---

**IDC1841I    END OF CURRENT DATA COULD NOT  
BE DETERMINED - ALL DATA DUMPED**

**Explanation:** An attempt was made to dump only current trace data, but the end of the current data was not found. Therefore, all of the trace data was dumped. There may be data from a previous trace period in the output data set.

**System Action:** The command dumped all the data in the requested trace area.

**Application Programmer Response:** Run the trace report program and select only the data from the current trace period for processing.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

Source: DFSMSdfp

Detecting Module: IDCTR01

---

**IDC01850I    SORT PRODUCT CALL  
IDENTIFICATION NUMBER *xxxx***

**Explanation:** *xxxx* represents the identification number of a call to DFSORT (or an equivalent product) by BLDINDEX. This identification number corresponds to the call identifier in DFSORT message ICE200I (or to the identifier in the appropriate message for an equivalent product).

**System Action:** None.

**System Programmer Response:** None.

Detecting Module: IDCBI01

---

**IDC01851I    "NOSORTCALL" invalid parameter for  
extended addressability data set.**

**Explanation:** User must use SORTCALL parameter in BLDINDEX command for building alternate indexes for extended addressability data sets.

**System Action:** Processing for the BLDINDEX STEP/JOB Terminated.

**Application Programmer Response:** Specify sortcall parameter on the BLDINDEX command to build alternate indexes for extended addressability data set.

**System Programmer Response:** IDCBI01

Source: DFSMSdfp

---

**IDC1860I    SELECTED CHECKID, *xxxxxxxx* NOT  
FOUND**

**Explanation:** The checkid listed was selected by the user, but not found in the checkpoint data set.

In the message text:

*xxxxxxxx*

The check identification.

**System Action:** The system continues processing, but the CHECKID is not processed.

**Application Programmer Response:** Verify the checkid spelling, and that the correct checkpoint data set was used.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

Source: DFSMSdfp

Detecting Module: IDCCK01



**IDC1864I NO CHECKPOINTS FOUND ON DATA SET**

**Explanation:** No CHR records were found on the checkpoint data set.

**System Action:** The system abnormally ends CHKLIST.

**Application Programmer Response:** Verify that the correct checkpoint data set was used, then resubmit job.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCK01

**IDC1865I xxxxxxxx ADDITIONAL VOLUME SERIAL NOT FOUND IN CHKPT DATA SET**

**Explanation:** Probable checkpoint logic error. A type 1 or type 2 DSDR indicated the presence of a type 2 DSDR which did not exist.

In the message text:

xxxxxxx

The additional volume serial number.

**System Action:** Incomplete CHKLIST information is listed. The system continues processing with the next checkpoint entry.

**Application Programmer Response:** Keep all related data sets and listing for reference.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCK01

**IDC1866I UNEXPECTED EOF ON CHECKPOINT DATA SET**

**Explanation:** End-of-file occurred while processing DSDRs.

**System Action:** The system abnormally ends the CHKLIST utility.

**Application Programmer Response:** Keep all related data sets and listings for reference.

**System Programmer Response:** If the error recurs

and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCK01

**IDC1867I CURRENT VOLUME NOT FOUND 'xxxxxxx'**

**Explanation:** The volume sequence number exceeded the number of volumes for the indicated ddname.

In the message text:

xxxxxxx

The ddname.

**System Action:** The system continues processing.

**Application Programmer Response:** Keep all related data sets and listings for reference.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCK01

**IDC1870I \*\* IGNORED VSAM ERROR READING CRA - CI 'nn'X**

**Explanation:** A LISTCRA function encountered an I/O error reading a catalog recovery area (CRA) record at the specified control interval.

In the message text:

nn The control interval number in hexadecimal.

**System Action:** The system ignores the record. The system continues processing as long as no more than 50 errors have been encountered while processing the LISTCRA command. When the number of errors reaches 50, the system ends processing.

**Application Programmer Response:** See the preceding message to determine the cause of the I/O error. Correct the problem. Run the job again.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01, IDCCK01

**IDC1871I \*\* IGNORED VSAM ERROR READING CATALOG - CI 'nn'X**

**Explanation:** A LISTCRA function encountered an I/O error reading a catalog record at the specified control interval.

In the message text:

*nn* The control interval number in hexadecimal.

**System Action:** The system ignores the record. The system continues processing as long as no more than 50 errors have been encountered while processing the LISTCRA command. When the number of errors reaches 50, the system ends processing.

**Application Programmer Response:** See the preceding message to determine the cause of the I/O error. Correct the problem. Run the job again.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01, IDCLR02

#### **IDC1875I      ERROR TRANSLATING CRA CI FROM CATALOG CI - 'nn'X**

**Explanation:** An error occurred when translating an entry's catalog control interval number, which points at a related entry, to a catalog recovery area (CRA) control interval before reading the entry.

In the message text:

*nn* The catalog control interval number in hexadecimal.

This will normally result from an incomplete entry definition or an I/O error identified in a preceding message.

**System Action:** The system bypasses the error. The system continues processing. However, there may be minor errors in the list.

**Application Programmer Response:** Restore the volume on which the error occurred to a previous valid condition.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

#### **IDC1878I      xxxxxxxx IGNORED ERROR FROM FIELD MANAGEMENT**

**Explanation:** An error occurred when called by LISTCRA.

In the message text:

xxxxxxx

The LISTCRA procedure in control when the error was detected.

The following list identifies each LISTCRA procedure and the field for which it was searching when it encountered the error:

<b>CATOPEN</b>	The catalog name in the cluster record of the catalog.
<b>CKEYRNG</b>	The high key value in a given catalog recovery area (CRA) record.
<b>CRAOPEN</b>	Either the owning catalog name or the volume serial number in the CRA.
<b>CTTBLD</b>	The entry type of the catalog CI in the CRA record.
<b>GETPRT</b>	The entry type or the entry name in the CRA record.
<b>INTASOC</b>	The associated entry type or entry name fields in the CRA records.
<b>INTSORT</b>	The name in a given CRA record.
<b>INTVEXT</b>	The extension pointer in a given CRA record.
<b>PRTCMP</b>	The used length field in a given CRA record.
<b>PRTDMP</b>	The used length field in a given CRA record.
<b>PRTJVL</b>	The volume information of high key value in a given CRA record.
<b>PRTVOL</b>	The volume time stamp information in a given catalog or CRA record.

**System Action:** The system bypasses the error. The system continues processing. There may be minor errors in the list.

**Application Programmer Response:** Restore the volume on which the error occurred to a previous valid condition.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

#### **IDC1880I      IGNORED I/O ERROR READING VOLUME LABEL**

**Explanation:** A LISTCRA command encountered an I/O error reading the format-4 data set control block (DSCB) in the VTOC to obtain the time stamp information.

**System Action:** The system ignores the error. The system does not print the time stamps.

**System Programmer Response:** If the error recurs and the program is not in error, search problem

## IDC1881I • IDC1885I

reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

---

### IDC1881I IGNORED OPEN FAILURE FOR ALTERNATE OUTPUT DATA SET

**Explanation:** LISTCRA encountered an error attempting to open the alternate output data set.

**System Action:** The system ignores the error. The system uses the output data set.

**Application Programmer Response:** If the output is desired in the alternate data set, determine the cause of the error. Correct the error. Run the job again.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

---

### IDC01880I RECOVERY SET FOR *dsname*

**Explanation:** A SHCDS FRSETRR command was executed for data set *dsname*.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH07

---

### IDC01881I UNBIND SET FOR *dsname*

**Explanation:** A SHCDS FRUNBIND command was executed for data set *dsname*. The locks for the data set have been unbound or disconnected from the data set.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH08

---

### IDC01882I BIND SET FOR *dsname*

**Explanation:** A SHCDS FRBIND command was executed for data set *dsname*. The locks for the data set have been bound or connected to the data set.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH09

---

### IDC01883I RECOVERY RESET FOR *dsname*

**Explanation:** A SHCDS FRRESETRR command was executed for data set *dsname*.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH10

---

### IDC01884I UNBOUND LOCKS DELETED FOR *dsname*

**Explanation:** A SHCDS FRDELETEUNBOUNDLOCKS command was executed for data set *dsname*. Locks being retained for the data set have been removed.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH11

---

### IDC01885I NON-RLS UPDATE PERMITTED FOR *dsname*

**Explanation:** The data set that has been accessed in RLS mode is now permitted to be accessed in non-RLS mode.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH12

---

### IDC01886I NON-RLS UPDATE DENIED FOR *dsname*

**Explanation:** The data set that has been accessed in non-RLS mode is now denied access in non-RLS mode.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH13

---

### IDC01887I SUBSYSTEM *subsystem* REMOVED

**Explanation:** The subsystem with connections remaining for RLS is removed. All lock and subsystem connectivity information is deleted.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH14

---

### IDC1885I CRA RECORD COULD NOT BE READ BY FIELD MANAGEMENT

**Explanation:** The Data Facility Product (DFP) called by LISTCRA to read catalog recovery area (CRA) fields for the miscompare list was unable to return the requested field. This message normally results from an I/O error identified in the preceding message.

**System Action:** The system bypasses the error. The system continues processing. There may be minor errors in the list.

**Application Programmer Response:** Restore the volume on which the error occurred to a previous valid condition. Contact your programming support personnel and make sure the job stream and system output associated with this job is available for problem determination. LRPM is the last access method services diagnostic dump point before the error was detected.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix

exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

#### **IDC1887I    ERROR REFERENCING CRA ON VOLUME *ser* - REASON CODE *cde***

**Explanation:** In opening the catalog recovery area (CRA) there was a problem indicated by the reason code.

In the message text:

*ser*        The volume serial number.

*cde*        The reason code, as follows:

Code	Explanation
3	Time stamp for volume was not obtained.
6	I/O error reading the CRA record.

**System Action:** The system continues processing.

**Application Programmer Response:** This message requires no action, but the problem causing it may cause other messages that may require a response.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

#### **IDC1890I    RACF PROFILE COULD NOT BE DELETED — NOT ELIGIBLE**

**Explanation:** As the result of a DELETE or EXPORT command, a RACF indicated member was successfully deleted. However, the RACF profile for this data set is not eligible for deletion for one of these reasons:

- RACDEF was failed by the installation exit.
- The resource name in the profile was not previously defined to RACF.

**System Action:** The system continues processing the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCL01

#### **IDC1891I    RACF PROFILE COULD NOT BE DELETED — NOT FOUND**

**Explanation:** As the result of a DELETE or EXPORT command, a RACF indicated member was successfully deleted. However, the RACF profile for this data set could not be found.

**System Action:** The system continues processing the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCL01

#### **IDC01895I    DATA SETS SUCCESSFULLY PROCESSED**

**Explanation:** An SHCDS CFREPAIR or CFRESET command was issued. The list of datasets successfully processed is presented.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH15, IDCSH16

#### **IDC1927I    INVALID 'MARGINS' VALUES SPECIFIED, DEFAULT MARGINS ASSUMED**

**Explanation:** The left margin value specified in a MARGINS parameter is not strictly less than the right margin value. At least two character positions must be provided.

**System Action:** The system assumes the default margin values of 2 and 72.

**Application Programmer Response:** Correct the MARGINS specifications.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCPM01

#### **IDC1968I    VSAM TIME STAMP NOT UPDATED IN VTOC OF {FROM|TO} VOLUME *volser***

**Explanation:** An error was encountered reading or updating the volume table of contents (VTOC) so the virtual storage access method (VSAM) time stamp was not updated for the volume.

In the message text:

##### **FROM|TO**

Indicate which value encountered the error for commands that process more than one value.

*volser*    The volume serial number.

**System Action:** The command ends normally if no

## IDC1969I • IDC2011I

functions have been performed yet. If some functions have been performed, the command continues processing.

**Application Programmer Response:** Run the job again if the job was not completed. If the function completed, use the SPZAP service aid to correct the VSAM time stamp or ignore the error.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCVS01

---

### IDC1969I    **ALTERNATE TRACK DATA NOT RESTORED IN VTOC OF TO VOLUME** *volser*

**Explanation:** An error was encountered reading or updating the volume table contents (VTOC) so the alternate track information was not restored in the VTOC of the target volume after the copy of data. A previous message explains the error.

In the message text:

*volser*    The volume serial number.

**System Action:** The command continues processing.

**Application Programmer Response:** If the volume is a Mass Storage Volume, ignore this error since alternate tracks do not apply for Mass Storage Volumes.

If the volume is a real volume, use the AMASPZAP service aid to place the information from the subsequent message into the VTOC.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCVS01

---

### IDC1997I    *catname* **AND ITS DATA SETS TO BE DELETED, REPLY 'Y' TO DELETE 'N' TO CANCEL.**

**Explanation:** This message is an attention that a Catalog is about to be deleted.

In the message text:

*catname*

The Catalog being deleted.

**Operator Response:** Reply 'Y' to delete or 'N' to cancel the command.

**System Programmer Response:** To eliminate the issuance of the WTOR see the Modify Catalog command in MVS/ESA SYSTEM COMMANDS or the DFSMS/MVS MANAGING CATALOG books.

**Source:** DFSMSdfp

**Detecting Module:** IDCCL01

---

### IDC1998I    *vvdname* **AND ITS VVRS AND NVRS ARE ABOUT TO BE DELETED REPLY 'Y' TO DELETE 'N' TO CANCEL.**

**Explanation:** This message is an attention that a VVDS is about to be deleted.

In the message text:

*vvdname*

The VVDS being deleted.

**Operator Response:** Reply 'Y' to delete, or 'N' to cancel the command.

**System Programmer Response:** To eliminate the issuance of the WTOR see the Modify Catalog command in MVS/ESA SYSTEM COMMANDS or the DFSMS/MVS MANAGING CATALOG books.

**Source:** DFSMSdfp

**Detecting Module:** IDCCL01

---

### IDC2011I    **FUNCTION CANNOT BE EXECUTED. INSUFFICIENT MAIN STORAGE.**

**Explanation:** An access method services function has been requested that requires more virtual storage than was available. Reasons for this message being issued by the utility include the attempt to get storage by:

- IDCSS01 to build the output buffer.
- IDCSS02 to add to the work area, or for storage for the SSSCB.
- IDCSS05 to obtain pinned track or dsname areas, or for storage for the SSSCB.
- IDCSS06 for storage for the SSSCB.
- IDCSS07 for storage for the SSSCB.
- asynchronous operations manager (returns a return code 4, reason code 4 to the utility).

**System Action:** The function requested was not performed.

**Application Programmer Response:** Run the job again in a larger address space.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem



reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLM01

#### IDC2035I INVALID ERROR CONVERSION TABLE

**Explanation:** An error was detected in the information transmitted in the Error Conversion Table, when attempting to convert a numeric error code to a prose message.

**System Action:** The conversion request is ended.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

#### IDC2053I STEP CONTAINING JOBCAT/STPCAT REFERENCES SMS-MANAGED DATA SET

**Explanation:** A step that referenced an SMS-managed data set contains one of the following:

- a JOBCAT DD statement
- a STEPCAT DD statement
- both a JOBCAT and a STEPCAT DD statement

**System Action:** The system voids the step action for the SMS-managed data set.

**Application Programmer Response:** Depending on the DD statements present in the step, take one of the following corrective actions:

- Remove the JOBCAT DD statement if there is no need for it.
- Remove the JOBCAT DD statement, and insert STEPCAT DD statements only where required.
- Remove the STEPCAT DD statement if there is no need for it.
- If a single step references one or more SMS-managed data sets and still requires a STEPCAT DD statement, split the step into two or more steps such that those steps referencing any SMS-managed data sets do not require a STEPCAT DD statement.
- Ensure that all referenced integrated catalog facility (ICF) catalogs are connected to the system master catalog.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

#### IDC2054I INVALID AUTHORIZATION TO EXECUTE FUNCTION

**Explanation:** A caller without the proper RACF facility class authorization requested a function that involves a storage management subsystem data set.

**System Action:** The system ends the request.

**Application Programmer Response:** Acquire the proper RACF facility class authorization. Run the job again.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

#### IDC2055I ERROR DURING RETRIEVAL OF ALLOCATION MESSAGES - RETURN CODE WAS *returncode* REASON CODE WAS *rsncode*

**Explanation:** An error occurred during calls to dynamic allocation error message processor program (IEFDB476) to return allocation messages, with the return code, reason code from IEFDB476.

In the message text:

*returncode*      The return code.

*rsncode*          The reason code.

**System Action:** The function terminates.

**Application Programmer Response:** None.

**System Programmer Response:** See the *z/OS MVS Programming: Authorized Assembler Services Guide* for more explanation on the return code and reason code from IEFDB476.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

#### IDC2065I \*\* UNABLE TO CLEAR SERIAL-MISMATCH FLAG FROM INVENTORY RECORD

**Explanation:** A flag indicating a volume serial mismatch between the cartridge labels and the volume label for a Mass Storage Volume could not be cleared from the Inventory data set. See the previous message for further explanation of the problem.

**System Action:** The command ends with an error message.

**Application Programmer Response:** Correct the problem as identified in the previous message and take the following actions for the command that failed:

- For a Rename operation failure for ADDV run ADDV to backout or retry the rename operation if the volume is inactive. If the volume is active, run MODIFYV or STOREV to either backout or retry the rename operation.



## IDC2074I • IDC2075I

If the ADDV, MODIFYV, or STOREV commands are run to recover from a rename failure, a DD statement for the volume is required and must specify deferred mounting.

The values specified for the VOLUME and NEWSERIAL parameters depend upon how the volume record is recorded in the Inventory data set. If the cartridge labels have been updated, the volume record will be identified by the new volume serial number. For the VOLUME parameter, specify the volume serial number as recorded in the cartridge labels and the volume record. For the NEWSERIAL parameter, specify the desired volume serial number. Note that the security check for non-VSAM status and password protected data sets is bypassed only if the NEWSERIAL parameter specifies the same volume serial number as recorded in the Inventory data set for the volume label. This allows the original volume serial number of a VSAM volume to be restored if the volume is left partially renamed.

If ADDV, MODIFYV, or STOREV terminates without indicating the status of the rename operation, LISTMSVI can be run to determine whether the volume is flagged for recovery purposes. If the mismatch flag is set in the volume record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a rename operation failed for the preceding volume and that serial number 'nnnnnn' is recorded in volume label of the volume.

- For a Rename operation failure for MODIFYV, recover from the failure by:
  - Running ADDV to activate the volume if the volume is merely inactive and has no volume serial mismatch condition
  - Running ADDV to both activate the volume and complete the rename operation if the volume is both inactive and has a volume serial mismatch condition
  - Run MODIFYV again to complete or retry the rename operation if the volume is active but has a mismatch condition
  - Run STOREV to complete or retry the rename operation if the volume is active and if a duplicate volume serial number is desired as a result of the rename.

For the DD statement requirements, the proper VOLUME and NEWSERIAL parameter values, and use of LISTMSVI, refer to the description above for an ADDV rename failure.

- For a Rename operation failure for STOREV run STOREV again or run MODIFYV to either backout or retry the rename operation.

For the DD statement requirements, the proper VOLUME and NEWSERIAL parameter values, and use of LISTMSVI, refer to the description above for an ADDV rename failure.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCMV01, IDCSR01

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### IDC2074I      VOLUME *ser* NOT ACTIVE

**Explanation:** The specified volume is not active and is recorded in the Inventory data set as inactive. The command issuing the message requires an active volume.

In the message text:

*ser*      The volume serial number.

**System Action:** Processing of the command ends with a message indicating the final condition code.

**Application Programmer Response:** Run the ADDV command to activate the volume. Run the command again. If the volume is already active but only the record indicates that the volume is inactive, contact the space manager. The Inventory data set may need to be restored from the backup copy and the Journal data set.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCLD01

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### IDC2075I      \*\* VOLUME *volser* CANNOT BE ACTIVATED

**Explanation:** An attempt to make the specified volume active and mountable failed. See preceding message for further explanation of the failure.

In the message text:

*volser*      The volume serial number.

**System Action:** The command ends with an error message.

**Application Programmer Response:** Run the command again after:

- Reentering one or both cartridges if the cartridges are outside the Mass Storage Facility (MSF)
- Correcting the problem as indicated in the preceding message

- Running the EJECTV command to eject the volume and then reentering the cartridges if the cartridges were originally entered while the Mass Storage Volume Control (MSVC) was disabled.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCCV01, IDCMV01

#### IDC2076I    **\*\* CART *csn1* [*csn2*] NOT IN MSF FOR COPY *yyddd***

**Explanation:** The cartridges assigned to the copy created on the indicated date cannot be found in the Mass Storage Facility (MSF). See preceding message for additional information.

In the message text:

*csn1*

*csn2*    The cartridge serial numbers that identify the sequence one and sequence two cartridges not in the MSF.

*yyddd*    The date, in year and days.

**System Action:** The command ends with a message unless additional copies are specified for processing.

**Application Programmer Response:** Correct the condition as indicated in the preceding message. Run the command after:

- Reentering the missing cartridges
- Selecting another copy volume
- If one of the cartridges is lost, running the SCRATCHV command to make the remaining cartridge assigned to the volume scratch cartridge and to delete the record from the Inventory data set
- Running the REMOVEVR command to delete the record for the copy volume if both cartridges are lost

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01, IDCRV01, IDCSV01

#### IDC2078I    **\*\* COPY RECORDS FOR VOL *volser* CANNOT BE RETRIEVED**

**Explanation:** An attempt to access a record in the Inventory data set for an existing copy volume failed. The base volume record indicates additional copy volumes exist. The record for the next copy volume in time stamp sequence cannot be read. See the preceding message for further explanation of the failure.

In the message text:

*volser*    The volume serial number.

**System Action:** The command ends with a message.

**Application Programmer Response:** Correct the error as indicated in the preceding message.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01, IDCLV01, IDCRR01, IDCSV01

#### IDC2079I    **\*\* RECORD FOR GROUP *grpname* CANNOT BE RETRIEVED FROM INVENTORY**

**Explanation:** An attempt to access the record in the Inventory data set for the specified group failed. See the preceding message for further explanation of the failure.

In the message text:

*grpname*

          The group name.

**System Action:** The command ends with a message unless additional groups are specified for processing.

**Application Programmer Response:** Correct the error as indicated in the preceding message. Verify that the group name is specified correctly. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCCV01, IDCLC01, IDCLV01, IDCMG01, IDCMV01, IDCSD01

**IDC2080I    \*\* RECORD FOR VOL *volser* CANNOT BE RETRIEVED FROM INVENTORY**

**Explanation:** An attempt to access the record in the Inventory data set for the specified volume failed. See the preceding message for further explanation of the failure.

In the message text:

*volser*    The volume serial number.

**System Action:** The system sends messages about the job to the job log.

**Application Programmer Response:** Correct the error as indicated in the preceding message. Before running the command again check that the volume serial number is specified correctly.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCCN01, IDCCO01, IDCLD01, IDCLV01, IDCMG01, IDCMV01, IDCRL01, IDCRR01, IDCRV01, IDCSD01, IDCSR01, IDCSV01

**IDC2084I    \*\* CARTRIDGES NOT EJECTED**

**Explanation:** The cartridges assigned to a Mass Storage Volume could not be ejected from the Mass Storage Facility (MSF). If only one cartridge was in the MSF, an attempt to eject that one cartridge failed. See the preceding message for further explanation of the failure.

**System Action:** The command continues processing.

**Application Programmer Response:** Correct the error as identified in the preceding message. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01, IDCEV01, IDCSR01

**IDC2087I    \*\* CART *csn1* [*csn2*] NOT SCRATCHED FOR COPY *yyddd***

**Explanation:** The cartridges assigned to the copy volume created on the indicated date could not be scratched. If only one cartridge was in the Mass Storage Facility (MSF) an attempt was made to scratch

that one cartridge. See the preceding message for further explanation of the failure.

In the message text:

*csn1*

*csn2*    The cartridge serial numbers that identify the sequence one and sequence two cartridges not scratched.

*yyddd*    The date, in year and days.

**System Action:** The command continues processing.

**Application Programmer Response:** Correct the problem as indicated in the preceding message. If the cartridges are out of the MSF, enter the cartridges into the MSF and run the command again. If the cartridges are lost, run the REMOVEVR command to delete the record for the copy from the Inventory data set. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01, IDCSV01

**IDC2091I    \*\* {READONLY|READWRITE} ATTRIBUTE NOT SET FOR VOLUME *volser***

**Explanation:** The specified volume could not be assigned the READONLY or READWRITE attribute. READONLY may be required because the volume belongs to a group which has the READONLY attribute specified for all general-use volumes. See the preceding message for further explanation of the problem.

In the message text:

*volser*    The volume serial number.

**System Action:** The command continues processing.

**Application Programmer Response:** Run the MODIFYV command to change the volume attribute to READONLY or READWRITE.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCCV01, IDCMV01

---

**IDC2093I      \*\* VOLUME ATTRIBUTES NOT  
CHANGED TO AGREE WITH GROUP  
grpname**

**Explanation:** An attempt to change the attributes of a general-use volume failed. The attributes of the volume do not agree with the attributes specified for all general-use volumes belonging to the specified group. See the preceding message for additional information on the problem.

The following are valid attributes:

- bind/nobind
- exclusive/shared
- readonly/readwrite
- dasderase/nodasderase
- pagefault/nopagefault

In the message text:

*grpname*

The group name

**System Action:** The command continues processing.

**Application Programmer Response:** Run the LISTMSVI command to list the information recorded in the Inventory data set about the group. After determining the volume attributes specified at the group level, run the MODIFYV command to update the volume attributes to agree with the group specifications.

If there are many volumes in the group whose attributes do not agree with the group, run the MODIFYG command to request a change of the group attributes. If you specify the same attributes on the MODIFYG command as are recorded already in the group record, MODIFYG will still change the attributes of all the active general-use volumes for the group.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCMV01

---

**IDC2095I      {FROM|TO} VOLUME volser  
INCOMPLETELY RENAMED IN A PRIOR  
OPERATION**

**Explanation:** The specified column cannot be used. A previous MODIFYV, ADDV, or STOREV command ended before completely changing the volume serial number of the volume. The volume serial number on the cartridge labels and in the Inventory record does not agree with the volume serial number in the volume label.

In the message text:

**FROM|TO**

Designate which volume is unusable for those commands processing both a source and target volume having the same volume serial numbers.

*volser* The volume serial number.

**System Action:** The command ends with a message reflecting the severity of the error.

**Application Programmer Response:** Correct the problem as identified in the preceding message and take the following actions for the command that failed:

- For a Rename operation failure for ADDV, run ADDV to backout or retry the rename operation if the volume is inactive. If the volume is active, run MODIFYV or STOREV to either backout or retry the rename operation.

If the ADDV, MODIFYV, or STOREV commands are run to recover from a rename failure, a DD statement for the volume is required and must specify deferred mounting. The values specified for the VOLUME and NEWSERIAL parameters depend upon how the volume record is recorded in the Inventory data set. If the cartridge labels have been updated, the volume record will be identified by the new volume serial number.

For the VOLUME parameter, specify the volume serial number as recorded in the cartridge labels and the volume record. For the NEWSERIAL parameter, specify the desired volume serial number. Note that the security check for non-VSAM status and password protected data sets is bypassed only if the NEWSERIAL parameter specifies the same volume serial number as recorded in the Inventory data set for the volume label. This allows the original volume serial number of a VSAM volume to be restored if the volume is left partially renamed.

If ADDV, MODIFY, or STOREV terminates without indicating the status of the rename operation, LISTMSVI can be run to determine whether the volume is flagged for recovery purposes. If the mismatch flag is set in the volume record, LISTMSVI not only lists the standard information for the volume but also highlights the preceding volume and that serial number *nnnnnn* is recorded in the volume label of the volume.

- For a Rename operation failure for MODIFYV, recover from a MODIFYV by:
  - Running ADDV to activate the volume if the volume is merely inactive and has no volume serial mismatch condition
  - Running ADDV to both activate the volume and complete the rename operation if the volume is both inactive and has a volume serial mismatch condition
  - Running MODIFYV again to complete or retry the rename operation if the volume is active but has a mismatch condition



## IDC2096I

- Running STOREV to complete or retry the rename operation if the volume is active and if a duplicate volume serial number is desired as a result of the rename

For the DD statement requirements, the proper VOLUME and NEWSERIAL parameter values, and use of LISTMSVI, refer to the description above for an ADDV rename failure.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCLD01, IDCSD01, IDCRV01, IDCEV01, IDCMG01, IDCMV01, IDCSR01, IDCSV01, IDCCN01, IDCCO01

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### IDC2096I {FROM|TO} VOLUME *volser* INCOMPLETELY COPIED IN A PRIOR OPERATION

**Explanation:** The specified volume was incompletely copied by the COPYV, RECOVERV, or CONVERTV commands and cannot be used.

In the message text:

#### FROM|TO

Designate which volume is unusable for those commands processing both a source and target volume having the same volume serial number.

*volser* The volume serial number.

**System Action:** The command terminates with a message containing the severity code.

**Application Programmer Response:** Correct the problem as indicated in the preceding message. Then, take one of the following actions for the command that failed:

- For a Copy operation failure in COPYV, run COPYV again to complete the copy operation to the incomplete copy volume. COPYV will reuse the cartridges of the incomplete copy volume for the new copy. Or run SCRATCHV to scratch the incomplete copy volume before rerunning the COPYV command. If COPYV ends without indicating the status of the copy operation, LISTMSVI can be run to determine whether the volume is flagged for recovery purposes. If the incomplete copy flag is set in the copy volume record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a copy operation failed for the preceding copy volume.
- For a Copy operation failure for RECOVERV, run RECOVERV again to complete the recover operation

to the target volume that is flagged as an incomplete copy volume. Otherwise, run SCRATCHV to scratch the target volume. The incomplete copy volume may even be used as the target volume in the CONVERTV command. In all cases, the empty volume table of contents (VTOC) check or security check for password protected data sets is bypassed.

If the SCRATCHV command is run, the DD statement is not required for the volume and if provided, must specify deferred mounting. If the RECOVERV command is run again, the DD statement is not required for the target volume, which is flagged as an incomplete copy, unless the volume serial number of the target volume is different from the source volume. If a DD statement is provided for the target volume, deferred mounting must be specified. If a VSAM catalog is on the volume, a DD statement for the catalog is not required; if provided, deferred mounting must be specified.

If RECOVERV terminates without indicating the status of the recover operation, LISTMSVI can be run to determine whether the volume is flagged for recovery purposes. If the incomplete copy flag is set in the target volume record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a copy operation failed for the preceding volume.

- For a Copy operation failure for CONVERTV, run CONVERTV again to complete the conversion operation to the target volume that is flagged as an incomplete copy volume. Otherwise, run SCRATCHV to scratch the target volume. The incomplete copy volume may even be used as the target volume in the RECOVERV command. In all cases, the empty VTOC check or the security check for password protected data sets is bypassed.

If the SCRATCHV command is run, the DD statement is not required for the incompletely copied volume and if provided, must specify deferred mounting. If a VSAM catalog is on the volume and a DD statement for the target volume must be provided and must specify deferred mounting. If a VSAM catalog is on the volume and a DD statement is provided for the catalog, the DD statement must also specify deferred mounting.

If CONVERTV ends without indicating the status of the conversion operation, LISTMSVI can be run to determine whether the volume is flagged for recovery purposes. If the incomplete copy flag is set in the target volume record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a copy operation failed for the preceding volume.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCCO01, IDCLD01, IDCSD01, IDCSR01, IDCRV01, IDCEV01, IDCMG01, IDCMV01, IDCCN01

---

**IDC2097I {FROM|TO} VOLUME *volser*  
INCOMPLETELY CREATED IN A PRIOR  
OPERATION**

**Explanation:** The specified volume was incompletely created by the CREATEV command and could not be used.

In the message text:

**FROM|TO**

Designate which volume is unusable for those commands processing both a source and target volume having the same volume serial number.

*volser* The volume serial number.

**System Action:** The command ends with a message reflecting the severity of the error.

**Application Programmer Response:** Before creating the volume using the CREATEV command run the SCRATCHV command to scratch the partially created volume. In the SCRATCHV run, there must be no DD statement for the partially created volume. The empty volume table of contents (VTOC) check is bypassed.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCLD01, IDCSD01, IDCSR01, IDCRV01, IDCMG01, IDCMV01, IDCCN01, IDCEV01, IDCCO01

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**IDC2100I CATALOG RETURN CODE FOR  
LOCATE REQUEST WAS *return-code***

**Explanation:** The return code from an OS/VS locate request was specified. The error was detected either in the virtual storage access method (VSAM) or OS Catalog Management. The subsequent message identifies the data set not recataloged. During a CONVERTV operation, if the data set was cataloged in a VSAM user catalog on the converted volume, the data set may have been recataloged, and this message can be ignored.

In the message text:

*return-code*  
The reason code.

**System Action:** The command continues processing.

**Application Programmer Response:** Correct the error. Recatalog the data set using IEHPROGM utility or the access method services DELETE and DEFINE commands.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA07

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**IDC2101I CATALOG RETURN CODE FOR RECAT  
REQUEST WAS *return-code* - REASON  
CODE *rsncde***

**Explanation:** The return code from an OS/VS recatalog request was specified. The reason code in register 0 was specified. A subsequent message identifies the data set not cataloged.

In the message text:

*return-code* The return code.

*rsncode* The reason code.

**System Action:** The command continues processing.

**Application Programmer Response:** Correct the error and recatalog the data set using the IEHPROGM utility or the Access Method Services DELETE and DEFINE commands.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA07

---

**IDC2103I VOLUME IN RECORD CHAIN CANNOT  
BE RETRIEVED**

**Explanation:** An Inventory data set error caused a break in the group or non-grouped volume chain. The next record in the chain either was not found, or the record indicates that it does not belong in the chain being processed. A reason code of X'208' or X'224' was returned from the Mass Storage Volume Control functions. The error may be caused by another command updating the Inventory data set while this command is running.



## IDC2108I • IDC2111I

**System Action:** The system continues processing with the next group if the request is for grouped volumes. If the request is for non-grouped volumes, the system ends processing.

**Application Programmer Response:** Run the command again. If there is a permanent Inventory data set error, contact the system programmer.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCLD01, IDCSD01

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### IDC2108I \*\* UNABLE TO PROCESS VOLUME *ser*

**Explanation:** The specified volume cannot be processed. A preceding message indicates the reason why the volume cannot be processed.

In the message text:

*ser*      The volume serial number.

**System Action:** The command continues with the next volume to be processed. If there are no more volumes, the command ends.

**Application Programmer Response:** Determine from the preceding message whether a problem exists, and correct it. Run the command again to process the volume.

**Problem Determination:** Follow the problem determination steps for the preceding message.

**Source:** DFSMSdfp

**Detecting Module:** IDCLD01, IDCSD01

---

### IDC2109I \*\* REMAINING VOLUMES CANNOT BE PROCESSED

**Explanation:** An error occurred in the Inventory data set that prevents any more volume records from being read. Remaining volumes cannot be processed by the command. A preceding message indicates the type of error encountered with the Inventory data set.

**System Action:** The command ends.

**Application Programmer Response:** Contact the system programmer to correct the problem with the Inventory data set.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the

JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCLD01, IDCSD01

---

### IDC2110I \*\* REMAINING VOLUMES IN GROUP *grpname* CANNOT BE PROCESSED

**Explanation:** An Inventory data set error occurred to prevent processing down the volume chain for the specified group. The problem may be temporary, or the Inventory data set may have permanent errors. A preceding message indicates the type of error encountered with the Inventory data set.

In the message text:

*grpname*  
The group name.

**System Action:** The system continues processing with the next group. If there are no more groups, the command ends.

**Application Programmer Response:** Refer to the preceding message to determine why processing for this group ended. Contact the system programmer to correct the Inventory data set if necessary. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCLD01, IDCSD01

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### IDC2111I \*\* REMAINING GROUPS CANNOT BE PROCESSED

**Explanation:** An error occurred in the Inventory data set that prevented any more group records from being read. A preceding message indicates the type of Inventory data set error.

**System Action:** The command ends.

**Application Programmer Response:** Refer to the preceding message for the type of Inventory data set error.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCLD01, IDCSD01

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**IDC2118I    \*\* SCRATCH RECORD FOR GROUP**  
*grpname* **CANNOT BE RETRIEVED**

**Explanation:** The scratch record for the specified group cannot be retrieved because either:

- The attempt to access a scratch record in the inventory data set for the group failed
- The scratch record did not contain volumes scheduled for processing by the system-initiated scratch function.

See the preceding message for further explanation of the failure.

In the message text:

*grpname*

The group name.

**System Action:** The command ends with this message unless additional groups are specified for processing.

**Application Programmer Response:** Correct the error specified in the preceding message. Before running the command again, check that the group name is specified correctly.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCLV01

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**IDC2119I    \*\* CATALOG RECORD FOR GROUP**  
*grpname* **CANNOT BE RETRIEVED**

**Explanation:** An attempt to access the catalog record in the inventory data set for the specified group failed. See the preceding message for further explanation of the failure.

In the message text:

*grpname*

The group name.

**System Action:** The command ends with this message unless additional groups are specified for processing.

**Application Programmer Response:** Correct the error specified in the preceding message. Verify that the group name is specified correctly. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem

reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCLV01

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**IDC2160I    INVALID REFERENCE TO VOLUME**  
 xxxxxx, **OBJECT BYPASSED**

**Explanation:** EXPORTRA has encountered a virtual storage access method (VSAM) object that references a volume entry that contains no reference to the object. This may be the result of a system failure during a prior delete operation.

In the message text:

xxxxxx Indicates the volume.

**System Action:** EXPORTRA bypasses the VSAM data set and its associations.

**Application Programmer Response:** Copy the data on valid volumes using the REPRO command. Delete the data set using the DELETE command. The data set cannot be opened for output.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

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**IDC2360I    CATALOG ENTRY FOR DATA SET**  
**INDICATES DIFFERENT DEVICE TYPE**

**Explanation:** The ULOCATE function, after locating a data set name in the catalog, determined that the data set resides on a device type other than the catalog indicates, or else a duplicate data set name exists.

**System Action:** The system continues processing with the next data set on the volume.

**Application Programmer Response:** If the device type is incorrect, uncatalog the data set and then recatalog it with the correct device type.

**System Programmer Response:** Issue the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the

## IDC2364I • IDC2372I

job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA07

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### IDC2364I CATALOG ENTRY TYPE FOR DATA SET IS OTHER THAN NON-VSAM

**Explanation:** The ULOCATE function, after locating a data set name in the catalog, determined that the catalog entry type was not for a virtual storage access method (VSAM) data set, or else a duplicate data set name exists.

**System Action:** The system continues processing with the next data set on the volume.

**Application Programmer Response:** If the data set entry is cataloged, rerun the SCRDSSET command after restructuring the STEPCAT concatenation.

**System Programmer Response:** Issue the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA07

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### IDC2370I UNABLE TO READ JFCB FOR DD ENTRY *ddname* RDJFCB CODE *x*

**Explanation:** The system was not able to read the job file control block (JFCB) for the specified DD statement. The RDJFCB macro return code was specified. This condition generally occurs when the DD statement was not supplied.

In the message text:

*ddname*

The data definition name.

*x*

The macro return code.

**System Action:** The command ends normally.

**Application Programmer Response:** Ensure the DD name in the FILE parameter is correct and there is a corresponding DD statement in the JCL statements.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the

JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO05

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### IDC2371I UNABLE TO OBTAIN STORAGE FOR I/O PROCESSING

**Explanation:** There was insufficient storage to perform the necessary I/O processing.

**System Action:** The command ends normally.

**Application Programmer Response:** Increase the region size for the job. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO05

---

### IDC2372I OPEN ABEND EXIT {*dsname*|VTOC}

**Explanation:** The OPEN macro encountered an error that resulted in the OPEN DCB ABEND exit being entered. This error prevented the opening of the data control block (DCB) and stopped further I/O processing. The specified data set or the volume table of contents (VTOC) was being opened.

In the message text:

*dsname*

The data set name.

**System Action:** The command ends normally.

**Application Programmer Response:** Examine the write-to-programmer message issued by the OPEN macro for the specific error code. Correct the problem. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO05

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**IDC2373I    INVALID PASSWORD *dsname***

**Explanation:** One of the following errors occurred:

- The operator did not supply the correct password for the specified non-VSAM data set, for the specified VSAM unique data or index component, or for a data or index component within the specified VSAM data space.
- There is no JOBCAT or STEPCAT DD statement for the VSAM catalog that owns the volume.

In the message text:

*dsname*

The data set name.

**System Action:** The command ends normally. The requested function cannot be performed.

**Application Programmer Response:** If the operator supplied the incorrect password, do the following:

- Tell the system operator the correct password. The operator is prompted for the password that corresponds to:
  1. The data or index component name or code word (VSAM data sets)
  2. The name of the DD statement for the data set (non-VSAM data sets).

Rerun the command.

If there is no JOBCAT or STEPCAT DD statement for the VSAM catalog, do the following:

- Supply a JOBCAT or STEPCAT DD statement for the catalog or supply the master password of the VSAM catalog on the command or via operator prompting. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO05

---

**IDC2374I    CLOSE ABEND EXIT {*dsname*|VTOC}**

**Explanation:** The CLOSE macro encountered an error that resulted in the CLOSE DCB ABEND exit being entered. This error prevented the closing of the DCB and stopped further I/O processing. The specified data set or volume table of contents (VTOC) was being closed.

In the message text:

*dsname*

The data set name.

**System Action:** The command continues processing.

**Application Programmer Response:** Examine the write-to-programmer message issued by the CLOSE macro for the specific error. Correct the problem. Run the command again if the function was not performed.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO05

---

**IDC2375I    \*\*I/O ERROR *volser* IOS RC = *return-code***

**Explanation:** An I/O error occurred from the command.

In the message text:

*volser*

The volume serial number.

*return-code*

The IOS completion code, that comes from the IOSCOD field of the IOSB data area.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** This is a probable subsystem problem. Correct any error. Run the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO05

---

**IDC2376I    SECURITY VIOLATION *dsname***

**Explanation:** One of the following errors occurred:

- The system operator did not supply the correct password for the non-VSAM data set for the virtual storage access method (VSAM) unique data or index component, or for a data or index component within the specified VSAM data space.
- There is no JOBCAT or STEPCAT DD statement for the VSAM catalog that owns the volume.
- The user does not have the proper RACF authorization to the VSAM unique data or index component or for a data or index component within the specified VSAM data space.

In the message text:

*dsname*

The data set name.

**System Action:** The command ends normally. The requested function is not performed.

## IDC2381I • IDC2387I

**Application Programmer Response:** If the operator supplied the incorrect password, tell the system operator the correct password. The operator is prompted for the password that corresponds to the data or index component name or code word (VSAM data sets) or the name of the DD statement for the data set (non-VSAM data sets). Reissue the command.

If there is no JOBCAT or STEPCAT DD statement for the VSAM catalog, supply a JOBCAT or STEPCAT DD statement for the catalog or supply the master password of the VSAM catalog on the command or through the use of operator prompting. Reissue the command.

If the protection violation occurred for a RACF-protected VSAM component, acquire the proper RACF user authorization to all RACF-protected VSAM components on the volume or the VSAM catalog that owns the volume. Reissue the command.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO05

---

### IDC2381I VOLUME WITH SERIAL *volser* ALREADY MOUNTED IN SYSTEM

**Explanation:** After mounting the specified mass storage volume the user control block (UCB) cannot be posted because it causes a duplication of volume label within the system.

In the message text:

*volser* The volume serial number.

**System Action:** The system demounts the mass storage volume. The command ends normally.

**Application Programmer Response:** Run the command again after the volume with the same serial number is demounted.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA06

---

### IDC2386I UNIT ASSIGNED TO *ddname* COULD NOT BE READIED FOR MOUNTING

**Explanation:** The unit assigned by the DD statement cannot be used to mount needed volumes, because a previous volume cannot be demounted.

In the message text:

*ddname*

The data definition name.

**System Action:** The command ends normally.

**Application Programmer Response:** Run the command again. Specify the correct volume serial on the DD statement. If the same unit is assigned to the DD statement and the same error occurs, run the command again after the operator varies the unusable unit offline.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA06

---

### IDC2387I \*\* VOLUME *volser* COULD NOT BE MOUNTED

**Explanation:** The mount of the specified volume is unsuccessful. A preceding message gives the explanation for this error.

In the message text:

*volser* The volume serial number.

**System Action:** The command ends normally.

**Application Programmer Response:** Examine the preceding message and correct the problem. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA06

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**IDC2388I    \*\* VOLUME *volser* COULD NOT BE DEMOUNTED**

**Explanation:** The demount of the specified volume is unsuccessful. A preceding message gives the explanation for this error.

In the message text:

*volser*    The volume serial number.

**System Action:** The command ends normally.

**Application Programmer Response:** Examine the preceding message and correct the problem. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA06

---

**IDC2390I    VOLUME *volser* COULD NOT BE ENQUEUED FOR EXCLUSIVE USE**

**Explanation:** The enqueue of the specified volume for exclusive use cannot be done because the volume serial is enqueued for shared use.

In the message text:

*volser*    The volume serial number.

**System Action:** The command ends normally.

**Application Programmer Response:** Run the command again after the volume is not being used by any other job. Specify the volume serial on the DD statement.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA06

---

**IDC2391I    UNABLE TO ESTABLISH E/STAE ENVIRONMENT - RETURN CODE X'*return-code*'**

**Explanation:** The STAE or ESTAE macro returned a non-zero return code that prevented recovery protection in case of an abnormal end of the command.

In the message text:

*return-code*    The return code.

**System Action:** The system does not continue the function.

**Application Programmer Response:** Examine the return code and correct the problem. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA06

---

**IDC2399I    CATALOG ENTRY FOR DATA SET INDICATES DIFFERENT VOLUME**

**Explanation:** The ULOCATE function, after locating the data set name in the catalog, determined that the data set resides on a different volume than the catalog indicates, or else a duplicate data set name exists.

**System Action:** The system continues processing with the next data set on the volume.

**Application Programmer Response:** Uncatalog the data set, then recatalog it with the correct volume serial number.

**System Programmer Response:** Issue the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA07

---

**IDC2533I    MEMBER CANNOT BE SPECIFIED WITH A GENERIC NAME**

**Explanation:** A generic entry name was given followed by a member name in parentheses, which is not an allowable combination.

**System Action:** The system continues processing.

**Application Programmer Response:** Remove the asterisk (\*) indicating a generic entry name or remove the member name to achieve the desired alteration.

**Source:** DFSMSdfp



## IDC2552I • IDC2559I

**Detecting Module:** IDCAL01

---

### IDC2552I ENTRY TYPE IS INVALID FOR DELETE

**Explanation:** The caller attempted to delete an entry type that cannot be deleted. The only types of entries that can be deleted are as follows:

- Cluster
- User
- Catalog
- Master catalog
- Non-VSAM
- Space
- Alias
- GDG base
- Path and alternate index

**System Action:** The system does not delete the entry. The rest of the entries are deleted if possible.

**Application Programmer Response:** If the caller thinks the entry is one of these types, he should list that entry with LISTCAT to check the type field.

**System Programmer Response:** If the error recurs and the entry type is listed as valid in the LISTCAT, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

### IDC2553I ERASE OPTION IS INVALID FOR ENTRY TYPE

**Explanation:** Only virtual storage access method (VSAM) clusters and alternate indexes can be erased.

**System Action:** The system does not delete the entry. The remaining VSAM entries, if any, are deleted.

**Application Programmer Response:** Submit the request again without the ERASE parameter.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCL01

---

### IDC2554I DYNAMIC ALLOCATION FAILED OR FILE WAS NOT CODED WITH SCRATCH

**Explanation:** A dynamic allocation failed. Preceding messages (prefixed by IKJ) indicate the reason for the failure.

**System Action:** The system ends processing for this entry.

**Application Programmer Response:** Refer to the dynamic allocation error messages or supply a FILE parameter.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job. Obtain the ABEND dump for the failing job step.

**Source:** DFSMSdfp

---

### IDC2557I SCRATCH NOT AVAILABLE FOR TYPE OF OBJECT TO BE DELETED

**Explanation:** The SCRATCH option is incorrect for the entry type being deleted. SCRATCH is incorrect for a virtual storage access method (VSAM):

- Master catalog
- User catalog
- Path
- Alias
- GDG base

**System Action:** The system ends processing for the entry.

**Application Programmer Response:** Ensure that SCRATCH is valid for all entries specified, or do not use the SCRATCH option.

**Source:** DFSMSdfp

**Detecting Module:** IDCCL01

---

### IDC2559I MEMBER CANNOT BE SPECIFIED WITH A GENERIC NAME

**Explanation:** The generic name used is followed by a member name enclosed in parentheses. This combination is incorrect.

**System Action:** The system ends processing for the entry.

**Application Programmer Response:** Remove the asterisk (\*) which indicates a generic entry name or remove the member name.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCL01

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**IDC2563I    ALLOCATION/VOLUME PARAMETER IS INVALID FOR ENTRY TYPE(S)**

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**Explanation:** A LISTCAT command request for allocation or volume information conflicts with the desired entries or types of entries.

**System Action:** The LISTCAT command attempts recovery to list that part of the request that does not conflict.

**Application Programmer Response:** Run the job again with LISTCAT parameters that are compatible with the fields specification.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLC01

---

**IDC2616I    PATH *path* WAS NOT SUCCESSFULLY IMPORTED**

---

**Explanation:** IMPORT was not able to define successfully path over the object being imported. The most likely cause is a duplicate object name already in the catalog.

In the message text:

*path*      The path object.

**System Action:** The system continues processing, attempting to define any remaining paths whose catalog information is stored on the portable data set.

**Application Programmer Response:** Determine if the paths whose defines failed already exist in the catalog. If so, delete and redefine them.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

---

**IDC2618I    INVALID OBJECTS SUBPARAMETER FOR PATH *path***

---

**Explanation:** An OBJECTS subparameter other than NEWNAME or FILE was specified for path object.

In the message text:

*path*      The path object.

**System Action:** The system continues IMPORT processing, attempting to define any remaining paths from the portable data set.

**Application Programmer Response:** Probable user error. Correct the OBJECTS parameter. Submit the job again.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

---

**IDC2620I    OBJECT TYPE NOT SUPPORTED FOR OBJECT *dsname***

---

**Explanation:** A duplicate data set name was found in the virtual storage access method (VSAM) catalog while attempting to convert an OS catalog entry.

The portable data set format is not supported on this system for one of the following reasons:

- The object is empty.
- The object has the NOALLOCATE attribute.
- The object has the SAM ESDS attribute.

In the message text:

*dsname*

The data set name.

**System Action:** An associated message identifies the entry not converted.

**Application Programmer Response:** Resolve the duplicate name.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

---

**IDC2621I    IMPORTRA FAILED FOR *obj***

---

**Explanation:** The object named could not be imported. The preceding messages will give the reason for the failure.

In the message text:

*obj*        The specified object.

**System Action:** The system continues processing with the next object on the portable data set unless one of the following conditions exists:

- A failure occurred while attempting to alter the name of the cluster to or from the dummy name provided in the OUTFILE DD statement. (Message IDC3619I precedes this message.)
- An error occurred while trying to read the portable data set.

In both cases, the command ends.

**Application Programmer Response:** Determine the cause of the failure by examining previous messages on the SYSPRINT output. Correct the indicated error. Run the job again.

**Source:** DFSMSdfp

Detecting Module: IDCRM01

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**IDC2630I      DUPLICATE DATA SET NAME IN  
TARGET CATALOG**

**Explanation:** A duplicate data set name was found in the target catalog while attempting to convert an OS or virtual storage access method (VSAM) catalog entry.

**System Action:** An associated message identifies the entry not converted.

**Application Programmer Response:** Resolve the duplicate name.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

Detecting Module: IDCRM01

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**IDC2640I      *dsname* NOT AN AIX**

**Explanation:** The specified data set is not an alternate index or a path over an alternate index. The data set name was specified in either the:

- Job control identified through the OUTFILE dname subparameter
- OUTDATASET dsname subparameter

The OUTFILE data set must be a defined alternate index or a path over the alternate index.

In the message text:

*dsname*  
The data set name.

**System Action:** The system ends processing for this OUTFILE or OUTDATASET subparameter. However, the system continues processing with any other subparameters specified in the OUTFILE or OUTDATASET parameter.

**Application Programmer Response:** Correct the data set name in the job control identified by the OUTFILE dname subparameter or the data set name specified in the OUTDATASET subparameter to be a defined alternate index or a path over an alternate index. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

Detecting Module: IDCBI01

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**IDC2642I      *dsname* NOT RELATED TO BASE**

**Explanation:** The specified data set is an alternate index or a path over an alternate index, but the alternate index is not related to the base cluster identified by the INFILE or INDATASET parameter. All alternate indexes identified by the OUTFILE or OUTDATASET parameter of the BLDINDEX command must have been defined as being related to the base cluster identified by the INFILE or INDATASET parameter. This relationship is established by the RELATE parameter in the DEFINE ALTERNATEINDEX command.

In the message text:

*dsname*  
The data set name.

**System Action:** The system sends processing for this alternate index. However, the system continues processing for any other alternate indices identified by the OUTFILE or OUTDATASET parameter.

**Application Programmer Response:** Either the alternate index identified by the OUTFILE or OUTDATASET parameter or the base cluster identified by the INFILE or INDATASET parameter must be corrected so that the proper relationship exists. If the alternate index was defined improperly, it must be deleted and redefined with the proper relationship specified in the RELATE parameter. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

Detecting Module: IDCBI01

---

**IDC2647I      INSUFFICIENT STORAGE TO OBTAIN  
BUFFERS AND WORK AREAS**

**Explanation:** BLDINDEX encountered a failure when attempting to obtain storage for buffers, work areas and a minimum sort area. BLDINDEX is the amount of storage required to build one alternate index. The name of the alternate index is given in a subsequent message.

**System Action:** The system ends processing for this alternate index. However, BLDINDEX attempts to process any other alternate indices identified by the OUTFILE or OUTDATASET parameter.

**Application Programmer Response:** Increase the virtual storage region size. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL

and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCBI01

**IDC2648I      JOB CONTROL CARDS FOR  
EXTERNAL SORT MISSING OR IN  
ERROR**

**Explanation:** If this message occurs by itself, the caller specified the EXTERNALSORT parameter, but did not provide the proper job control for the sort work files.

If this message is preceded by IDC2649I or IDC2650I, BLDINDEX was not able to complete an internal sort. Proper job control for the external sort work files was not supplied. The alternate index being built is named in a subsequent message.

**System Action:** The system ends processing for this alternate index. However, BLDINDEX attempts to process any other alternate indices specified by the OUTFILE or OUTDATASET parameter.

**Application Programmer Response:** Correct the external sort work file job control. Submit the job again. Alternatively, provide enough virtual storage so that an internal sort can be performed.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCBI01

**IDC2649I      INSUFFICIENT STORAGE TO  
PERFORM INTERNAL SORT**

**Explanation:** Although BLDINDEX was able to obtain a minimum amount of virtual storage to start the sort, it was less than the amount calculated to be required for the entire sort. This is based on the number of records in the base cluster statistic stored in the virtual storage access method (VSAM) catalog entry for the base cluster. Under these circumstances, BLDINDEX attempts to prepare for an external sort. The system writes this message only when proper job control for the external sort work files was not supplied.

**System Action:** The system ends processing for this alternate index. However, BLDINDEX attempts to process any other alternate indexes specified via the OUTFILE or OUTDATASET parameter.

**Application Programmer Response:** Correct the external sort work file job control, or provide enough virtual storage so that an internal sort can be performed. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem

reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCBI01

**IDC2650I      INSUFFICIENT STORAGE TO FINISH  
INTERNAL SORT**

**Explanation:** During initialization, BLDINDEX calculates the amount of storage required for an internal sort. This calculation is based on the number of records in the base cluster statistic stored in the virtual storage access method (VSAM) catalog entry for the base cluster.

In the case of this message, BLDINDEX was able to obtain enough virtual storage to meet the calculated requirement. However, the statistic was erroneously low, probably due to a failure during a close of the base cluster, and the initial amount of storage obtained was exhausted. Under these circumstances, BLDINDEX must perform an external sort. The system issues this message only when proper job control for the external sort work files was not supplied.

**System Action:** The system ends processing for this alternate index. However, BLDINDEX attempts to process any other alternate indices specified by the OUTFILE or OUTDATASET parameter.

**Application Programmer Response:** Correct the sort work file job control. Alternatively, delete the alternate index. Use the EXPORT command to create a portable copy of the base cluster, followed by an IMPORT command to rebuild the base cluster. This will correct the erroneous statistic. Then redefine the alternate index. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCBI01

**IDC2651I      DEFINE OF SORT WORK FILES  
FAILED**

**Explanation:** In preparing for an external sort BLDINDEX attempts to define dynamically two sort work files. However, the define was rejected by virtual storage access method (VSAM) catalog management. This message is preceded by either message IDC3007I or IDC3009I giving the VSAM catalog return code. Refer to the appropriate message for an explanation of the code.

**System Action:** The system ends processing for this alternate index. However, BLDINDEX attempts to

## IDC2654I • IDC2658I

process any other alternate indexes specified by the OUTFILE or OUTDATASET parameter.

**Application Programmer Response:** Correct the error as explained for the return code. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCBI01

---

### IDC2654I *dsname* WAS NOT BUILT

**Explanation:** An error was encountered for the alternate index. The message containing the error precedes this message.

In the message text:

*dsname*

The data set name.

**System Action:** The system ends processing for this alternate index. However, BLDINDEX attempts to process any other alternate indexes identified by the OUTFILE or OUTDATASET parameter.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCBI01

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### IDC2655I UNABLE TO LOCATE ATTRIBUTES OF *dsname*

**Explanation:** The virtual storage access method (VSAM) catalog locate function issued by BLDINDEX has been unable to obtain all the necessary information regarding the entry. This indicates a serious catalog error since the information requested should be present for all catalog entries, as follows:

- Entry type
- Associated objects
- AMDSB control block for data objects

In the message text:

*dsname*

The data set name.

**System Action:** If the specified data set name is the base cluster, the system ends BLDINDEX processing. If it is an alternate index or a path over an alternate index, the system ends processing for the alternate index.

BLDINDEX attempts to process any other alternate indices identified by the OUTFILE or OUTDATASET parameter.

**Application Programmer Response:** Follow the problem determination actions.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCBI01

---

### IDC2656I LOCATE FAILED FOR *dsname*

**Explanation:** The virtual storage access method (VSAM) catalog locate function issued against the base cluster or alternate index failed. Message IDC3009I precedes this message and gives the catalog return code. Refer to that message for an explanation of the code.

The locate failure may have been against the named object or an object associated with the named object.

In the message text:

*dsname*

The data set name specified by the INFILE/INDATASET or OUTFILE/OUTDATASET parameter.

**System Action:** If the failure is associated with the base cluster, the system ends processing for the entire BLDINDEX command.

If the failure is associated with an alternate index, the system ends processing for the alternate index. However, BLDINDEX attempts to process any other alternate indices identified by the OUTFILE or OUTDATASET parameter.

**Application Programmer Response:** Correct the error as explained for the return code. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCBI01

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### IDC2658I SORT PRODUCT FAILED

**Explanation:** BLDINDEX has invoked DFSORT (or an equivalent product) to sort the alternate index. An error has occurred during this processing.



**System Action:** The system stops processing the command.

**System Programmer Response:** Correct the error as indicated in the preceding messages if they exist. If no preceding messages exist, check the DFSORT (or equivalent product) message data set for detailed information on the cause of the failure. If SORTMESSAGELEVEL(ALL) was specified use the call identifier to find the set of DFSORT (or equivalent product) messages for this call (see IDC01850I and DFSORT message ICE200I or the appropriate message for an equivalent product), and correct the DFSORT (or equivalent product) error that caused the failure.

**Detecting Module:** IDCBI01

**IDC2660I      INVALID ENTRY TYPE IN CATALOG,  
OBJECT BYPASSED**

**Explanation:** The entry type field indicates the object being exported is not one of the following:

- A virtual storage access method (VSAM) cluster
- Alternate index
- User catalog
- Non-VSAM object
- OS/VS2 generation data group (GDG)

**System Action:** The system ends processing for the object.

**Application Programmer Response:** Redefine the object in error. For the object name, see the following second-level message.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCRC01

**IDC2666I      ENTRY NAME SPECIFIED CANNOT BE  
FOUND IN SPECIFIED CRA**

**Explanation:** The data set named in the ENTRIES parameter of the EXPORTRA command cannot be found in the catalog recovery area (CRA) specified. See message IDC0674I for the name of that unlocated data set.

**System Action:** The system ends processing of this object. The system begins processing of the next object.

**Application Programmer Response:** Verify the name and CRA of the data set to be exported using the LISTCRA command.

**Source:** DFSMSDfp

**Detecting Module:** IDCRC01

**IDC2668I      DATA SET NOT EXPORTED, VOLUME  
*ser* REQUIRED BUT NOT SUPPLIED**

**Explanation:** Synchronization checking was attempted on a volume not included in the list of volumes in the catalog recovery area (CRA) keyword.

In the message text:

*ser*      The volume serial number.

**System Action:** The system does not process the virtual storage access method (VSAM) entry.

**Application Programmer Response:** Add the volume serial number to the CRA keyword. Run the job again.

**Source:** DFSMSDfp

**Detecting Module:** IDCRC01

**IDC2671I      WILL NOT PROCESS CRA ON VOLUME  
*ser*, DIFFERENT CATALOG NAME**

**Explanation:** This volume does not belong to the catalog named in the following message.

In the message text:

*ser*      The volume serial number.

**System Action:** The system discontinues processing of this volume.

**Application Programmer Response:** Run the job with the correct catalog name.

**Source:** DFSMSDfp

**Detecting Module:** IDCRC01

**IDC2673I      CONFLICTING JCL SPECIFICATIONS  
FOR DNAME *dname***

**Explanation:** Incorrect volume information was specified in the JCL or EXPORTRA command. Either the catalog recovery area (CRA) DNAME is missing from the job control or is not specified correctly in EXPORTRA, or more than a single volume is specified in the job control for a CRA.

In the message text:

*dname*      The specified DNAME.

**System Action:** The system ends processing for this request.

**Application Programmer Response:** Correct the volume information in error. Run the job again.

**Source:** DFSMSDfp

**Detecting Module:** IDCRC01



**IDC2675I      DUPLICATE NAME ENCOUNTERED,  
NAME ON VOLUME *ser* BYPASSED**

**Explanation:** Duplicate names were found in the catalog recovery areas (CRA) on two different volumes.

In the message text:

*ser*      The volume serial number.

**System Action:** The system skips the name specified in the following second-level message.

**Application Programmer Response:** If the copy of the data set skipped was on a volume not to be skipped, run the job again specifying only the desired volume and data set.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

**IDC2677I      \*\* DATA SET NOT EXPORTED**

**Explanation:** An error occurred or a catalog field could not be located for the object being exported.

**System Action:** The system ends processing for the EXPORTRA command.

**Application Programmer Response:** Determine the type of error from the preceding message, and redefine the object.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

**IDC2681I      \*\* VOLUME *volser* NOT CREATED**

**Explanation:** The volume was not created for the specified volume serial number. A preceding message explains the error.

In the message text:

*volser*      The volume serial number.

**System Action:** The command does not attempt to create any subsequent volumes and ends normally.

**Application Programmer Response:** Correct the error as indicated in the preceding message. Run the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

**IDC2684I      \*\* VOLUME *volser* NOT INITIALIZED**

**Explanation:** The newly created volume was not initialized with a volume label and an empty volume table of contents (VTOC). A preceding message explains the error.

In the message text:

*volser*      The volume serial number.

**System Action:** The command scratches the partially created volume and ends processing normally.

**Application Programmer Response:** Correct the error as indicated in the preceding message. Run the command again, requesting creation of the volumes not created.

**Source:** DFSMSdfp

**Detecting Module:** IDCCV01

**IDC2685I      \*\* NO ATTEMPT MADE TO CREATE  
ADDITIONAL VOLUMES**

**Explanation:** An error occurred preventing the creation of all volumes requested. A preceding message explains the error.

**System Action:** The command ends normally.

**Application Programmer Response:** Correct the error indicated in the preceding message. Run the command again, requesting creation of the volumes not created.

**Source:** DFSMSdfp

**Detecting Module:** IDCCV01

**IDC2687I      \*\* PARTIALLY CREATED VOLUME  
*volser* NOT SCRATCHED**

**Explanation:** The partially created volume was not scratched during back out because an error occurred. A preceding message explains the error.

In the message text:

*volser*      The volume serial number.

**System Action:** The command ends normally. The volume record in the Inventory data set for the volume indicates the volume was incompletely created.

**Application Programmer Response:** Correct the error indicated in the preceding message.

Run SCRATCHV to scratch the partially created volume before running CREATEV again to recreate the same volume. A DD statement is not required even if the partially created volume is active. If a DD statement is provided, deferred mounting must be specified. SCRATCHV bypasses the empty volume table of contents (VTOC) check of the partially created volume.

If CREATEV ends without indicating the status of the volume create operation, run LISTMSVI to determine whether the volume is flagged for recovery purposes. If the incomplete create flag is set in the volume record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a create operation failed for the preceding volume.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem

reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCV01

**IDC2688I    \*\* INCOMPLETE VOLUME CREATION  
FLAG NOT RESET FOR VOLUME *volser***

**Explanation:** The recovery flag for incomplete volume creation was not turned off in the Inventory record after new volume creation was completed for the specified volume. A preceding message explains the error.

In the message text:

*volser*    The volume serial number.

**System Action:** The command scratches the partially created volume.

**Application Programmer Response:** Correct the error indicated in the preceding message. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCV01

**IDC2689I    INSUFFICIENT NUMBER OF  
CARTRIDGES SPECIFIED ON  
COMMAND**

**Explanation:** The number of cartridges specified in the CARTRIDGE parameter is insufficient to create the number of new volumes requested.

**System Action:** The command creates as many volumes as possible before ending normally.

**Application Programmer Response:** Specify sufficient cartridges in the CARTRIDGE parameter for all volumes to be created or do not specify any cartridges in the CARTRIDGE parameter. Run the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCCV01

**IDC2752I    \*\* CARTS *csn1 cns2* NOT SCRATCHED  
FOR *volser***

**Explanation:** The requested volume was not scratched.

In the message text:

*csn1*

*csn2*    The unscratched cartridges.

*volser*    The volume serial number.

**System Action:** The command ends normally.

**Application Programmer Response:** Correct the error indicated in the preceding message. Run the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCCV01

**IDC2753I    VOLUME *volser* NOT SCRATCHED,  
COPIES EXIST**

**Explanation:** The base volume was not scratched because copies still exist.

In the message text:

*volser*    The volume serial number.

**System Action:** The command ended normally.

**Application Programmer Response:** Correct the error that prevented the copies from being scratched. Run the command again, specifying the ALL parameter.

**Source:** DFSMSdfp

**Detecting Module:** IDCSV01

**IDC2761I    \*\* RECORD FOR COPY *yyddd* NOT  
REMOVED**

**Explanation:** The volume copy record created on the indicated date was not removed from the Inventory data set. A preceding message explains the reason for the error.

In the message text:

*yyddd*    The date, in year and days.

**System Action:** The command either continues processing or ends depending on the severity of the error encountered.

**Application Programmer Response:** Correct the error indicated in the preceding message. Run the command again to remove records not removed.

**Source:** DFSMSdfp

**Detecting Module:** IDCSV01

**IDC2762I    \*\* RECORD FOR VOLUME *volser* NOT  
REMOVED**

**Explanation:** The volume record was not removed from the Inventory data set. A preceding error message explains the reason for the error.

In the message text:

## IDC2764I • IDC2800I

*volser* The volume serial number.

**System Action:** The command ends normally.

**Application Programmer Response:** Correct the error indicated in the preceding message. Run the command to remove the volume record.

**Source:** DFSMSdfp

**Detecting Module:** IDCRR01

---

### IDC2764I CARTRIDGES STILL IN MASS STORAGE FACILITY

**Explanation:** The REPLACEVOLUME keyword is specified, but the base volume cartridges have been reentered into the Mass Storage Facility (MSF) while the Mass Storage Volume Control was disabled.

**System Action:** The system bypasses the request. The remaining requests will be attempted.

**Application Programmer Response:** When the Mass Storage Volume Control is enabled, eject the base volume from the Mass Storage Control and reenter it.

**System Programmer Response:**

Issue the following access method services commands:

- MSS LISTMSF for mountable volumes
- MSS LISTMSF with the CARTRIDGES parameter
- PRINT to list the contents of the mass storage volume control inventory data set
- LISTMSVI
- LISTMSF with the ALL parameter

**Source:** DFSMSdfp

**Detecting Module:** IDCRR01

---

### IDC2765I RECORD FOR VOLUME *volser* NOT REMOVED. RECORD FOR COPY EXISTS

**Explanation:** A copy volume record still exists. Therefore, the base volume record for the specified volume cannot be removed. See a preceding message for the error that prevented removal of all copy records.

In the message text:

*volser* The volume serial number.

**System Action:** The command ends normally.

**Application Programmer Response:** Correct the error indicated in the preceding message. Run the REMOVEVR command again with the ALL parameter.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCRR01

---

### IDC2782I \*\* SCRATCH CARTRIDGE *csn* NOT EJECTED

**Explanation:** The requested scratch cartridge could not be ejected. See the preceding message for further explanation of the problem.

In the message text:

*csn* The cartridge serial number.

**System Action:** The system continues processing.

**Application Programmer Response:** Correct the problem as identified in the preceding message. Run the command again to eject the cartridge.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCEC01

---

### IDC2800I ATTRIBUTES COULD NOT BE CHANGED FOR REMAINING VOLUMES IN GROUP

**Explanation:** Although the group level attributes have been successfully changed in the group record in the Inventory data set, the attributes cannot be changed for the general-use volumes remaining in the group because storage for an event control block (ECB) and message area cannot be obtained or a base volume record cannot be retrieved from the Inventory data set.

The following are valid attributes:

- bind/nobind,
- readonly/readwrite
- dasderase/nodasderase
- exclusive/shared,
- pagefault/nopagefault

**System Action:** The command ends with a message.

**Application Programmer Response:** Correct the problem as identified in a preceding message. To determine the number of additional volumes in the group that must be updated, run the LISTMSVI command. Run the command again if a large number of volumes remain to be updated. Otherwise, run the MODIFYV command to change the volume attributes of each volume if the number of remaining volumes is small.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the

JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCMG01

**IDC2801I    \*\* ATTRIBUTES NOT CHANGED FOR  
VOLUME *volser***

**Explanation:** Although the attributes have been changed in the group record, the attributes of the specified volume cannot be changed. The volume may be currently mounted, marked in the Inventory data set for recovery purposes, or unavailable for another reason. See the preceding message for further explanation of the problem.

The following are valid attributes:

- bind/nobind
- readonly/readwrite,
- dasderase/nodasderase
- exclusive/shared
- pagefault/nopagefault

**System Action:** The system continues processing.

**Application Programmer Response:** Correct the problem as identified in the preceding message. Run the MODIFYV command to change the volume attributes of each volume that could not be updated.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCMG01

**IDC2821I    \*\* *text* REPORT NOT PRODUCED**

**Explanation:** *text* is one of the following:  
SCRATCH CARTRIDGE  
MOUNTABLE VOLUME  
NON-MOUNTABLE VOLUME

The indicated report was not produced due to a previously identified error.

**System Action:** The command continues with the next report.

**Application Programmer Response:** Check the previous error message for the cause of the failure. Correct the error. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix

exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCLM01

**IDC2823I    \*\* *text* TOTAL COULD NOT BE  
CALCULATED**

**Explanation:** *text* is one of the following:  
SCRATCH CARTRIDGE  
MOUNTABLE VOLUME  
NON-MOUNTABLE VOLUME  
EMPTY CELL

Because of an error, the summary count information could not be calculated. A previous message explains the error.

**System Action:** The command continues processing, but the indicated count is not listed.

**Application Programmer Response:** Correct the error identified in the previous message. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCLM01

**IDC2831I    \*\* RECORD CHAIN BROKEN, REST OF  
CHAIN NOT LISTED**

**Explanation:** The record could not be found for a volume recorded in the Inventory data set as part of a chain of non-grouped volumes or a chain of volumes belonging to a specific group. See the preceding message for further explanation of the error.

**System Action:** The system continues processing.

**Application Programmer Response:** Correct the error as indicated in the preceding message. Run the command again to list volumes that could not be listed.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCLV01

---

**IDC2833I    \*\* CARTRIDGE RECORD *csn* NOT FOUND IN INVENTORY**

**Explanation:** The cartridge record for the cartridge cannot be found in the Inventory data set.

In the message text:

*csn*        The cartridge serial number.

**System Action:** The system continues processing.

**Application Programmer Response:** Correctly specify the cartridge serial number. Run the job again. If the problem is not the result of a user error, contact the space manager.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCLV01

---

**IDC2843I    FUNCTION SUSPENDED DUE TO I/O ERROR - RECORDS DUMPED *nnn***

**Explanation:** While dumping trace data records, an I/O error was encountered and no further processing was possible. A preceding message explains the I/O error.

In the message text:

*nnn*        The number of records dumped.

**System Action:** No more data was dumped. The command ends normally.

**Application Programmer Response:** Run the command again to get the remaining trace data. If the problem continues, reallocate and recatalog the data set which is getting I/O errors.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCTR01

---

**IDC2853I    \*\* DISPLAY OF *prm* NOT SUCCESSFUL**

**Explanation:** An attempt to retrieve the information for the indicated tuning parameter failed. See preceding message for an explanation of the error.

In the message text:

*prm*        The tuning parameter.

**System Action:** The command ended normally. The system does not display more parameters.

**Application Programmer Response:** Correct the error. Run the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCTU01

---

**IDC2854I    \*\* CHANGE OF *prm* NOT SUCCESSFUL**

**Explanation:** An attempt to change the specified TUNE command parameter failed. See preceding message for an explanation of the error.

In the message text:

*prm*        The indicated parameter.

**System Action:** The command ends normally. The system does not change any more tuning parameters.

**Application Programmer Response:** Correct the error. Run the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCTU01

---

**IDC2872I    CRA IS OWNED BY *catname***

**Explanation:** The catalog recovery area (CRA) on this volume belongs to a catalog other than the one for which COMPARE was specified.

In the message text:

*catname*  
            The catalog name.

**System Action:** The system ignores the COMPARE option. The system continues processing.

**Application Programmer Response:** Specify the correct catalog in the CATALOG parameter. Run the job again.

**Source:** DFSMSdfp

**Detecting Module:** IDCTU01

---

**IDC2873I    \*\* COMPARE OPTION IGNORED**

**Explanation:** The catalog recovery area (CRA) on this volume cannot be opened or belongs to a catalog other than the one for which COMPARE was specified. If an error occurred in open, a preceding message gives the cause.

**System Action:** The system ignores the COMPARE option of the LISTCRA command. The system continues processing.

**Application Programmer Response:** Specify the correct catalog name in the CATALOG parameter or correct the cause of the Open error. Run the job again.



**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

---

#### IDC2876I IGNORED VERIFY FAILURE FOR CRA

**Explanation:** When a catalog recovery area (CRA) is opened, a VERIFY is issued by LISTCRA to set up the proper end-of-file condition. The VERIFY was unsuccessful.

**System Action:** The system ignores the error. The system continues processing. An incomplete listing of the contents of the catalog recovery area may result.

**Application Programmer Response:** Restore the volume on which the error occurred to a previous valid condition.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

---

#### IDC2879I CATALOG NOT LOCKED UP FOR THIS EXECUTION

**Explanation:** LISTCRA was unable to gain exclusive control of the catalog. One or more other programs may be updating the catalog during LISTCRA processing.

**System Action:** The system continues LISTCRA processing. Some listing errors or miscompares may result if a catalog or recovery area entry is updated during LISTCRA processing.

**Application Programmer Response:** If the accuracy of this catalog recovery area (CRA) listing can be doubted, run the job again when no other programs are accessing the catalog.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

---

#### IDC2882I VSAM ERROR READING CRA CONTROL RECORD

**Explanation:** A LISTCRA command encountered an error reading the control record in the catalog recovery area (CRA) to determine the size of the table necessary for its processing.

**System Action:** The system ends processing for this CRA.

**Application Programmer Response:** Restore the volume on which the error occurred to a previous valid condition.

**System Programmer Response:** If the error recurs and the program is not in error, search problem

reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

---

#### IDC2884I IGNORED VERIFY FAILURE FOR CATALOG

**Explanation:** When a catalog is opened, a VERIFY command is issued by LISTCRA to set up the proper end-of-file condition. The VERIFY was unsuccessful.

**System Action:** The system ignores the command. The system continues processing. Erroneous miscompares or I/O errors may result.

**Application Programmer Response:** Restore the volume on which the error occurred to a previous valid condition.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

---

#### IDC2886I UNABLE TO REFERENCE CRA ON VOLUME *ser* - REASON CODE *cde*

**Explanation:** When opening the catalog recovery area (CRA) the system detected an error.

In the message text:

*ser* The volume serial number.

*cde* The hex reason code, as follows:

##### Codes Explanation

1	Cannot verify the CRA.
2	Cannot open the CRA.
4	I/O error on control interval No.0
5	I/O error on control interval No.3
7	Error on number of directories.
8	Error on directory entries.

**System Action:** The system marks the CRA as bad. No entries are placed on the portable data set.

**Application Programmer Response:** If the reason code is 1, 2, 4, or 5, restore the volume on which the error occurred to a previous valid condition.

If the reason code is 7 or 8, provide the FORCE keyword in the EXPORTRA command to override the synchronization problem.



## IDC2889I • IDC2895I

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

---

### IDC2889I UNUSABLE DATA SET NOT EXPORTED

**Explanation:** A multi-volume data set, identified in the following message and marked unusable, was encountered by EXPORTRA. The data set is not on one or more of its secondary volumes. This situation is probably the result of a prior RESETCAT operation.

**System Action:** EXPORTRA bypasses the virtual storage access method (VSAM) data set and its associations.

**Application Programmer Response:** The data on valid volumes can be removed using the REPRO command prior to deletion. The data set cannot be opened for output.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

---

### IDC2892I INVALID ENTRY TYPE FOR A VSAM VOLUME DATA SET

**Explanation:** A virtual storage access method (VSAM) volume data set name was specified on a DELETE command and either an entry type other than CLUSTER was specified or the entry type in the catalog is not a cluster.

**System Action:** The system does not delete the entry. The remaining entries, if any, are deleted.

**Application Programmer Response:** Specify the CLUSTER parameter or run a LISTCAT against the catalog to verify the entry type. Correct the error. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

---

### IDC2893I INVALID PARAMETER SPECIFIED FOR THE RECOVERY OPTION

**Explanation:** The RECOVERY parameter has been specified for a DELETE command and a virtual storage access method (VSAM) volume data set (VVDS) is not to be deleted, or the GENERATIONDATAGROUP

parameter has not been specified. The RECOVERY parameter is only valid for integrated catalog facility (ICF) catalogs and VSAM volume data sets and generation data groups (GDG).

**System Action:** The system does not delete the entry. The remaining entries, if any, are deleted.

**Application Programmer Response:** Correct the parameters specified. If RECOVERY is specified for a GDG, the GENERATIONDATAGROUP parameter must be specified. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

---

### IDC2894I GENERIC NAME NOT ALLOWED FOR NVR, VVR OR TRUENAME DELETE

**Explanation:** On a DELETE command, a name in the generic form, a name with a qualifier of asterisk (\*), was specified along with the NVR, VVR or TRUENAME parameter. Generic names are not allowed when deleting NVR, VVR or TRUENAME entries. One DELETE command is required for each NVR, VVR or TRUENAME entry to be deleted.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** Correct the name specification. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCL01

---

### IDC2895I ALL REQUIRED VOLUMES NOT INCLUDED IN DD STATEMENT SPECIFIED IN FILE PARAMETER

**Explanation:** A FILE parameter was specified on a DELETE command. The DD statement does not contain all of the required volumes to delete the entry.

**System Action:** The system does not delete the entry. However, it does delete any remaining entries.

**Application Programmer Response:** You may perform one of the following procedures:

- Add the missing volumes to the DD statement. Run the job again.
- Remove the FILE parameter and allow dynamic allocation to allocate the necessary volumes. You

may need a JOBCAT or STEPCAT to insure that the volumes contain the correct mount status.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCL01

#### **IDC2908I     *ddname* NOT FOUND IN SYSTEM**

**Explanation:** An attempt was made to use the specified volume. The DD statement corresponding to the *ddname* could not be found.

In the message text:

*ddname*

The *ddname*.

**System Action:** The volume cannot be accessed.

**Application Programmer Response:** Correct the erroneous *ddname* or provide a DD statement. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO03

#### **IDC2909I     UNABLE TO SCRATCH *dsname***

**Explanation:** An error occurred while attempting to scratch the specified data set. A subsequent second-level message explains the error.

In the message text:

*dsname*

The data set name.

**System Action:** The data set is not scratched.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCSC08

#### **IDC2910I     \*\* NO VOLUME MOUNTED**

**Explanation:** None of the volumes specified for the data set are mounted.

**System Action:** The data set is not scratched.

**Application Programmer Response:** Mount the proper volumes. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCSC08

#### **IDC2912I     \*\* PASSWORD VERIFICATION FAILED**

**Explanation:** The console operator did not supply the proper password for the data set to be scratched.

**System Action:** The data set is not scratched.

**Application Programmer Response:** Submit the job again, supplying the correct password when prompted.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCSC08

#### **IDC2913I     \*\* DATA SET HAS NOT EXPIRED ON VOLUME *ser***

**Explanation:** The PURGE option was not specified, and the data set retention period has not expired.

In the message text:

*ser*     The volume serial number.

**System Action:** The data set is not scratched.

**Application Programmer Response:** Submit the job again, specifying PURGE to delete the data set.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCSC08

## IDC2914I • IDC2918I

---

### IDC2914I    \*\* PERMANENT I/O ERROR ON VOLUME *ser*

**Explanation:** The volume table of contents (VTOC) cannot be read because of an I/O error.

In the message text:

*ser*        The volume serial number.

**System Action:** The data set is not scratched.

**Application Programmer Response:** Request that the volume be restored.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA08

---

### IDC2915I    \*\* UNABLE TO MOUNT VOLUME *ser*

**Explanation:** An appropriate unit was not available for mounting, or JES3 will not permit the volume to be mounted.

In the message text:

*ser*        The volume serial number.

**System Action:** The data set is not scratched.

**Application Programmer Response:** Ensure that a unit is available for mounting.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA08

---

### IDC2916I    \*\* DATA SET WAS IN USE

**Explanation:** The data set to be scratched was in use.

**System Action:** The data set is not scratched.

**Application Programmer Response:** To delete the data set, ensure that no one else is using the data set when you run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA08

---

### IDC2917I    NO RACF PROFILE ON *resname*

**Explanation:** The specified resource is recorded in the volume table of contents (VTOC) as RACF protected. However, no RACF profile could be found for the resource. RACF could not perform the user authorization check for the resource.

In the message text:

*resname*

The resource name. *resname* can be either a RACF FACILITY class or a DASD volume. In the case of a RACF FACILITY class, *resname* will be the name of the class. For a DASD volume, *resname* will contain the volume serial number.

**System Action:** If a Cache-DASD command was issued, the system continues processing. Otherwise, the command ends.

Cache-DASD commands are as follows:

- BINDDATA
- LISTDATA
- SETCACHE

**Application Programmer Response:** Before running the job again, define the resource to RACF. If the resource is a data set, use the RACF ADDSD command. Otherwise, use the RACF RDEFINE command.

These commands can be run in the foreground or with the Terminal Monitor Program in the background.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA08

---

### IDC2918I    RACHECK FAILED FOR *resname*

**Explanation:** An unauthorized caller requested access to a RACF protected resource. The caller does not have the proper authorization for the specified resource.

In the message text:

*resname*

The resource name.

**System Action:** The system ends the command.

**Application Programmer Response:** Contact the

RACF security administrator to acquire the proper authorization. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA08

#### **IDC2919I    INVALID URACHECK PARAMETER LIST**

**Explanation:** The parameter list passed to the URACHECK macro is incorrect. The access method services module which invoked the URACHECK macro either set up the parameter list incorrectly or passed an incorrect pointer to the parameter list. This is a system error.

**System Action:** The system ends the command.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA08

#### **IDC2930I    \*\* INVALID RACF AUTHORIZATION**

**Explanation:** The data set to be scratched is RACF-protected. The caller does not have the proper RACF authorization to scratch the data set.

**System Action:** The data set is not scratched.

**Application Programmer Response:** Contact the RACF security administrator to acquire the proper authorization. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA08

#### **IDC2950I    INVALID FORMAT STRUCTURE**

**Explanation:** An element of one of the text format structures is incorrect. If it does, it is a system error.

**System Action:** The system ignores the request to print a line.

**Application Programmer Response:** Follow the problem determination steps.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP01

#### **IDC2951I    OUTPUT COLUMN SPECIFIED OUT OF RANGE**

**Explanation:** An output column specified is outside the print line width. This should not occur on a checked-out access method services command.

**System Action:** The ignored this field and subsequent fields.

**Application Programmer Response:** Follow the problem determination steps.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP01

#### **IDC2952I    EXCESSIVE FIELD LENGTH FOR BD OR PU CONV**

**Explanation:** A binary to decimal or packed to unpacked conversion length was specified as greater than 15 characters. This should not occur in a valid program.

**System Action:** The system uses the default.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP01

**IDC2953I     A REDO SUB-STRUCTURE IS NESTED**

**Explanation:** A redo structure cannot be defined within the set of structures to be redone. This should not occur in a valid program.

**System Action:** The current redo operation is ended. All structures will be treated only once.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP01

**IDC2954I     STATIC TEXT ENTRY REQUESTED  
NOT IN MODULE**

**Explanation:** A static text request indicated an entry that was not in the specified module. This should not occur in a valid program.

**System Action:** The system does not honor the request.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP05

**IDC2955I     INVALID PACKED DECIMAL FIELD**

**Explanation:** A conversion request for packed to unpacked found a digit that was not in the range 0 to 9. The input data may be wrong. This occurs when an incorrect field is being printed.

**System Action:** Conversion stops. Previously converted data will be printed.

**Application Programmer Response:** Check the input data.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP01

**IDC2960I     NO PSWDFILE FOR *dsname***

**Explanation:** A password protected data set was found on the volume table of contents (VTOC) but no DD statement was found with that data set name.

In the message text:

*dsname*

The data set name.

**System Action:** The command ends normally.

**Application Programmer Response:** Provide a DD statement with the name of the data set. Specify the name of the DD statement on the PASSWORDFILE parameter. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCVS01

**IDC2961I     {FROM|TO} VOLUME *volser* CONTAINS  
NON-VSAM DATA SETS**

**Explanation:** The command requires that no non-virtual storage access method (VSAM) data sets can reside on the specified volume. However, a format 1 DSCB was found for a non-VSAM data set.

In the message text:

**FROM|TO**

Indicate which volume contains the data set for those commands that process more than one command.

*volser*    The volume serial number.

**System Action:** The command ends normally.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCVS01

**IDC2962I     ENTRY NOT FOUND FOR VOLUME  
*volser* IN VSAM CATALOG**

**Explanation:** The volume entry could not be located for the volume in the volume storage access method (VSAM) catalog specified by the caller on the command



or, if not specified on the command, in the VSAM catalog in the STEPCAT, JOBCAT, master catalog hierarchy.

In the message text:

*volser* The volume serial number.

**System Action:** The command ends normally.

**Source:** DFSMSdfp

**Detecting Module:** IDCVS01

#### **IDC2963I      FORMAT 4 DSCB NOT FOUND ON                  VTOC OF {FROM|TO} VOLUME**

**Explanation:** The program positioned to the first record in the volume table of contents (VTOC) of the volume but it was not a Format 4 DSCB.

In the message text:

#### **FROM|TO**

Indicate which volume encountered the error for the commands that process more than one volume.

**System Action:** The command ends normally.

**Application Programmer Response:** This probably indicates an access method services error. Possibly the VTOC has been destroyed. Attempt to list the VTOC using the IEHLIST utility, and reconstruct the VTOC. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCVS01

#### **IDC2964I      \*\* SCRATCH OF DATA SETS NOT                  PERFORMED**

**Explanation:** An error occurred which prevented any data set from being scratched. The volume is still marked as virtual storage access method (VSAM) volume. A preceding message indicates the specific error.

**System Action:** The command continues processing.

**Application Programmer Response:** Run AMASPZAP service aid program to alter the volume table of contents (VTOC) if any VSAM data sets are on the volume and the VSAM data sets have been recataloged. If the volume is not a VSAM volume, use the IEHPROGM utility's SCRATCH VTOC statement.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in

the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCVS01

#### **IDC2965I      ATTEMPT TO SCRATCH DATA SETS                  TERMINATED**

**Explanation:** An error occurred reading or updating the volume table of contents (VTOC) so that no more data sets could be scratched. The virtual storage access method (VSAM) ownership flag has been set off in the VTOC.

**System Action:** The system does not make any further attempts to scratch a data set. The command continues processing.

**Application Programmer Response:** Run the AMASPZAP service aid program to alter the VTOC if the VTOC contains VSAM data sets and the data sets have been recataloged. If the volume is not a VSAM volume, use the IEHPROGM utility's SCRATCH VTOC statement.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCVS01

#### **IDC2966I      RECATALOGING OF NON-VSAM DATA                  SETS NOT PERFORMED**

**Explanation:** An error occurred which prevented any non-virtual storage access method (VSAM) data sets from being recataloged. A preceding message will indicate the specific reason for the error.

**System Action:** The command ends normally. The system performs no further function.

**Application Programmer Response:** Use the IEHPROGM utility or the access method services DELETE and DEFINE commands to recatalog the data sets. If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

Detecting Module: IDCVS01

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**IDC2967I      ATTEMPT TO RECATALOG NON-VSAM  
DATA SETS TERMINATED**

**Explanation:** An error occurred after some data sets were recataloged. A preceding message indicates the specific reason for the error.

**System Action:** The system does not recatalog any more non-virtual storage access method (VSAM) data sets. The command terminates normally. The system does not perform any further function.

**Application Programmer Response:** List the catalog to determine which data sets were recataloged or, if the LIST parameter was specified, examine the SYSPRINT listing to see which data sets were recataloged. Recatalog the data sets not previously recataloged using the IEHPROGM utility or the access method services DELETE and DEFINE commands.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

Detecting Module: IDCVS01

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**IDC2971I      RESERVE FOR VOLUME *volser* NOT  
SUCCESSFUL**

**Explanation:** The reserve with the HAVE option returned an unsuccessful condition code.

In the message text:

*volser*    The volume serial number.

**System Action:** The command ends processing.

**Application Programmer Response:** Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

Detecting Module: IDCVS01

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**IDC2972I      LSPACE ERROR. LSPACE RETURN  
CODE WAS *return-code*.**

**Explanation:** The LSPACE macro failed to return volume free space information for a LISTDSET space usage report.

In the message text:

*return-code*    The return code, as follows:

Code	Explanation
4	An I/O error occurred while reading the DSCBs.
8	The last allocation of the volume was made under DOS.
12	The user control block (UCB) address is incorrect. The UCB is not for a direct-access device, or the UCB-not-ready bit is on, indicating the device is not ready.
16	Indicates an incorrect message area address or system management facility (SMF) indicator.

**System Action:** The volume is not processed. The system processes other specified volumes.

**Application Programmer Response:** Determine why the LSPACE macro failed. Message IDC2108I follows this messages and identifies the failing volume.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

Detecting Module: IDCVS03

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**IDC2973I      VTOC ON *volser*, VOLUME TO BE  
COPIED, IS IN ERROR**

**Explanation:** Either an error occurred when the volume services routine attempted to redefine a format-5 data space control block (DSCB) or the DIRF bit is on in the format-4 DSCB. The DIRF bit is used to detect a system failure or permanent I/O error while the volume table of contents (VTOC) is being updated.

In the message text:

*volser*    The volume serial number.

**System Action:** Instead of attempting to copy only

allocated cylinders, the system makes a copy of all cylinders of the volume.

**Application Programmer Response:** Ensure that the VTOC is not in error. Try to list the VTOC using the IEHLIST utility program.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information.

**Source:** DFSMSDfp

**Detecting Module:** IDCVS01

#### **IDC3003I      FUNCTION TERMINATED. CONDITION CODE IS *cde*.**

**Explanation:** The system writes this message when an error condition has occurred in the processing of a functional command. Messages printed just before this message in the program listing indicate the error that occurred.

In the message text:

*cde*      The condition code of the abnormally ended function.

**System Action:** The system continues processing with the next command. The system sets LASTCC to the condition code. The system also sets MAXCC if the condition code is greater than the current MAXCC value.

**Application Programmer Response:** Preceding messages indicate the appropriate programmer response.

**Source:** DFSMSDfp

**Detecting Module:** IDCVS01

#### **IDC3004I      FUNCTION TERMINATED. INSUFFICIENT MAIN STORAGE.**

**Explanation:** The region size was not large enough to process a functional command.

**System Action:** The system continues processing with the next command.

**Application Programmer Response:** Increase the size of the storage allocated.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCAL01, IDCBI01, IDCCC01, IDCDE01, IDCED02, IDCLC01, IDCMP01, IDCPR01, IDCRC01, IDCRM01, IDCRP01, IDCRS05, IDCVY01, IDCXP01

#### **IDC3006I      FUNCTION TERMINATED DUE TO BEGINNING POSITIONING ERROR**

**Explanation:** An error occurred when positioning to a record in a data set was attempted. The position indicator may be beyond the limits of the data set or an I/O error may have occurred in positioning. An I/O error message may have been printed.

**System Action:** The system ends the operation.

**Application Programmer Response:** Correct the positioning parameter value. See the I/O error message description for the I/O error indicated ahead of this message.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSDfp

**Detecting Module:** IDCPR01

#### **IDC3007I      VSAM CATALOG RETURN-CODE IS *return-code***

**Explanation:** This condition code was returned as the result of a catalog error or exceptional condition. The system uses this message only when a more specifically worded message does not exist. In most instances, a subsequent message will indicate the action taken for the command that encountered the condition.

In the message text:

*return-code*      The return code. It may be either a virtual storage access method (VSAM) return code or a control volume (CVOL) processor return code. To determine which, determine whether the entry name specified in the command was directed to a VSAM catalog or a CVOL catalog. For a return code to be a CVOL return code, the entry name specified in the command must be qualified; and the first qualifier must be identical to an alias entry in the master catalog. The alias entry must be related to a non-VSAM entry of the form SYSCTLG.

The CVOL processor return codes follow. The VSAM catalog return codes are listed with message IDC3009I, where they appear together with reason codes. For message IDC3007I, ignore the VSAM return codes:

**Code      Explanation**

## IDC3008I

- 4** Cannot allocate catalog, catalog does not exist, or is not open.
- 8** The data set does not exist, or a CVOL contains a CVOL pointer or generation data group (GDG) alias, or the entry name duplicates an existing name.
- 20** There is insufficient space in the CVOL data set.
- 24** LOCATE operation - Permanent I/O error, unrecoverable error, or nonzero return code from ESTAE. The CVOL processor issues the ESTAE.
- 28** Non-LOCATE operation - Permanent I/O error, unrecoverable error, or nonzero return code from ESTAE. The CVOL processor issues the ESTAE.
- 44** All eligible entries could not be listed by the LISTCAT function. LISTCAT can handle a maximum of 1,456 entries.
- 48** Function inconsistent with CVOL processor.
- 56** An attempt to delete an entry failed because the DELETE command specified SCRATCH, but password verification failed for the password protected data set.
- 84** An attempt to delete an entry failed because the DELETE command specified SCRATCH without PURGE, but the expiration date of the data set has not been reached.
- 102** An attempt to delete an entry failed because the DELETE command specified SCRATCH, but the data set is defined to RACF and the accessor is not authorized to it.
- 164** There is insufficient virtual storage available for a CVOL catalog management work area.
- 168** An attempt to delete an entry failed because the DELETE command specified SCRATCH, but the device type of the cataloged volume did not match the user control block (UCB) device type.
- 184** An attempt to delete an entry failed because the DELETE command specified SCRATCH, but the data set is currently open and cannot be scratched.

**System Action:** The system ends the command.

**Application Programmer Response:** Respond according to the return code, as follows:

Code	Response
------	----------

- |   |                                                                                                              |
|---|--------------------------------------------------------------------------------------------------------------|
| 4 | Ensure that the CVOL is mounted. Verify the use of the STEPCAT and JOBCAT JCL or of the ddname DD statement. |
|---|--------------------------------------------------------------------------------------------------------------|

- |     |                                                                                                                                                                                                                                                                                                                                        |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8   | Check that the entry name is spelled correctly. Verify the use of JOBCAT and STEPCAT catalogs, if employed.                                                                                                                                                                                                                            |
| 20  | See your system programmer for assistance in reorganizing the CVOL.                                                                                                                                                                                                                                                                    |
| 24  | Have the volume restored or try mounting the volume on a different device.                                                                                                                                                                                                                                                             |
| 28  | Have the volume restored or try mounting the volume on a different device.                                                                                                                                                                                                                                                             |
| 44  | Change the LEVEL or ENTRIES parameter of the LISTCAT command to limit the number of eligible entries to 1,456.                                                                                                                                                                                                                         |
| 48  | Verify the use of JOBCAT and STEPCAT catalogs, if employed, to ensure that the catalog being acted upon is appropriate to the action you are attempting.                                                                                                                                                                               |
| 56  | Message IEC301A has been printed until the maximum number of attempt is exceeded. Provide the operator with the correct password. Run the job again.                                                                                                                                                                                   |
| 84  | Specify the PURGE option, if desired. Run the job again.                                                                                                                                                                                                                                                                               |
| 102 | Get authorization for the data set. Run the job again.                                                                                                                                                                                                                                                                                 |
| 164 | Increase the region size for the step.                                                                                                                                                                                                                                                                                                 |
| 168 | If the data set was cataloged using an esoteric device type, such as SYSDA, a non-standard device type is cataloged, such as, "000B2000". To delete the entry, use the access method services DELETE command with NOSCRATCH specified. Then, to scratch the data set, specify DISP=(OLD, DELETE), or IEHPROGM to scratch the data set. |
| 184 | Run the job again. To ensure proper completion, specify a disposition of OLD, not SHR.                                                                                                                                                                                                                                                 |

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01, IDCDE02, IDCMP01, IDCRM01, IDCTR01

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### IDC3008I FUNCTION IS NOT SUPPORTED IN THIS ENVIRONMENT

**Explanation:** A request for prompting or data set name qualifying has been received while not in a Time Sharing Option/Extensions (TSO/E) environment.

**System Action:** The system ends the request.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC3A02

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**IDC3009I VSAM CATALOG RETURN CODE IS**  
*return-code* - **REASON CODE IS**  
**IGGOCLaa** - *reason-code*

**Explanation:** Catalog management returned this return code and reason code as a result of a catalog error or exceptional condition.

In the message text:

*return-code*        The return code.

*reason-code*      The reason code.

For an explanation of the return and reason codes, check below to:

- Find the underlined heading for the return code.
- Scan for the associated reason code.

If you are using BookManager, to quickly find the explanation of the return and reason codes, enter the search argument:

IDC3009I *rtm rsn*

Do not specify leading zeros. For example, for message

IEC331I 004-33,XXXXXXXX,YYYYYYYY,OPN VSM ACB,ZZZZZZZZ

search for

IDC3009I 4 33

: If the search takes you to a description of the reason  
: code "x", it means the reason code you received is one  
: of a group of reason codes having a common  
: description. Most of these represent internal logic errors  
: and they will indicate you should contact the IBM  
: Support Center.

**Source:** Data Facility Product (DFP)

**System Action:** The system ends processing associated with the error return code.

**Application Programmer Response:** See the programmer response for the specific return code and reason code. Inspect other messages concerning DADSM or open/close to aid in solving this problem. If necessary, contact your programming support personnel.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix

exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

: Some return and reason code combinations may also  
: produce an SVC dump. This dump should also be  
: provided with any other documentation supplied to the  
: Support Center.

The list of return codes and reason codes follows:

**RETURN CODE 4**

: **Explanation:** The system encountered an error while  
: performing open/close processing for a catalog. If the  
: catalog is being accessed dynamically (e.g. no JOBCAT  
: or STEPCAT DD statement in the JCL), dynamic  
: allocation may have failed because the volume is  
: allocated exclusively. The volume may be allocated  
: exclusively due to one of the following:

- Specification of deferred mount on a DD statement
- Volume count greater than unit count on a DD statement
- Previous access method services command in the job step needed to demount the volume and changed the allocation of the volume to exclusive.

**Reason  
Code**

**Description**

: **x**        **Explanation:** An internal error has  
: occurred during Catalog processing.

: **Programmer Response:** Contact the  
: IBM Service Center. An SVC dump may  
: have been produced for this error.

: **2**        **Explanation:** An error occurred while  
: opening a new catalog that is being  
: defined, or the master catalog.

: **Programmer Response:** Check for  
: open/close problem determination  
: messages in the job stream output.

: **6**        **Explanation:** A request has referenced  
: a catalog while catalog management is  
: processing, or after catalog management  
: has processed, an access method  
: services DELETE command for the  
: specific catalog.

: **Programmer Response:** The catalog  
: needed for the request has been  
: deleted. If needed, the catalog must be  
: redefined before attempting the request  
: again.



Reason Code	Description	Reason Code	Description
8	<b>Explanation:</b> An incorrect access method control block (ACB) was supplied to catalog management for a catalog to be used during a catalog request.	34	<b>Explanation:</b> An attempt to open a catalog could not find the VVR record for the catalog.
23	<b>Programmer Response:</b> Contact your programming support personnel. <b>Explanation:</b> While performing a GETMAIN from the requested subpool, the VSAM volume data set (VVDS) manager protocol module returned an error.	60	<b>Programmer Response:</b> It is possible that the catalog name is still defined in the master catalog but does not physically exist on the expected volume. This is usually a result of reinitializing the volume without doing an EXPORT DISCONNECT of any user catalogs on the volume. <b>Explanation:</b> Unable to get storage in subpool 252 (for EOVS) or in subpool 253 (for CLOSE).
25	<b>Programmer Response:</b> Increase the size of the CSA or run the job again when more CSA is available. <b>Explanation:</b> Unable to get CSA storage (subpool 241).	83	<b>Programmer Response:</b> Increase the REGION size. <b>Explanation:</b> The catalog has been deleted, and CAXWA is still on the chain until all jobs allocated to it end or logoff.
26	<b>Programmer Response:</b> Increase the size of CSA or run the job when more CSA is available. <b>Explanation:</b> Unable to get storage for scheduler workarea (subpool 252).	84	<b>Programmer Response:</b> Do not use the catalog, or a new catalog with the same name, until all jobs allocated to the old catalog end or logoff. <b>Explanation:</b> CAXWA count of active users has reached 32767, the maximum allowed.
27	<b>Programmer Response:</b> Increase the REGION size. <b>Explanation:</b> Unable to get CSA for catalog (subpool 241).	85	<b>Programmer Response:</b> Do not use the catalog until one of the current jobs allocated to it ends or logs off. <b>Explanation:</b> Unable to get CSA for the catalog ACB or for the PCTT (subpool 241)
30	<b>Programmer Response:</b> Increase the size of CSA or run the job when more CSA is available. <b>Explanation:</b> Unable to get in subpool 252.	86	<b>Programmer Response:</b> Increase the size of the CSA or run the job when more CSA is available. <b>Explanation:</b> An error occurred while opening the catalog.
31	<b>Programmer Response:</b> Increase the REGION size. <b>Explanation:</b> The VVDS manager encountered an error processing a VSAM volume record (VVR) request.	102	<b>Programmer Response:</b> See associated message IEC161I and/or IEC331I for information about the OPEN error. The catalog might be damaged. Run the DIAGNOSE or EXAMINE command to analyze the catalog. <b>Explanation:</b> An invalid catalog ACB address was passed in the catalog parameter list.
32	<b>Explanation:</b> The system was unable to complete verification that the required volume is mounted. <b>Programmer Response:</b> Ensure that the unit is available for mounting and that the correct volume is mounted.		<b>Programmer Response:</b> Point the ACB pointer passed in the parameter list to the valid ACB of a user catalog.

Reason Code	Description
104	<p><b>Explanation:</b> A necessary catalog could not be dynamically allocated in the catalog address space, and the catalog parameter list indicated dynamic allocation in the callers address space was not allowed.</p> <p><b>Programmer Response:</b> Check for allocation problem determination messages in the job stream output. Follow the programmer response for these messages.</p>
106	<p><b>Explanation:</b> A necessary catalog could not be dynamically allocated in the catalog address space, and the catalog parameter list indicated dynamic allocation in the callers address space was not allowed.</p> <p><b>Programmer Response:</b> Check for allocation problem determination messages in the job stream output. Follow the programmer response for these messages.</p>
108	<p><b>Explanation:</b> A necessary catalog could not be dynamically allocated in the catalog address space, and the catalog parameter list indicated dynamic allocation in the callers address space was not allowed.</p> <p><b>Programmer Response:</b> Check for allocation problem determination messages in the job stream output. Follow the programmer response for these messages.</p>
114	<p><b>Explanation:</b> A catalog needed for the request could not be allocated to the Catalog address space, and the caller did not request it be allocated to the callers address space.</p> <p><b>Programmer Response:</b> When a catalog cannot be dynamically allocated to the Catalog Address Space, it must be allocated to the user address space before the catalog request is issued.</p>
118	<p><b>Explanation:</b> The catalog needed for this request has been deleted.</p> <p><b>Programmer Response:</b> Redefine the deleted catalog and reissue the request.</p>

Reason Code	Description
120	<p><b>Explanation:</b> The master catalog connector record was not found for the named catalog.</p> <p><b>Programmer Response:</b> Enter the access method services LISTCAT command to display the entries in the master catalog. If the user catalog is not listed, enter the access method services IMPORT CONNECT command to connect the catalog. If the user catalog data set name is listed, ensure that the entry is for a user catalog.</p>
122	<p><b>Explanation:</b> The master catalog connector record was not found for the named catalog.</p> <p><b>Programmer Response:</b> Enter the access method services LISTCAT command to display the entries in the master catalog. If the user catalog is not listed, enter the access method services IMPORT CONNECT command to connect the catalog. If the user catalog data set name is listed, ensure that the entry is for a user catalog.</p>

#### RETURN CODE 8

**Explanation:** The entry does not exist, if action is one that locates the entry. The entry already exists, if action is one which adds an entry to a catalog.

Reason Code	Description
0	<p><b>Explanation:</b> An entry was not found on LOCATE REQUEST.</p> <p><b>Programmer Response:</b> Ensure that the proper entry was specified.</p>
2	<p><b>Explanation:</b> The catalog cluster record was not found.</p> <p><b>Programmer Response:</b> Call your programming support personnel.</p>
6	<p><b>Explanation:</b> No record was found from record management.</p> <p><b>Programmer Response:</b> Ensure that the entry name is spelled correctly. In the instance of an improper DELETE command entry type, either remove the type specification or correct it. Check also that the proper catalog is being searched for the name you specified.</p>

Reason Code	Description	Reason Code	Description
8	<p><b>Explanation:</b> A request to place a record by key into a catalog resulted in a duplicate key error from VSAM.</p> <p><b>Programmer Response:</b> Ensure that the entry name is spelled correctly and that the proper catalog is being used.</p>	38	<p><b>Explanation:</b> A duplicate entry name or high level index name was found in the target catalog during a define command. See section on Multi Level Alias Facility in your "Managing Catalogs" manual.</p> <p><b>Programmer Response:</b> In the DEFINE command, specify a name that does not already exist in the target catalog. In the case of a DEFINE ALIAS, make sure there are no datasets that currently exist with that same high-level qualifier.</p>
12	<p><b>Explanation:</b> An incorrect entry type occurred for super-locate on the entry named. The data set was not found in a catalog.</p> <p><b>Programmer Response:</b> Ensure that the proper data set name was specified in the job control language DD statement.</p>	40	<p><b>Explanation:</b> A DEFINE GDG command was not issued prior to the DEFINE NONVSAM command with GDG entry name.</p> <p><b>Programmer Response:</b> Ensure that the GDG base is defined prior to defining the non-VSAM with a GDG entry name.</p>
14	<p><b>Explanation:</b> A generation data group (GDG) entry type for super-locate did not find the specified entry in a catalog.</p> <p><b>Programmer Response:</b> Ensure that the proper data set name was specified in the job control language DD statement.</p>	42	<p><b>Explanation:</b> The catalog record for the requested entry could not be found.</p>
16	<p><b>Explanation:</b> A GDG entry was found to be deleted from a catalog.</p> <p><b>Programmer Response:</b> Ensure that the proper data set name was specified in the job control language DD statement.</p>	44	<p><b>Programmer Response:</b> Ensure that the entry name specified on the access method services command is in the catalog specified.</p> <p><b>Explanation:</b> A request to place a record by key into an ICF catalog resulted in a duplicate key error from VSAM.</p>
18	<p><b>Explanation:</b> A GDG type of super-locate request specified an incorrect generation number.</p> <p><b>Programmer Response:</b> Ensure that the proper data set name was specified in the job control language DD statement.</p>	46	<p><b>Explanation:</b> A base record was not found upon deletion of a cluster, AIX or GDG in an ICF catalog.</p>
: 20	<p><b>Explanation:</b> The volume entry being removed from an catalog entry during ALTER REMOVEVOLUMES processing cannot be found the catalog record.</p> <p><b>Programmer Response:</b> Verify that the volume serial numbers specified actually exist in the catalog entry for the data set being altered.</p>	50	<p><b>Programmer Response:</b> Run the DIAGNOSE command to analyze the catalog. The ICF catalog may have to be restored or rebuilt.</p> <p><b>Explanation:</b> A record was not found during LISTCAT ALL processing.</p>
:		52	<p><b>Programmer Response:</b> The requested record may have been moved during concurrent catalog updating. Ignore the error or run the job again.</p> <p><b>Explanation:</b> A duplicate data component name was found.</p>
:			<p><b>Programmer Response:</b> Ensure that all data component names are unique and run the job again.</p>

Reason Code	Description
54	<p><b>Explanation:</b> A duplicate index component name was found.</p> <p><b>Programmer Response:</b> Ensure that all index component names are unique and run the job again.</p>

#### RETURN CODE 10

**Explanation:** An incorrect record type was found.

Reason Code	Description
x	<p><b>Explanation:</b> A record being processed contained inconsistent or incorrect data for the type of entry.</p> <p><b>Programmer Response:</b> Run the DIAGNOSE command to check for a damaged catalog record. A SYS1.DUMP may have been produced for this error.</p>
0	<p><b>Explanation:</b> An incorrect record type is found when trying to find a subrecord to be moved.</p> <p><b>Programmer Response:</b> Run the DIAGNOSE command to check for a damaged catalog record.</p>
10	<p><b>Explanation:</b> An incorrect VSAM volume record was read from the VSAM volume data set and was detected while modifying the catalog's VSAM volume record.</p> <p><b>Programmer Response:</b> Perform the following steps:</p> <ol style="list-style-type: none"> <li>1. Try accessing the catalog from another system, if shared.</li> <li>2. Run DIAGNOSE or EXAMINE from either system.</li> <li>3. Use catalog address space (CAS) commands to refresh control blocks.</li> <li>4. IPL will refresh control blocks if CAS is not available.</li> <li>5. If the above steps show actual damage, rebuild or restore the catalog. Use the MODIFY CATALOG,CLOSE command if necessary.</li> </ol>

Reason Code	Description
12	<p><b>Explanation:</b> The record type for a data set was found to be incorrect during reset of a reusable data set.</p>

**Programmer Response:** Ensure that the target of a reset is a VSAM data set. Call your programming support personnel.

14	<p><b>Explanation:</b> On a disconnect request, the connector record was missing or incorrect.</p>
----	----------------------------------------------------------------------------------------------------

**Programmer Response:** Run the DIAGNOSE command to determine if the user catalog connector record is damaged and take the recommended action.

20	<p><b>Explanation:</b> The volume cell in the VVDS catalog record could not be found.</p>
----	-------------------------------------------------------------------------------------------

**Programmer Response:** Run the DIAGNOSE command to determine if the VVDS catalog record is damaged and take the recommended action.

42	<p><b>Explanation:</b> A VVDS record contained inconsistent data.</p>
----	-----------------------------------------------------------------------

50	<p><b>Programmer Response:</b> Run the DIAGNOSE command to check for a damaged VVDS record.</p>
----	-------------------------------------------------------------------------------------------------

**Explanation:** VVR or NVR exceeds its maximum size.

#### RETURN CODE 12

	<p><b>Explanation:</b> An attempt to locate a needed component entry in a catalog record failed.</p>
--	------------------------------------------------------------------------------------------------------

Reason Code	Description
x	<p><b>Explanation:</b> A required component was not found within a catalog record.</p>

**Programmer Response:** Run the DIAGNOSE command to check for a damaged catalog record. A SYS1.DUMP may have been produced for this error.

#### RETURN CODE 14

	<p><b>Explanation:</b> A required cell has not been found in a catalog record when expected.</p>
--	--------------------------------------------------------------------------------------------------

Reason Code	Description
: <b>x</b>	<b>Explanation:</b> A required cell was not found in a catalog record during processing.
:	
:	
:	<b>Programmer Response:</b> Run the access method services DIAGNOSE command to check for a damaged catalog record. A SYS1.DUMP may have been created.

#### RETURN CODE 18

**Explanation:** An ALTER error occurred.

Reason Code	Description
: <b>0</b>	<b>Explanation:</b> A system request to alter the backup-while-open (BWO) options specified an inconsistent or unsupported state.
:	
:	<b>Programmer Response:</b> This is most likely an invalid catalog parameter list. Contact the IBM Support Center.
:	
<b>2</b>	<b>Explanation:</b> An attempt to alter a data set's storage class name or management class name has fail because DFSMSHsm was not active. The system found incorrect data for an alter of a backup while the backup was open.
	<b>Programmer Response:</b> Verify DFSMSHsm is operational and retry the request.
<b>4-10,98</b>	<b>Explanation:</b> An ALTER for a migrated data set was issued, but the call to DFSMSHsm failed. The <i>reason-code</i> code is from DFSMSHsm.
	<b>Programmer Response:</b> Refer to DFSMSHsm message ARC0073I in <i>z/OS MVS System Messages, Vol 2 (ARC-ASA)</i> for an explanation of the reason code and take the appropriate action.

#### : RETURN CODE 20

: **Explanation:** There is insufficient space in the catalog to perform the requested update or addition.

Reason Code	Description
: <b>0</b>	<b>Explanation:</b> The catalog is full. It is impossible to obtain another extent, because there is no more space on the volume in which the catalog resides, or the maximum number of extents has been reached.
:	
:	
:	<b>Programmer Response:</b> Scratch unneeded data sets from the volume. Delete all unnecessary entries from the catalog. The catalog may need to be reallocated and rebuilt if these steps do not resolve the space shortage.

#### RETURN CODE 22

**Explanation:** The Field Vector Table (FVT) address is zero or an incorrect FVT field was found.

Reason Code	Description
<b>x</b>	<b>Explanation:</b> An invalid structure was passed as input to a catalog request.
	<b>Programmer Response:</b> Contact the IBM Support Center.

#### : RETURN CODE 24

: **Explanation:** Permanent read error of a catalog.

Reason Code	Description
<b>2</b>	<b>Explanation:</b> An I/O error occurred while attempting to read information from the catalog.
	<b>Programmer Response:</b> Messages IEC331I, IEC332I, and IEC333I have been printed to aid in determining the cause of the error and where the error occurred. If a hardware error is not causing the problem, restore or rebuild the catalog.

#### : RETURN CODE 26

: **Explanation:** A VSAM record management error has occurred.



Reason Code	Description
x	<b>Explanation:</b> A VS record management error occurred while processing a catalog request.
	<b>Programmer Response:</b> Contact the IBM Support Center. An SVC dump will be created for this error.
: <b>RETURN CODE 28</b>	
: <b>Explanation:</b> Permanent I/O error in catalog.	

Reason Code	Description
2	<b>Explanation:</b> An I/O error processing the catalog occurred while processing an access method services command that requires modifying the catalog.
	<b>Programmer Response:</b> Messages IEC331I, IEC332I, and IEC333I have been printed to aid in determining the cause of the error and where the error occurred. If a hardware error is not causing the problem, restore or rebuild the catalog.
4	<b>Explanation:</b> An I/O error occurred during catalog OPEN.
	<b>Programmer Response:</b> Messages IEC331I, IEC332I, and IEC333I have been printed to aid in determining the cause of the error and where the error occurred. If a hardware error is not causing the problem, restore or rebuild the catalog.
6	<b>Explanation:</b> One or more entries were not deleted due to an I/O related error during DELETE processing.
	<b>Programmer Response:</b> Messages IEC331I, IEC332I, and IEC333I have been printed to aid in determining the cause of the error and where the error occurred. If a hardware error is not causing the problem, restore or rebuild the catalog.
: 26	<b>Explanation:</b> An I/O error occurred while writing the catalog's self-describing records.
:	
:	
:	<b>Programmer Response:</b> Contact the IBM Support Center.

Reason Code	Description
28	<b>Explanation:</b> A close error occurred after the writing of the catalog's self-describing records.
	<b>Programmer Response:</b> Contact the IBM Support Center.
30	<b>Explanation:</b> An I/O error occurred writing records to the catalog.
	<b>Programmer Response:</b> Contact the IBM Support Center.

#### : **RETURN CODE 30**

: **Explanation:** Automated Tape Library Data Server (ATLDS) processing error.

Reason Code	Description
x	<b>Explanation:</b> An internal logic error has occurred.
	<b>Programmer Response:</b> Contact the IBM Support Center. An SVC dump may be created for this error, depending on the specific reason code.
6	<b>Explanation:</b> Attempt to define an alias that relates to a volume category.
	<b>Programmer Response:</b> This is an incorrect function. Possible user error.
18	<b>Explanation:</b> The required library name was not specified for a define library request.
	<b>Programmer Response:</b> Supply a library name and rerun the job.
20	<b>Explanation:</b> Required library id was not specified for a define library request.
	<b>Programmer Response:</b> Supply a library id and rerun the job.
22	<b>Explanation:</b> The library logical type specified is incorrect for a define library record request.
	<b>Programmer Response:</b> Supply a valid library logic type and rerun the job.
34	<b>Explanation:</b> Incorrect name was specified for a define volume category request.
	<b>Programmer Response:</b> The volume category's name must begin with SYS1.VOLCAT.V.

Reason Code	Description	Reason Code	Description
40	<b>Explanation:</b> Incorrect checkpoint indicator was specified for a define volume request.  <b>Programmer Response:</b> Supply a valid checkpoint indicator and rerun the job.	62	<b>Explanation:</b> No general volume category was found.  <b>Programmer Response:</b> Define SYS1.VOLCAT.VGENERAL then rerun the job.
42	<b>Explanation:</b> Incorrect volume location was specified for a define volume request.  <b>Programmer Response:</b> Supply a valid volume location and rerun the job.	68	<b>Explanation:</b> Non-volume category was specified for a request associated with volume or library record.  <b>Programmer Response:</b> Insure SYS1.VOLCAT.VGENERAL is a volume category for library requests. For volume entry requests, check all catalogs with volume category naming convention to be volume categories.
44	<b>Explanation:</b> Required library name not specified for a define volume request with a volume location of library specified.  <b>Programmer Response:</b> Supply a library name and rerun the job.	70	<b>Explanation:</b> A duplicate entry name was found during define library or volume request.  <b>Programmer Response:</b> Remove the duplicate entry and rerun the job.
46	<b>Explanation:</b> Incorrect volume use attribute specified for a define volume request.  <b>Programmer Response:</b> Supply a valid use attribute and rerun the job.	72	<b>Explanation:</b> General volume category had been deleted or disconnected.  <b>Programmer Response:</b> Redefine or reconnect general volume category.
48	<b>Explanation:</b> Required volume name not specified for a define volume request.  <b>Programmer Response:</b> Supply a volume name and rerun the job.	98	<b>Explanation:</b> Incorrect library name specified for a define library request. The library name cannot begin with 'V'.  <b>Programmer Response:</b> Supply a valid library name and rerun the job.
50	<b>Explanation:</b> Incorrect date format specified.  <b>Programmer Response:</b> Respecify the date in the following format: YYYY-MM-DD.	154	<b>Explanation:</b> Attempting to delete a library record which is not empty, or scratch volumes is not equal to zero.  <b>Programmer Response:</b> Verify the library record tried to delete. If the library record is empty and the scratch volumes count equal to zero then contact the IBM Support Center
56	<b>Explanation:</b> Attempt to alter the number of scratch volume message thresholds for an incorrect media type.  <b>Programmer Response:</b> Supply a valid media type and rerun the job.	158	<b>Explanation:</b> Attempting to delete a volume record that has not reached its expiration date.  <b>Programmer Response:</b> Verify the expiration date. ALTER command may be used to alter the expiration date.
58	<b>Explanation:</b> Attempt to alter the number of scratch volumes for an incorrect media type.  <b>Programmer Response:</b> Supply a valid media type and rerun the job.	168	<b>Explanation:</b> Attempting to delete a record without specifying the correct type in catalog parameter list.  <b>Programmer Response:</b> Specify the type and rerun the job.
60	<b>Explanation:</b> JOBCAT/STEP CAT was specified for a request associated with volume or library record.  <b>Programmer Response:</b> Remove JOBCAT/STEP CAT and rerun the job.		

## : RETURN CODE 32

: **Explanation:** There is an error in the catalog parameter  
: list. Such a condition indicates an internal error in  
: access method services (IDCAMS).

Reason Code	Description
: x	<b>Explanation:</b> An internal logic error has occurred.
:	
:	<b>Programmer Response:</b> Contact the IBM Support Center. A SYS1.DUMP may be created for this problem.
:	

## RETURN CODE 36

**Explanation:** Data set not found or DSCB indicates a VSAM data set.

Reason Code	Description
2	<b>Explanation:</b> An incorrect record type was found in the access method services ALTER command.  <b>Programmer Response:</b> Determine if the correct name was specified in the command or if the proper fields are requested to be modified for the entry type.
4	<b>Explanation:</b> A data set name was not found on the VTOC.  <b>Programmer Response:</b> Ensure that the proper versions of the volume and catalog are being processed and that the volume is synchronized with the catalog, or ensure that the VVR/NVR entry type in the VVDS matches its corresponding format 1 DSCB record type from the VTOC.
12	<b>Explanation:</b> A super-locate request to catalog management requires dynamic access to a catalog.  <b>Programmer Response:</b> If this error causes a job to end, ensure that the master catalog references the proper catalogs and that they are available to the system when the job stream is processed.

## RETURN CODE 38

**Explanation:** The catalog installation exit module, replaced by an installation-supplied module, encountered an error while processing an SVC 26 request. If the module was supplied by the data facility hierarchical storage manager (DFHSM), the message with this return code was preceded by one or more DFHSM messages (ARCxxx1) that indicate the processing error.

Reason Code	Description
2	<b>Explanation:</b> An error was encountered while attempting to recall a data set with a volume serial of MIGRAT. The catalog entry indicated that the data set was migrated, but DFHSM determined that the data set was not migrated.  <b>Programmer Response:</b> Review the DFHSM message or messages and take the appropriate action. For reason codes 16 and 24, the DFHSM message was issued through a TPUT request to the user ID specified on the job that requested this function. In other words, the message was not routed to the job log.
4	<b>Explanation:</b> An error was encountered while attempting to recall a data set with a volume serial of MIGRAT (the catalog entry indicated that the data set was migrated).  <b>Programmer Response:</b> Review the DFHSM message or messages and take the appropriate action. For reason codes 16 and 24, the DFHSM message was issued through a TPUT request to the user ID specified on the job that requested this function. In other words, the message was not routed to the job log.
8	<b>Explanation:</b> An error was encountered while attempting to delete a data set with a volume serial of MIGRAT (the catalog entry indicated that the data set was migrated).  <b>Programmer Response:</b> Review the DFHSM message or messages and take the appropriate action. For reason codes 16 and 24, the DFHSM message was issued through a TPUT request to the user ID specified on the job that requested this function. In other words, the message was not routed to the job log.

Reason Code	Description
12	<p><b>Explanation:</b> The catalog installation exit module issued a locate request, and catalog indicated that the request was not successful.</p> <p><b>Programmer Response:</b> Review the DFHSM message or messages and take the appropriate action. For reason codes 16 and 24, the DFHSM message was issued through a TPUT request to the user ID specified on the job that requested this function. In other words, the message was not routed to the job log.</p>
16	<p><b>Explanation:</b> The catalog installation exit module was processing a JES3 converter/interpreter (C/I) request for a data set with a volume serial of MIGRAT (the catalog entry indicated that the data set was migrated). The exit module determined that DFHSM was not ready to process the JES3 C/I request because of one of the following:</p> <ul style="list-style-type: none"> <li>• DFHSM was not active</li> <li>• DFHSM did not have volumes defined to which the migrated data set could be recalled</li> <li>• The storage management subsystem was not available to determine the storage class for a migrated SMS-managed data set</li> <li>• The recall exit was inoperable</li> </ul> <p><b>Programmer Response:</b> Review the DFHSM message or messages and take the appropriate action. For reason codes 16 and 24, the DFHSM message was issued through a TPUT request to the user ID specified on the job that requested this function. In other words, the message was not routed to the job log.</p>
24	<p><b>Explanation:</b> The catalog installation exit module was processing a JES3 (C/I) request for a data set, and determined that the request was from an unauthorized user.</p> <p><b>Programmer Response:</b> Review the DFHSM message or messages and take the appropriate action. For reason codes 16 and 24, the DFHSM message was issued through a TPUT request to the user ID specified on the job that requested this function. In other words, the message was not routed to the job log.</p>

Reason Code	Description
48	<p><b>Explanation:</b> The referenced data set is in an incomplete status.</p> <p><b>Programmer Response:</b> Recall the data set and then issue your request again.</p>

#### : RETURN CODE 40

: **Explanation:** The volume list or work area is too small.  
: This return code would normally represent an error in  
: the calling program. If the user is using the Catalog  
: Search Interface, this return code indicates that a large  
: enough return workarea was not provided.

Reason Code	Description
0	<p><b>Explanation:</b> The user provided work area is too small.</p> <p><b>Programmer Response:</b> Run the job again with a work area length that is at least equal to the required length.</p>
2	<p><b>Explanation:</b> The format 1 work area is too small.</p> <p><b>Programmer Response:</b> Run the job again with a work area length that is at least equal to the required length.</p>
8	<p><b>Explanation:</b> The volume list is too small to include the storage management subsystem workarea.</p>

#### RETURN CODE 42

**Explanation:** A DADSM error occurred on branch entry to DADSM back end. The DADSM error return data from the invoked sub-function (SFI) field is the value of the variable *sfierror* in message IEC331I.

Reason Code	Description
2	<p><b>Explanation:</b> A DADSM RENAME error occurred on branch entry.</p>
4	<p><b>Explanation:</b> A DADSM ALLOCATE error occurred on branch entry.</p>
6	<p><b>Explanation:</b> A DADSM SCRATCH error occurred on branch entry.</p>

: **RETURN CODE 44**

: **Explanation:** The catalog work area for returning  
: results of a catalog request is too small to contain all of  
: the requested results. If you are using the Catalog  
: Search Interface (CSI) you need to increase the size of  
: the work area you provide for the request. Other  
: occurrences of this problem may indicate logic errors in  
: components or products that use catalog services.

**Reason  
Code**

**2**

**Description**

**Explanation:** The delete catalog work  
area is too small.

**Programmer Response:** Check the  
work area length. If it is correct, contact  
the IBM Support Center. If the length is  
not correct, run the job again with a valid  
length.

: **4**

**Explanation:** The caller's work area is  
too small.

**Programmer Response:** If this is a  
Catalog Search Interface (CSI) request,  
you need to increase the size of the  
work area. Otherwise, this may be a  
logic error or limitation in the component  
making the request.

: **6**

**Explanation:** An access method  
services DELETE command to delete an  
entire generation data group, with the  
FORCE parameter, encountered a work  
area too small to contain names of  
entries deleted. However, the entire  
GDG was successfully deleted. The  
following then occurs:

1. The work area is not large enough to  
return the name of the generation  
data base.
2. The system does not delete the  
catalog.

**Programmer Response:** Run the job  
again with a larger work area.

: **8**

**Explanation:** The caller's work area is  
too small.

**Programmer Response:** If this is a  
Catalog Search Interface (CSI) request,  
you need to increase the size of the  
work area. Otherwise, this may be a  
logic error or limitation in the component  
making the request.

**Reason  
Code**

**12**

**Description**

**Explanation:** The amount of data that  
the system will return may overflow the  
workarea.

**Programmer Response:** Either divide  
the catalog into smaller catalogs or  
convert to the ICF catalog format.

: **14**

**Explanation:** The amount of data  
returned by the system cannot be  
contained in a 2-byte length field.

**Programmer Response:** None. This is  
a design limitation. If you are using the  
CSI (Catalog Search Interface), you  
must request that fullword lengths be  
used for all lengths.

**RETURN CODE 48**

**Explanation:** Incorrect catalog function.

**Reason  
Code**

**x**

**Description**

**Explanation:** An internal logic error has  
occurred.

: **6**

**Programmer Response:** Contact the  
IBM Support Center.

**Explanation:** An ALTER of a non-VSAM  
entry is not allowed for the fields being  
modified.

**Programmer Response:** Ensure that  
the proper entry name was specified on  
the access method services ALTER  
command and that only fields that exist  
for a non-VSAM entry are requested to  
be changed.

**8**

**Explanation:** An ALTER of the catalog  
name is not allowed.

**Programmer Response:** Ensure that  
the catalog name was not used by  
mistake. Catalog names can only be  
changed by DELETE and then  
re-DEFINE catalog commands.

**10**

**Explanation:** Erase option delete, but  
file name is for incorrect catalog.

**Programmer Response:** Do not use a  
DD name on the catalog parameter in  
the access method services DELETE  
command if erase processing is to be  
performed.



Reason Code	Description	Reason Code	Description
14	<b>Explanation:</b> A data set is update inhibited.	30	<b>Explanation:</b> It is not valid to delete the master catalog with the FORCE parameter. If the user catalog is being force-deleted, a stepcat or jobcat card may be missing or specifies the wrong catalog.
16	<b>Programmer Response:</b> Do not open a data set for reset processing that is inhibited for update processing. <b>Explanation:</b> A data set is not reusable.		<b>Programmer Response:</b> The master catalog cannot be deleted. To delete the user catalog, correct the stepcat or jobcat card. Submit the job again.
18	<b>Programmer Response:</b> Do not open a non-empty data set for reset processing that is not reusable. <b>Explanation:</b> It is only valid to change the attributes or ownerid fields of a GDG base entry by the access method services ALTER command.	36	<b>Explanation:</b> The ALTER REMOVEVOLUMES volume cleanup function contains incorrect coded parameters.
24	<b>Programmer Response:</b> Do not attempt the incorrect ALTER commands. Correct the commands and rerun the job. <b>Explanation:</b> It is not valid to attempt to change the name of a user catalog or alias entry through the use of the access method services ALTER Command.	40	<b>Programmer Response:</b> Only the master catalog name, password, and file parameters may be coded for the ALTER REMOVEVOLUMES function. <b>Explanation:</b> An incorrect catalog management function, ALTER of a VVDS name, occurred.
26	<b>Programmer Response:</b> Do not attempt the incorrect ALTER commands. Correct the commands and rerun the job. <b>Explanation:</b> It is not valid to attempt to change the name of a non-VSAM entry that is a GDG base or member through the use of the access method services ALTER command.	42	<b>Programmer Response:</b> Do not attempt the incorrect ALTER commands. Correct the commands. Run the job again. <b>Explanation:</b> The maximum number of extensions was exceeded.
28	<b>Programmer Response:</b> Do not attempt the incorrect ALTER commands. Correct the commands and rerun the job. <b>Explanation:</b> It is not valid to attempt to delete a GDG base entry that contains non-VSAM entries.	54	<b>Programmer Response:</b> Redefine the catalog with a RECORDSIZE specifying a maximum of 32400. <b>Explanation:</b> An incorrect reset of a non-reusable data set was detected.
29	<b>Programmer Response:</b> Delete the members of the GDG base explicitly. Alternatively, the GDG base and its members may be deleted with the use of the FORCE parameter in the DELETE command. <b>Explanation:</b> RBA too large for data set.	56	<b>Programmer Response:</b> Do not open a non-empty data set for reset processing that is not reusable. <b>Explanation:</b> The data set update is inhibited.
		60	<b>Programmer Response:</b> Do not open a data set for reset processing that is inhibited for update processing. <b>Explanation:</b> A define no-allocate or RECATALOG was not APF authorized.
			<b>Programmer Response:</b> Probable user error. Ensure that access method services is APF authorized.

Reason Code	Description	Reason Code	Description
64	<b>Explanation:</b> A DEFINE of a SYS1.VVDS.Vvolser cannot request space in records.	118	<b>Explanation:</b> A SMS storage class construct cannot be blanks.
	<b>Programmer Response:</b> Change records to tracks or cylinders. Run the DEFINE command again.	120	<b>Explanation:</b> The ALTER NEWNAME is not allowed for non-VSAM data set with an alias when the new name resolves to a different catalog than the current one.
70	<b>Explanation:</b> An ALTER LOCK of the master catalog is not allowed.	122	<b>Explanation:</b> The ALTER NEWNAME is not allowed for VSAM data set when the new name resolves to a different catalog than the current one.
72	<b>Explanation:</b> An incorrect catalog management function alter of a non-VSAM data set name that is cataloged with an indirect volser occurred.	124	<b>Explanation:</b> A VSAM data set cannot be converted to SMS managed because not all of the volumes belong to the same storage group.
74	<b>Explanation:</b> An alter newname of a tape data set is incorrect.	126	<b>Explanation:</b> A VSAM data set cannot be converted to SMS managed because not all of its associated names in the sphere resolve to the same catalog.
	<b>Programmer Response:</b> Do not attempt the incorrect ALTER commands. Correct the commands. Run the job again.	128	<b>Explanation:</b> An SMS storage class construct cannot have a length of zero.
76	<b>Explanation:</b> An alter of non-VSAM data set that contains the extended format cell is not allowed.	130	<b>Explanation:</b> Altering a non-SMS managed VSAM data set to an SMS managed one (or vice versa) is a stand-alone function. No other ALTER functions are allowed.
	<b>Programmer Response:</b> None	132	<b>Explanation:</b> Altering a non-specific volume serial to a specific one is a stand-alone function. No other ALTER functions are allowed.
78	<b>Explanation:</b> The conversion of SMS to non-SMS managed cannot be done for a data set that contains the extended format cell.	134	<b>Explanation:</b> The caller is not authorized to issue ALTER non-specific volume.
80	<b>Explanation:</b> Define data set with extended format information is not valid for a non-SMS data set.	136	<b>Explanation:</b> An incorrect component was supplied for ALTER non-specific volume.
90	<b>Explanation:</b> Recataloging a temporary VSAM data set is not allowed.	140	<b>Explanation:</b> An ALTER GDG limit of 0 is not allowed.
94	<b>Explanation:</b> The conversion of SMS to non-SMS managed cannot be done for a data set that contains attributes extension information.	142	<b>Explanation:</b> An ALTER fails due to unsuccessful DADSM UPDATE function.
96	<b>Explanation:</b> Define data set with attributes extension information is not valid for a non-SMS data set.	144	<b>Explanation:</b> A Record unit of allocation not valid for linear data sets.
98	<b>Explanation:</b> A define of non-extended data set that contains compress information is not allowed.	146	<b>Explanation:</b> The ALTER NONVSAM RECATALOG function and the caller pass SMS information for conversion, but the caller is not authorized to use this function.
	<b>Programmer Response:</b> None	148	<b>Explanation:</b> Alter request is not valid for stand-alone function such as alter of backup while open (BWO) data set.
102	<b>Explanation:</b> The request is against an SMS-managed data set, but the specified data set is not SMS managed.		<b>Programmer Response:</b> Ensure that the field requested to be altered is valid for stand-alone function.
104	<b>Explanation:</b> The user is not authorized to issue ALTER no VVDS update.		
108	<b>Explanation:</b> The specified SMS construct cannot be altered.		
112	<b>Explanation:</b> A VSAM data set cannot be converted to an SMS managed data set because not all of its components' names resolve to the same catalog.		

Reason Code	Description	Reason Code	Description
152	<b>Explanation:</b> An attempt has been made to define a PDSE as a member of a GDG base. PDSEs may not be a member of a GDG base	172	<b>Explanation:</b> REUSE was specified for a non-cluster component or a component that had an AIX Associated with it.
	<b>Programmer Response:</b> Be sure that the IGDSMS00 parmlib member has DSNTYPE default of PDS.	174	<b>Explanation:</b> ALTER REUSE was specified for a cluster that has an AIX defined over it.
156	<b>Explanation:</b> The alter backup while open (BWO) request is not for valid component or record.	175	<b>Explanation:</b> A DEFINE of a striped data set specified REUSE, which is invalid.
	<b>Programmer Response:</b> Ensure that the BWO alter request is for cluster, data, non-VSAM, or GDS only.	176	<b>Explanation:</b> ALTER REUSE was specified for a cluster that contains a KEYRANGE.
158	<b>Explanation:</b> The alter backup while open (BWO) indicator is incorrect for non-SMS managed datasets	178	<b>Explanation:</b> ALTER-REUSE-ON and ALTER-REUSE-OFF are mutually exclusive. They cannot be active at the same time.
	<b>Programmer Response:</b> Ensure that the data set is SMS-managed.		<b>Programmer Response:</b> Only one ALTER-REUSE bit should be set at a time.
: 160	<b>Explanation:</b> An attempt was made to alter a non-SMS managed non-VSAM data set to a name in the format of a GDS (e.g. the name ends with GnnnnVnn).	184	<b>Explanation:</b> Attempted to ALTER the DDM file class attribute for other than a CLUSTER or NONVSAM entry.
:		186	<b>Explanation:</b> Attempted to ALTER the pointer to the last active record for other than CLUSTER or NONVSAM entry.
:		188	<b>Explanation:</b> Attempted to ALTER DFM attributes for a non-SMS data set.
:	<b>Programmer Response:</b> Change the name of the new data set to be a non-GDS format name.	190	<b>Explanation:</b> Attempted to ALTER DFM attributes for other than a CLUSTER entry.
: 162	<b>Explanation:</b> An attempt was made to alter a non-SMS managed GDS to a non-GDS name.	192	<b>Explanation:</b> Attempted to ALTER DFM attributes for other than a CLUSTER or NONVSAM entry.
:			<b>Explanation:</b> A specific request to locate an OAM data set was made and a data set was found, but it is not an OAM data set. name.
166	<b>Explanation:</b> An alter volume or device type on OAM entries is not allowed.	194	
	<b>Programmer Response:</b> None	:	
: 168	<b>Explanation:</b> An attempt was made to alter an SMS-managed non-VSAM data set to a GDS name (e.g. the name ends with GnnnnVnn), but there is no GDG base associated with the new name.	:	
:		:	
:		:	<b>Programmer Response:</b> Verify that the name of the data set desired is an OAM data set.
:	<b>Programmer Response:</b> Change the name of the new data set to one that has an existing GDG base definition.	196	<b>Explanation:</b> A specific request to locate an OAM data set was made and a data set was found, but it is not an OAM data set. name.
170	<b>Explanation:</b> When defining an OAM data set, a generation data set low level qualifier (i.e., G0000V00) or an increment of a GDG number (i.e., +1) is invalid.	:	
		:	
	<b>Programmer Response:</b> Use a name other than the GDS low level qualifier or a GDG increment number. Rerun the define request.	:	
		:	<b>Programmer Response:</b> Verify that the name of the data set desired is an OAM data set.

Reason Code	Description	Reason Code	Description
200	<p><b>Explanation:</b> The ALTER ADDVOL function cannot be used to cause the number of volumes of a SMS-managed data set to exceed the maximum of 59 volumes.</p> <p><b>Programmer Response:</b> The maximum allowable volumes for a SMS-managed data set is 59. If this error was issued incorrectly, contact the IBM Support Center.</p>	x	<p><b>Explanation:</b> An internal logic error has occurred, or an error has been detected in the structure or contents of a VVDS.</p> <p><b>Programmer Response:</b> Run a DIAGNOSE and print the VVDS associated with the problem. These errors will usually be accompanied by additional console messages which contain SFI information necessary to diagnose the problem. Contact the IBM Support Center.</p>
202	<p><b>Explanation:</b> A request to recatalog a temporary non-VSAM data set is not valid.</p> <p><b>Programmer Response:</b> Correct the request. If the error recurs, contact the IBM Support Center.</p>	2	<p><b>Explanation:</b> New catalog name added. This is a normal return code returned during the adding of a new VVR. The associated catalog name of the VVR was new to the VVDS and was added to the VVCR/VVCN record.</p>
204	<p><b>Explanation:</b> HSM-INCOMPLETE-ON and HSM-INCOMPLETE-OFF are mutually exclusive. They cannot be active at the same time.</p> <p><b>Programmer Response:</b> Only one HSM-INCOMPLETE bit should be set at a time.</p>	4	<p><b>Programmer Response:</b> None</p> <p><b>Explanation:</b> VVDS Manager parameter list had incorrect information. This attention error code does not effect the operation of the request.</p>
216	<p><b>Explanation:</b> Define of ACCOUNT information is invalid for nonSMS-managed data sets.</p> <p><b>Programmer Response:</b> Ensure that the data set is SMS- managed and then rerun the request.</p>	5	<p><b>Programmer Response:</b> Contact the IBM Support Center.</p> <p><b>Explanation:</b> The VVDS required for LISTCAT could not be accessed. The missing data in the LISTCAT output will contain Xs. The volume might be offline, but a mount request is not automatically issued for a LISTCAT operation.</p>
218	<p><b>Explanation:</b> Alter of ACCOUNT information is invalid for nonSMS-managed data sets.</p> <p><b>Programmer Response:</b> Ensure that the data set is SMS-managed and then rerun the request.</p>	6	<p><b>Programmer Response:</b> Ignore the return code or ensure the volume is online and available for the LISTCAT operation.</p> <p><b>Explanation:</b> A requested VVR or NVR was not found in the VVDS specified. <i>sfi</i> in message IEC331I contains characters 5 through twelve of the requested VVR name.</p>
222	<p><b>Explanation:</b> Extended attribute (AX) cell and ACCOUNT information are mutually exclusive for define or alter request.</p> <p><b>Programmer Response:</b> Ensure that the AX cell and ACCOUNT information are not both specified during define or alter of the data set.</p>		<p><b>Programmer Response:</b> Ensure that the volume serial numbers provided in VOLUMES parameters and DD statements are correct. If all the commands are specified correctly, this condition may indicate an error in the catalog or VVDS. Run the DIAGNOSE command to determine if any catalog records are in error.</p>
<b>RETURN CODE 50</b>			

: **Explanation:** An error has been detected in VVDS  
: manager error. Message IEC331I may be produced for  
: the error and may contain additional information (*SFI*)  
: for diagnostic use.

Reason Code	Description
7	<p><b>Explanation:</b> One or more of the 3 required VVRs for a catalog was not found. <i>SFI</i> in message IEC331I contains the first 8 characters of the catalog name whose VVR(s) was missing.</p> <p><b>Programmer Response:</b> Run DIAGNOSE command against the VVDS and correct any problem detected.</p>
8	<p><b>Explanation:</b> A DEFINE command for a VVDS has failed because a VVDS already exists on the volume. No SFI data.</p> <p><b>Programmer Response:</b> If the existing VVDS is to be replaced, delete it before defining the new VVDS.</p>
9	<p><b>Explanation:</b> A dynamic allocation will require a TIOT slot, but a search finds none available. No SFI data.</p> <p><b>Programmer Response:</b> Contact the IBM Support Center.</p>
10	<p><b>Explanation:</b> Bad return code from dynamic allocation issued from DFSMS/MVS. SFI contains the SVC 99 reason code.</p> <p><b>Programmer Response:</b> Ensure that the VVDS name or the volume serial number provided is correct. If an access method services command was being processed, ensure that all required FILE parameters are supplied. Ensure that the volume will be mounted and available by providing a DD statement for the volume.</p>
11	<p><b>Explanation:</b> The caller of the VVDS manager passed a volume serial number in the parameter list and a UCB address. The UCB's volume serial does not match the parameter list volume serial. The SFI contains the UCB volume serial while the parameter list volume serial is in the second field in the SFI data.</p> <p><b>Programmer Response:</b> Contact the IBM Support Center.</p>

Reason Code	Description
12	<p><b>Explanation:</b> An attempt to allocate space on a DASD volume has failed. SFI contains the historical return code from DADSM allocate.</p> <p><b>Programmer Response:</b> Ensure that there is enough space for the VVDS data set being defined. The data set will require a minimum of three to four tracks. If space was available when the error occurred, contact the IBM Support Center.</p>
14	<p><b>Explanation:</b> A request to delete a VVDS has failed because the VVDS still contained VVRs. SFI contains the RBA of the first CI that contains a VVR.</p> <p><b>Programmer Response:</b> If the VVDS is to be deleted, first delete the VSAM data sets on the volume and then run the DELETE command again. Or, if the VVDS is to be recovered, run the DELETE command again with the RECOVERY parameter.</p>
16	<p><b>Explanation:</b> No storage was available for the VVDS manager work area. There may be no SFI data because the working storage for the VVDS manager could not be obtained. Otherwise, SFI will contain the register 15 return code from the GETMAIN request.</p> <p><b>Programmer Response:</b> Contact the IBM Support Center.</p>
17	<p><b>Explanation:</b> No storage was available for VVDS manager buffers. SFI contains 'xxxxzzzz' where xxxx is the amount of storage being requested and zzzz is the register 15 return code from the GETMAIN request.</p> <p><b>Programmer Response:</b> Increase available LSQA storage. This error can sometimes be avoided by decreasing the region size.</p>



Reason Code	Description	Reason Code	Description
25	<p><b>Explanation:</b> An OBTAIN was issued to read the F1 DSCB for an existing VVDS and OBTAIN returned with an error. SFI contains the register 15 return code from OBTAIN.</p> <p><b>Programmer Response:</b> A failure to obtain a DSCB for a VVR may indicate either a damaged VVDS or the existence of an orphan VVR. In either case, enter the DIAGNOSE command to check the integrity of the VVDS. Correct any errors found as a result of using the DIAGNOSE command.</p>	32	<p><b>Explanation:</b> The VVDS is full (maximum 65536 CIs). There is no SFI data.</p> <p><b>Programmer Response:</b> If a VSAM data set was being defined, use an alternate volume. If a VVDS was being defined, decrease the primary space allocation.</p>
26	<p><b>Explanation:</b> An OBTAIN was issued to read the F1 DSCB for a new VVDS and OBTAIN returned with an error. SFI contains the register 15 return code from OBTAIN.</p> <p><b>Programmer Response:</b> A failure to obtain a DSCB for a VVR may indicate either a damaged VVDS or the existence of an orphan VVR. In either case, enter the DIAGNOSE command to check the integrity of the VVDS. Correct any errors found as a result of using the DIAGNOSE command.</p>	38	<p><b>Explanation:</b> A DELETE command with the NOSCRATCH parameter has been issued for a catalog. The VVR for the catalog was not deleted because the catalog has data on the volume. SFI contains the RBA of the first CI that has a VVR owned by the catalog.</p> <p><b>Programmer Response:</b> Ensure that the correct catalog is being used and that the VVDS is correctly specified.</p>
28	<p><b>Explanation:</b> A call to VSAM end of volume to extent the VVDS has failed. SFI contains register 15 return code from end of volume.</p> <p><b>Programmer Response:</b> There is probably insufficient space on the volume or in the VTOC to extend the VVDS, in which case no more VSAM data sets can be defined on that volume until space is made available to extend the VVDS. If sufficient space is available at the time this error occurs, contact the IBM Support Center.</p>	40	<p><b>Explanation:</b> A call to scratch the F1 DSCB from a volume has failed. SFI contains the return code from the scratch.</p> <p><b>Programmer Response:</b> It is possible that a user other than the one issuing the delete has an outstanding ENQ on the VVDS. If this is the case, the ENQ should be removed.</p>
: 30	<p><b>Explanation:</b> While updating the VVDS, it was found to be full and needed to extend, but was already at the maximum number of extents (123). There is no SFI data.</p> <p><b>Programmer Response:</b> The volume must be recovered from backup after creating a larger VVDS, or unneeded data sets on the volume must be deleted to release space in the VVDS.</p>	82	<p><b>Explanation:</b> The system discovered, during synchronization processing of the VTOC and VVR extents, that the number of extents indicated for the data set in the VTOC is more than the number indicated in the VVR.</p> <p><b>Programmer Response:</b> Print the VVDS and VTOC. Contact the IBM Support Center.</p>
:		84	<p><b>Explanation:</b> The system discovered, during synchronization processing of the VTOC and VVR extents, that the number of extents indicated for the data set in the VVR is more than the number indicated in the VTOC.</p> <p><b>Programmer Response:</b> Print the VVDS and VTOC. Contact the IBM Support Center.</p>

Reason Code	Description
85	<b>Explanation:</b> During synchronization processing of the VTOC and VVR extents, the VVDS manager was unable to read the DSCBS.

	<b>Programmer Response:</b> Print the VVDS and VTOC. Contact the IBM Support Center.
86	<b>Explanation:</b> The VVR for the VVDS number of extents field is not valid; it has more than 123 extents in it. SFI contains the VVR's extent number.

	<b>Programmer Response:</b> Print the VVDS. Contact the IBM Support Center.
87	<b>Explanation:</b> During open processing of a data set, the system discovered that the extent information in the VVR does not match the extent information in the DSCB.

	<b>Programmer Response:</b> Use LISTCAT and LISTVTOC statements to determine the mismatch. Delete the data set, then define and reload it.
88	<b>Explanation:</b> A VVR or NVR with the correct component name was found, but the catalog name did not match. On a delete request, the BCS record will be deleted, but the VVR or NVR and the format 1 DSCB will not be scratched. There is no SFI data.

	<b>Programmer Response:</b> No action is required because this code is for information only.
92	<b>Explanation:</b> A request to allocate dynamically the VVDS has failed. SFI contains the dynamic allocation error reason code returned in the SVC 99 request block, or text stating why the allocation routine failed.

	<b>Programmer Response:</b> Determine why the dynamic allocation reason code was returned.
94	<b>Explanation:</b> A VSAM OPEN request to open the VVDS failed. SFI contains 'xxrrrrr', where rrrrrr=register 15 from the OPEN and xx is ACBERFLG.

**Programmer Response:** Determine why the OPEN reason code was returned.

Reason Code	Description
100	<b>Explanation:</b> A F1 DSCB with a SYS1.VVDS.Vxxxxxx was found and it is not a VSAM data set. A VVDS cannot be created or opened for this volume.

**Programmer Response:** Determine the source of the non-VSAM data set and have it renamed or removed.

#### RETURN CODE 52

: **Explanation:** An OBTAIN error occurred while  
: attempting to access a DSCB in the VTOC.

Reason Code	Description
x	<b>Explanation:</b> The reason codes are either the OBTAIN return code, the DADSM diagnostic code, or the CVAFCVSTAT code associated with the error.
:	
:	
:	
:	
:	<b>Programmer Response:</b> See <i>z/OS DFSMSdfp Diagnosis Reference</i> for an explanation of the completion codes.

#### RETURN CODE 54

**Explanation:** Incorrect use of JOBCAT or STEPCAT.

Reason Code	Description
2	<b>Explanation:</b> A JOBCAT or STEPCAT was found in a step that referenced an SMS data set.
4	<b>Explanation:</b> An attempt to define an SMS data set with JOBCAT or STEPCAT failed.

#### RETURN CODE 56

**Explanation:** A security verification failed.

Reason Code	Description
2	<p><b>Explanation:</b> The system attempted to verify alter authority to the master catalog (update authority for an ALTER NEWNAME), but the the user did not have the required authority.</p> <p><b>Programmer Response:</b> Ensure the user has the proper authority to the master catalog. For some types of requests, only the proper data set authority is required, and the master catalog is only checked if they do not have necessary data set authority. Granting the authority to the data set may eliminate this error.</p>
4	<p><b>Explanation:</b> A non-system caller has specified request special authority level checking in the catalog parameter list.</p> <p><b>Programmer Response:</b> Contact the IBM Support Center if the user written programs are not calling catalog management.</p>
6	<p><b>Explanation:</b> The user did not have the required access authority to the specified entry.</p> <p><b>Programmer Response:</b> Ensure the user has the proper RACF authorization for the function being requested.</p>
8	<p><b>Explanation:</b> The return code from the RACHECK REQUEST=AUTH was other than 0, 4, or 8.</p> <p><b>Programmer Response:</b> Determine the reason for the unexpected RACF return code.</p>
14	<p><b>Explanation:</b> An implicit alter of a GDG was denied because the user did not have the the proper authority to the GDG base and the catalog.</p> <p><b>Programmer Response:</b> Ensure the user has the proper authority for the GDG base.</p>
16	<p><b>Explanation:</b> The caller is not authorized for the requested SMS Management Class, SMS Storage Class, or both.</p>
28	<p><b>Explanation:</b> An unauthorized caller attempted to define an SMS data set.</p> <p><b>Programmer Response:</b> Ensure the caller is APF authorized, or system key or system state.</p>

Reason Code	Description
30	<p><b>Explanation:</b> The caller was not authorized to the catalog when defining an SMS data set into the master catalog.</p>
32	<p><b>Explanation:</b> The return code from the RACHECK REQUEST=AUTH was other than 0, 4, or 8 when attempting to verify access to a facility class.</p> <p><b>Programmer Response:</b> Determine the reason for the unexpected RACF return code.</p>
34	<p><b>Explanation:</b> An internal logic error has occurred.</p> <p><b>Programmer Response:</b> Contact the IBM Support Center.</p>
36	<p><b>Explanation:</b> The caller is not authorized. When no profile exists for functions that require RACF authorization, the caller must be at least APF authorized.</p>
40	<p><b>Explanation:</b> RACF options do not permit use or cataloging of uncataloged non-SMS managed data sets.</p>
42	<p><b>Explanation:</b> Caller is not authorized to use the specified volume.</p> <p><b>Programmer Response:</b> Acquire authority to the specified volume and resubmit the job.</p>
44	<p><b>Explanation:</b> Caller is not authorized to update catalog for DEFINE ATL request</p>

#### RETURN CODE 60

**Explanation:** Incorrect entry type for requested action.

Reason Code	Description
2	<p><b>Explanation:</b> Probable system error. An incorrect entry type for an extract operation was detected.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>

Reason Code	Description	Reason Code	Description
4	<p><b>Explanation:</b> An incorrect entry type (cluster or non-VSAM) was detected.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>	12	<p><b>Explanation:</b> An incorrect entry type (CLUSTER) to ALTER volumes was detected.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>
6	<p><b>Explanation:</b> An incorrect cluster entry for ALTER of data set attributes was detected.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>	14	<p><b>Explanation:</b> Probable system error. An incorrect catalog parameter list was supplied in an attempt to add a volume.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>
8	<p><b>Explanation:</b> An incorrect cluster or index entry for ALTER of buffer size was detected.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>	14	<p><b>Explanation:</b> A specific volume serial has been specified in an ALTER ADDVOLUMES or ALTER REMOVEVOLUMES for an SMS-managed data set.</p> <p><b>Programmer Response:</b> Change the volume serial(s) to a nonspecific value ("*").</p>
10	<p><b>Explanation:</b> An incorrect entry type (CLUSTER) to ALTER the FREESPACE or WRITECHECK parameters was detected.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>	20	<p><b>Explanation:</b> The upgrade set association in the base cluster data record does not point to an upgrade set record.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>

Reason Code	Description	Reason Code	Description
22	<p><b>Explanation:</b> The data association in the cluster record does not point to a data record.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>	32	<p><b>Explanation:</b> ALTER of last back-up date was specified, but the component is not a cluster, non VSAM, or GDS.</p>
26	<p><b>Explanation:</b> ALTER of EXCEPTIONEXIT was specified, but the entry is not a data or index component.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>	34	<p><b>Explanation:</b> ALTER of last back-up date was specified, but the data set is non-SMS managed and does not have a last back-up date.</p>
28	<p><b>Explanation:</b> ALTER of average RECORDSIZE was specified, but the entry is not a data or index component.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>	36	<p><b>Explanation:</b> An alias entry may only be defined for non-VSAM or user catalog entries.</p> <p><b>Programmer Response:</b> Do not attempt an incorrect DEFINE operation.</p>
30	<p><b>Explanation:</b> ALTER of expiration date was specified but the entry is not a cluster, alternate index, or path.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>	38	<p><b>Explanation:</b> A LOCATE or ALTER was specified for a GDG base, and entry is not a GDG.</p> <p><b>Programmer Response:</b> GDGs must have qualified names. Ensure that all levels of qualification are specified for GDG. Submit the job again.</p>
		40	<p><b>Explanation:</b> An input base record to catalog upgrade management is not an alternate index, cluster or data type entry.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP 11 option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>
		42	<p><b>Explanation:</b> An input base record to catalog reusable processing is not a data type entry.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog entry is still valid, by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP 11 option. Contact the IBM Support Center. Otherwise, correct the error. Run the job again.</p>



Reason Code	Description	Reason Code	Description
44	<p><b>Explanation:</b> An incorrect entry type was encountered in a DELETE operation, other than the expected alias entry.</p> <p><b>Programmer Response:</b> Ensure that the proper entry name was specified and that the catalog reflects the expected structure. It may be necessary to rebuild the catalog.</p>	60	<p><b>Explanation:</b> ALTER of FILEDATA is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>
46	<p><b>Explanation:</b> An incorrect entry type was encountered in a DELETE operation, other than the expected VVR type.</p> <p><b>Programmer Response:</b> Ensure that the proper entry name was specified.</p>	62	<p><b>Explanation:</b> An attempt has been made to alter DFM attributes for a non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>
48	<p><b>Explanation:</b> An entry type other than the expected NVR type was encountered in a DELETE operation.</p>	64	<p><b>Explanation:</b> ALTER of 'DFM/NFSS ACCESS AUTH' field is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>
50	<p><b>Explanation:</b> An incorrect entry type, other than the expected BCS type, was encountered in a delete operation.</p> <p><b>Programmer Response:</b> Ensure that the correct entry type was specified.</p>	66	<p><b>Explanation:</b> ALTER of 'DFM/NFSS ACCESS TIME' field is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>
52	<p><b>Explanation:</b> ALTER of SMS constructs was specified, but the component is not a cluster, non-VSAM, or GDS.</p>		
54	<p><b>Explanation:</b> Define an Extended Format UCAT is not allowed.</p> <p><b>Programmer Response:</b> Define the UCAT as a non-Extended Format data set.</p>	70	<p><b>Explanation:</b> ALTER of 'DFM/NFSS USERID' field is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>
56	<p><b>Explanation:</b> ALTER of FILEID or CCSID is not allowed with other DFM attributes.</p> <p><b>Programmer Response:</b> Ensure that no other DFM attributes are being altered in the same request. Run the job again.</p>	72	<p><b>Explanation:</b> ALTER of 'DFM/NFSS GROUPLD' field is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>
58	<p><b>Explanation:</b> ALTER of CCSID is not allowed for non-SMS managed data set, or the data component of a catalog.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>		

Reason Code	Description	Reason Code	Description
74	<p><b>Explanation:</b> ALTER of 'DFM/NFSS LAST SIZE CHANGE' field is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>	86	<p><b>Explanation:</b> ALTER of 'DFM/NFSS TEXT TIMESTAMP' field is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>
76	<p><b>Explanation:</b> ALTER of 'DFM/NFSS MODIFIED TIME' field is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>	88	<p><b>Explanation:</b> ALTER of 'DFM/NFSS ATTRIBUTE EXTENSION FLAGS' is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>
78	<p><b>Explanation:</b> ALTER of 'DFM/NFSS ATTR CHNG TIME' field is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>	90	<p><b>Explanation:</b> ALTER of 'DFM/NFSS EXTENDSION AREA' field is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>
80	<p><b>Explanation:</b> ALTER of 'DFM/NFSS BINARY FILE SIZE' field is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>	92	<p><b>Explanation:</b> ALTER of the RLS SMS flag is not allowed for a data set that is not capable of being used by RLS. Data sets that are Linear, non-SMS managed, keyrange or temporary are not eligible for RLS access.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is eligible for RLS processing. Correct the error. Run the job again.</p>
82	<p><b>Explanation:</b> ALTER of 'DFM/NFSS LOGICAL RECORD COUNT' field is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set.</p>	94	<p><b>Explanation:</b> ALTER of the RLS recovery timestamp (local) is not allowed for a data set that is not capable of being used by RLS. Data sets that are Linear, non-SMS managed, keyrange or temporary are not eligible for RLS access.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is eligible for RLS processing. Correct the error. Run the job again.</p>
84	<p><b>Explanation:</b> ALTER of 'DFM/NFSS CHARS NO PADDING' field is not allowed for non-SMS managed data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM or non-VSAM data set. Correct the error. Run the job again.</p>		

Reason Code	Description	Reason Code	Description
96	<p><b>Explanation:</b> ALTER of the RLS recovery timestamp (GMT) is not allowed for a data set that is not capable of being used by RLS. Data sets that are Linear, non-SMS managed, keyrange or temporary are not eligible for RLS access.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is eligible for RLS processing. Correct the error. Run the job again.</p>	106	<p><b>Explanation:</b> ALTER of the LOGSTREAMID parameter is not allowed for a data set that is not capable of being used by RLS. Data sets that are Linear, non-SMS managed, are keyrange or temporary are not eligible for RLS access.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is eligible for RLS processing. Correct the error. Run the job again.</p>
98	<p><b>Explanation:</b> ALTER of the RLS flags is not allowed for a data set that is not capable of being used by RLS. Data sets that are Linear, non-SMS managed, are keyrange or temporary are not eligible for RLS access.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is eligible for RLS processing. Correct the error. Run the job again.</p>	108	<p><b>Explanation:</b> ALTER of the LOG parameter is not allowed for a data set that is not capable of being used by RLS. Data sets that are Linear, non-SMS managed, are keyrange or temporary are not eligible for RLS access.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is eligible for RLS processing. Correct the error. Run the job again.</p>
100	<p><b>Explanation:</b> ALTER of the BWO flag is not allowed for non-SMS managed data set or a linear data set.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is an SMS managed VSAM data set that is not LINEAR. Correct the error. Run the job again.</p>	110	<p><b>Explanation:</b> ALTER of the FRLOG parameter is not allowed for a data set that is not capable of being used by RLS. Data sets that are Linear, non-SMS managed, are keyrange or temporary are not eligible for RLS access.</p>
102	<p><b>Explanation:</b> ALTER of 'ACCOUNT INFORMATION' is specified but the entry type is not Data, NonVSAM, or GDS.</p> <p><b>Programmer Response:</b> Ensure that the name of the entry specified in the command is correct. Ensure that the catalog is still valid by performing a LISTCAT run. If the reason code indicates a system error, list the catalog using the PRINT command with the DUMP11 option. Contact the IBM Support Center. Otherwise, correct the error and run the job again.</p>	112	<p><b>Programmer Response:</b> Ensure that the entry being altered is eligible for RLS processing. Correct the error. Run the job again.</p> <p><b>Explanation:</b> An IDCAMS SHCDS command with either the CFRESET or CFRESETDS keywords was issued against a data set not capable of being used by RLS. Data sets that are Linear, non-SMS managed, are keyrange or temporary are not eligible for RLS access.</p> <p><b>Programmer Response:</b> Ensure that the entry being altered is eligible for RLS processing. Correct the error. Run the job again.</p>
104	<p><b>Explanation:</b> Invalid entry type for alter of extended addressability data set.</p>	<p><b>RETURN CODE 62</b></p> <p><b>Explanation:</b> An error was encountered while initializing the extension of a data set.</p>	

Reason Code	Description
: x	<b>Explanation:</b> An attempt to extend a striped data set to a new volume encountered an internal logic error when locating the volume information in the catalog to be updated.
:	
:	<b>Programmer Response:</b> Contact the IBM Support Center.
:	

#### RETURN CODE 64

**Explanation:** The associated entry does not exist. This condition indicates that a system error has occurred such that the catalog cannot find either a data or an index entry which is associated with a cluster or alternate index entry.

Reason Code	Description
: x	<b>Explanation:</b> An internal logic error has occurred.
:	
:	<b>Programmer Response:</b> Contact the IBM Support Center.
:	
6	<b>Explanation:</b> The association of a truename record in an ICF catalog is incorrect.
	<b>Programmer Response:</b> Use access method services to define the associated base of the truename record.

#### RETURN CODE 66

**Explanation:** Bad DADSM parameter list.

Reason Code	Description
: x	<b>Explanation:</b> The reason code listed is the return code from the DADSM function, which may have been a RENAME or a SCRATCH request.
:	
:	
:	

#### RETURN CODE 68

**Explanation:** No space is available on the user volume. Only the primary volume will be used for ICF catalogs.

Reason Code	Description
: x	<b>Explanation:</b> The return DADSM Historic Return Code was other than 0, 4, 8, or 12. The reason code shown is the DADSM return code. See z/OS <i>DFSMSdfp Diagnosis Reference</i> for an explanation of the DADSM return and diagnostic codes.
:	
:	
:	

**Programmer Response:** The return code is returned by DADSM.

**Explanation:** An attempt to allocate an SMS-managed data set using the Best Fit interface was able to allocate space on all supplied volumes, but the amount of space allocated was not the total amount required.

**Programmer Response:** The storage group did not contain sufficient space to allocate the data set.

#### RETURN CODE 70

**Explanation:** Component not found.

Reason Code	Description
: 0	<b>Explanation:</b> An internal logic error has occurred procesing a GDS record.
:	
:	<b>Programmer Response:</b> Contact the IBM Support Center.
:	

#### RETURN CODE 72

**Explanation:** The user volume is not mounted. The reason codes are from VSAM open/close/end-of-volume, volume mount and verify routine IDA0192V.

Reason Code	Description
4	<b>Explanation:</b> Unable to mount user volumes.
	<b>Programmer Response:</b> Ensure that proper volumes are implicitly or explicitly allocated by the JCL.

Reason Code	Description	Reason Code	Description
8	<p><b>Explanation:</b> An error occurred while attempting to mount the user volume. Examples of possible errors include insufficient virtual storage for workareas or a time-stamp mismatch problem.</p> <p><b>Programmer Response:</b> Verify that the volume and the volume information (time stamps) contained in the catalog are at the same level. If the problem is due to insufficient virtual storage, specify a larger region parameter. Run the job again.</p>	10	<p><b>Explanation:</b> The SMS cell was not found in the VVDS entry for a data set, even though the data set is SMS-managed.</p> <p><b>Programmer Response:</b> Run access method services DIAGNOSE command against the catalog and then determine the action to be taken. The data set may need to be copied to a new SMS data set and the failing data set deleted.</p>
		12	<p><b>Explanation:</b> The SMS cell was not found in the BCS entry for a data set, even though the data set is SMS-managed.</p> <p><b>Programmer Response:</b> Run access method services DIAGNOSE command against the catalog and then determine the action to be taken. The catalog may be repaired by doing a DELETE NOSCRATCH, followed by DEFINE RECATALOG.</p>
<b>RETURN CODE 74</b>			
	<b>Explanation:</b> Cell not found.		
Reason Code	Description		
0	<p><b>Explanation:</b> The volume cell for a base clusters data or index component was not found. A DEFINE alternate index command was being processed.</p> <p><b>Programmer Response:</b> Run access method services DIAGNOSE command for additional information. The base cluster may have to be deleted with the NOSCRATCH option and redefined with the RECATALOG option.</p>		
2	<p><b>Explanation:</b> The relate cell was not found in the base cluster sphere record while a moved subrecord update was in progress.</p> <p><b>Programmer Response:</b> Run access method services DIAGNOSE command against the catalog and then determine the action to be taken. Delete with the NOSCRATCH parameter. Define with the RECATALOG parameter.</p>		
4	<p><b>Explanation:</b> An association cell was not found for a path or alias record while a subrecord move update was in progress.</p> <p><b>Programmer Response:</b> Run access method services DIAGNOSE command against the catalog and then determine the action to be taken. Delete with the NOSCRATCH parameter. Define with the RECATALOG parameter.</p>		
		<b>RETURN CODE 76</b>	
		<b>Explanation:</b> No unit available for mounting or volume not mounted.	
Reason Code	Description		
0	<p><b>Explanation:</b> Access method services ALTER name change of a unique object was specified, but no volumes containing any part of the data set were mounted.</p> <p><b>Programmer Response:</b> Ensure that JCL statements cause the proper volumes and units to be allocated. Also, ensure that all ddnames specified match the access method services dname parameter when specified. Determine a minimum unit count and have sufficient units available for job processing. Ensure that volumes are allocatable by the use of dynamic allocation.</p>		



Reason Code	Description
2	<p><b>Explanation:</b> The volume was not mounted when expected.</p> <p><b>Programmer Response:</b> Ensure that JCL statements cause the proper volumes and units to be allocated. Also, ensure that all ddnames specified match the access method services dname parameter when specified. Determine a minimum unit count and have sufficient units available for job processing. Ensure that volumes are allocatable by the use of dynamic allocation.</p>
8	<p><b>Explanation:</b> A scan of the task I/O table (TIOT) failed to find a needed JCL dd statement.</p> <p><b>Programmer Response:</b> Ensure that you have all needed JCL DD statements and that all JCL statements cause the proper volumes and units to be allocated. Also, ensure that all ddnames specified match the access method services dname parameter when specified. Determine a minimum unit count and have sufficient units available for job processing. Ensure that volumes are allocatable by the use of dynamic allocation.</p> <p>For a non-VSAM data set, ensure the number of volumes on the DD statement match the number of volumes where the data set resides.</p>
10	<p><b>Explanation:</b> A scan of the task I/O table (TIOT) failed to find the user specified JCL ddname statement.</p> <p><b>Programmer Response:</b> Ensure that JCL statements cause the proper volumes and units to be allocated. Also, ensure that all ddnames specified match the access method services dname parameter when specified. Determine a minimum unit count and have sufficient units available for job processing. Ensure that volumes are allocatable by the use of dynamic allocation.</p>

Reason Code	Description
12	<p><b>Explanation:</b> A scan of the task I/O table (TIOT) failed to find the user specified JCL ddname statement.</p> <p><b>Programmer Response:</b> Ensure that JCL statements cause the proper volumes and units to be allocated. Also, ensure that all ddnames specified match the access method services dname parameter when specified. Determine a minimum unit count and have sufficient units available for job processing. Ensure that volumes are allocatable by the use of dynamic allocation.</p>

#### RETURN CODE 78

**Explanation:** Subrecord move error.

Reason Code	Description
: x	<p><b>Explanation:</b> An internal logic error occurred while processing a subrecord.</p> <p><b>Programmer Response:</b> Contact the IBM Support Center.</p>

#### RETURN CODE 80

**Explanation:** Incorrect related object. The object specified in the RELATE parameter of a DEFINE command does not exist, or is improper for the type of object being defined.

Reason Code	Description
: x	<p><b>Explanation:</b> An internal logic error occurred.</p> <p><b>Programmer Response:</b> Contact the IBM Support Center.</p>
0	<p><b>Explanation:</b> The related object is reusable.</p> <p><b>Programmer Response:</b> Correct the DEFINE command so that the entry named in the RELATE parameter is proper for the type of object being defined.</p>

Reason Code	Description
2	<p><b>Explanation:</b> The related object is a relative-record data set or a linear data set.</p> <p><b>Programmer Response:</b> Correct the DEFINE command so that the entry named in the RELATE parameter is proper for the type of object being defined.</p>
4	<p><b>Explanation:</b> The related object does not exist.</p> <p><b>Programmer Response:</b> Correct the DEFINE command so that the entry named in the RELATE parameter is proper for the type of object being defined.</p>
6	<p><b>Explanation:</b> An alternate index or path is not allowed to be built over a catalog.</p> <p><b>Programmer Response:</b> Correct the DEFINE command so that the entry named in the RELATE parameter is proper for the type of object being defined.</p>
8	<p><b>Explanation:</b> The names of an alternate index or path and a related object are identical.</p> <p><b>Programmer Response:</b> Correct the DEFINE command so that the entry named in the RELATE parameter is proper for the type of object being defined.</p>
10	<p><b>Explanation:</b> There is no pointer to a related object of an alternate index or path.</p> <p><b>Programmer Response:</b> Correct the DEFINE command so that the entry named in the RELATE parameter is proper for the type of object being defined.</p>
12	<p><b>Explanation:</b> An alternate index is not to be built over a base cluster, or the related path object is not a cluster or an alternate index.</p> <p><b>Programmer Response:</b> Correct the DEFINE command so that the entry named in the RELATE parameter is proper for the type of object being defined.</p>

Reason Code	Description
14	<p><b>Explanation:</b> A DEFINE PATH command specified a PATHENTRY name of a PAGESPACE object.</p> <p><b>Programmer Response:</b> Correct the path entry name. Run the DEFINE PATH command again.</p>
16	<p><b>Explanation:</b> A DEFINE PATH command has specified a PATHENTRY name for a VVDS.</p> <p><b>Programmer Response:</b> Correct the path entry name. Run the DEFINE PATH command again.</p>
20	<p><b>Explanation:</b> The related object for a DEFINE ALTERNATEINDEX is a VVDS.</p> <p><b>Programmer Response:</b> Correct the related name. Run the DEFINE AIX command again.</p>
28	<p><b>Explanation:</b> The related name specified for a DEFINE ALIAS command is for a record type other than NONVSAM or USERCATALOG.</p> <p><b>Programmer Response:</b> Ensure that the related name is correct and that a DEFINE ALIAS command is desired. If the above is true refer to access method services DIAGNOSE command to obtain additional information.</p>
30	<p><b>Explanation:</b> The version number of the related generation data set name does not match the version number in the base GDG. The DEFINE ALIAS will fail.</p> <p><b>Programmer Response:</b> Correct the version number in the GnnnnVnn part of the generation data set name. Run the DEFINE ALIAS command again.</p>
40	<p><b>Explanation:</b> The related object is a variable relative-record data set.</p>

#### **RETURN CODE 84**

**Explanation:** Date error.

Reason Code	Description
0	<p><b>Explanation:</b> An unexpired purge date exists. An attempt to delete an entry failed because its expiration date has not been reached, and the DELETE command did not specify the PURGE option.</p> <p><b>Programmer Response:</b> Specify the PURGE option if desired. Run the DELETE command again.</p>
2	<p><b>Explanation:</b> There are conflicting date formats. An attempt to retrieve a date in the new format (YYYYDDD) failed because the request used the old format (YYDD) by passing the old format field dictionary name DSETEXDT or DSETCRDT. The date cannot be passed correctly in the old format.</p> <p><b>Programmer Response:</b> Submit the job again using the new format field dictionary name DSCRDT2 (creation date) or DSEXDT2 (expiration date).</p>
4	<p><b>Explanation:</b> An unexpired new format purge date exists. An attempt to delete an entry failed because its expiration date has not been reached, and the DELETE command did not specify the PURGE option. This expiration date is stored in the new format (YYYYDDD) and it is beyond the year 1999.</p> <p><b>Programmer Response:</b> Specify the PURGE option if desired. Run the DELETE command again.</p>

## RETURN CODE 86

**Explanation:** Recatalog error.

Reason Code	Description
0	<p><b>Explanation:</b> No related PATHENTRY name was found on the path catalog record.</p> <p><b>Programmer Response:</b> Ensure that the PATHENTRY name is correct. If it is, refer to access method services, DIAGNOSE command, to obtain additional information.</p>
: 2	<p><b>Explanation:</b> An internal logic error occurred.</p>
:	
:	<p><b>Programmer Response:</b> Contact the IBM Support Center.</p>
:	

Reason Code	Description
4	<p><b>Explanation:</b> Something other than a CLUSTER or alternate index type object specified the RECATALOG parameter.</p> <p><b>Programmer Response:</b> Ensure that the object being recataloged is a cluster or alternate index.</p>
6	<p><b>Explanation:</b> Either the primary VSAM volume record (VVR) points to another catalog, or the primary VVR or non-VSAM volume record (NVR) for the object being recataloged was not found on the first volume serial number specified. The primary VVR or NVR contains the data set information needed to recatalog the object.</p> <p>Possible causes of this error are:</p> <ul style="list-style-type: none"> <li>• No VVR exists.</li> <li>• A VVR exists, but it points to another catalog.</li> <li>• Parameters were not specified as they were when the cluster was originally defined. The parameters are NAME, INDEXED, LINEAR, NONINDEXED, NUMBERED, and VOLUMES.</li> </ul> <p><b>Programmer Response:</b></p> <p>If no VVR exists, then re-issue the DEFINE command, without the RECATALOG parameter, for the ICF catalog.</p> <p>If the VVR exists but points to a different catalog, specify the correct catalog and re-issue the DEFINE command with the RECATALOG parameter.</p> <p>If the original values for parameters NAME, INDEXED, LINEAR, NONINDEXED, NUMBERED, and VOLUMES were not specified, specify the original values and re-issue the DEFINE command with the RECATALOG parameter.</p> <p><b>Explanation:</b> The RECATALOG parameter is incorrect on the DEFINE command for an ICF catalog.</p>
8	

Reason Code	Description
10	<p><b>Explanation:</b> The catalog associated with this data set does not match the catalog name found in the VVR.</p> <p><b>Programmer Response:</b> You can only recatalog pagespace, swapspace, or SYS1 data sets to a different catalog than the one specified in the VVR. If the data set you are recataloging is one of those types, or if you are getting this error in response to a REPRO MERGECAT command, contact the IBM support center.</p> <p>If your data sets is not one of those types, print the VVR to determine which catalog the data set should be associated with.</p>
12	<p><b>Explanation:</b> The VVR for the data set being recataloged indicated it was for a LINEAR data set, but the DEFINE RECATALOG command did not specify the LINEAR keyword.</p>
14	<p><b>Explanation:</b> The DEFINE RECATALOG command specified the LINEAR keyword, but the VVR for the data set did not indicate it was a LINEAR data set.</p>
16	<p><b>Explanation:</b> NVR for the object being recataloged was not found on the volume serial numbers specified.</p>
18	<p><b>Explanation:</b> Something other than the expected NVR was retrieved.</p>
20	<p><b>Explanation:</b> A DEFINE NONVSAM RECATALOG request was issued on a volume that does not have the UCBSMS indicator on.</p> <p><b>Programmer Response:</b> This could result from an IDCAMS DEFINE NONVSAM RECATALOG request or an IDCAMS REPRO request that would cause the DEFINE RECATALOG to be issued. A DEFINE NONVSAM RECATALOG request is valid only for SMS NONVSAM data sets. Therefore, the volume specified must have the UCBSMS indicator set to on. Check to see if the volume was removed from the active configuration or if the volume was set to non-SMS status. Correct the error and run the job again.</p>
22	<p><b>Explanation:</b> The VVR/NVR catalog name does not match the name of the catalog currently oriented to.</p>

## RETURN CODE 90

**Explanation:** Delete error.

Reason Code	Description
2	<p><b>Explanation:</b> An attempt was made to delete the Master Catalog.</p> <p><b>Programmer Response:</b> Determine if the correct catalog is specified. If so, run the job again with a different master catalog.</p>
4	<p><b>Explanation:</b> The system was unable to determine if the catalog is empty.</p> <p><b>Programmer Response:</b> Specify FORCE, RECOVERY, or run DIAGNOSE and recommended action.</p>
6	<p><b>Explanation:</b> An incorrect DELETE TRUENAME request was specified. The associated base object exists.</p> <p><b>Programmer Response:</b> User error.</p>
8	<p><b>Explanation:</b> A pagespace record was damaged. It could not be determined if pagespace was active.</p> <p><b>Programmer Response:</b> Run DIAGNOSE and take the recommended action.</p>
10	<p><b>Explanation:</b> The generation data set was not found in the GDG.</p> <p><b>Programmer Response:</b> Run LISTCAT to determine the generation data sets in the GDG. Run the delete job again with the correct generation/version number.</p>
12	<p><b>Explanation:</b> A required FILE parameter was not specified on the DELETE VVR command.</p> <p><b>Programmer Response:</b> Specify FILE parameter. Run the job again.</p>
14	<p><b>Explanation:</b> No DD was found to match the supplied DD name on the DELETE VVR request.</p> <p><b>Programmer Response:</b> Check FILE parameter. Run the job again with the correct DD name.</p>
16	<p><b>Explanation:</b> DELETE VVR request for a VVR with an associated catalog.</p> <p><b>Programmer Response:</b> User error.</p>

Reason Code	Description	Reason Code	Description
18	<b>Explanation:</b> The usercatalog parameter is missing.  <b>Programmer Response:</b> Specify the file parameter. Run the job again.	36	<b>Explanation:</b> DELETE VVR resulted in an attempt to delete a DSCB whose name resolves to an associated keyrange VVR. Nothing was deleted.
20	<b>Explanation:</b> DELETE NVR request for a NVR with an associated catalog.  <b>Programmer Response:</b> This is probably a user error.	38	<b>Programmer Response:</b> User error. Use DELETE CLUSTER. <b>Explanation:</b> For DELETE VVR, both the VVR and DSCB were not found. Nothing was deleted.
22	<b>Explanation:</b> No DD was found to match the DD name on the DELETE NVR request.  <b>Programmer Response:</b> User error. Respecify the DDname in the FILE parameter. Run the job again.	40	<b>Programmer Response:</b> Informational message. Neither the VVR nor the DSCB were found. The object name may be misspelled. If so, run the job again with the correct object name specified. <b>Explanation:</b> For DELETE VVR, the DSCB was not found.
24	<b>Explanation:</b> The request is to delete an SMS data set only, but the data set is non-SMS managed.  <b>Programmer Response:</b> This is probably a user error.	42	<b>Programmer Response:</b> Informational message. The VVR was found, but the associated DSCB was not found. The VVR is deleted. <b>Explanation:</b> An NVR was retrieved during a DELETE VVR request.
26	<b>Explanation:</b> A required FILE parameter was not specified on the DELETE NVR command.  <b>Programmer Response:</b> This is probably a user error.	44	<b>Programmer Response:</b> User error. Specify DELETE NVR and run the job again. <b>Explanation:</b> A VVR was retrieved during a DELETE NVR request.
30	<b>Explanation:</b> DELETE VVR resulted in an attempt to delete a DSCB that has an associated VVR with a catalog name other than the one specified. Nothing was deleted.  <b>Programmer Response:</b> This is probably a user error.	46	<b>Programmer Response:</b> User error. Specify DELETE VVR and run the job again. <b>Explanation:</b> DELETE VVR failed to specify the system master catalog name in the catalog parameter.
32	<b>Explanation:</b> For DELETE VVR/NVR, the VVR/NVR was not found, but a DSCB was found. The DSCB was deleted.  <b>Programmer Response:</b> This is an informational message. No action is required.	48	<b>Programmer Response:</b> User error. Rerun the failing DELETE VVR job specifying the system master catalog name in the catalog parameter. <b>Explanation:</b> DELETE CLUSTER failed because the data set is using RLS resources.
34	<b>Explanation:</b> DELETE VVR resulted in an attempt to delete a non-VSAM DSCB. Nothing was deleted.  <b>Programmer Response:</b> User error. DELETE VVR cannot be used to delete non-VSAM data sets.	50	<b>Programmer Response:</b> This data set must be deleted on a DFSMS/MVS 1.3 or higher system to ensure the RLS resources are freed. <b>Explanation:</b> DELETE failed because SMSVSAM Server was not available.  <b>Programmer Response:</b> Retry the operation when the SMSVSAM Server is available.



Reason Code	Description
52	<p><b>Explanation:</b> The SMSVSAM Server encountered an internal error performing the delete operation. Diagnostic data will be written to Logrec, and a system dump may have been taken.</p> <p><b>Programmer Response:</b> Refer the problem to IBM programming support center.</p>

#### RETURN CODE 94

**Explanation:** A DADSM OBTAIN request failed during a catalog delete request.

Reason Code	Description
4	<p><b>Explanation:</b> The correct volume was not mounted for OBTAIN.</p> <p><b>Programmer Response:</b> Check the JCL and file parameters, and ensure that the required volume is mounted.</p>
8	<p><b>Explanation:</b> OBTAIN did not find requested format-1 DSCB on specified volume.</p> <p><b>Programmer Response:</b> Ensure that the correct volume is mounted.</p>
12	<p><b>Explanation:</b> OBTAIN encountered an I/O error in the volume's VTOC.</p> <p><b>Programmer Response:</b> Check for a possible hardware error.</p>
x	<p><b>Explanation:</b> The reason code is the OBTAIN return code.</p> <p><b>Programmer Response:</b> Determine the meaning of the obtain return code. Correct the error. Run the job again.</p>

#### RETURN CODE 96

**Explanation:** An error occurred in specifying key length, key position, or record size for an alternate index or spanned cluster.

Reason Code	Description
0	<p><b>Explanation:</b> The key specified for spanned record exceeds the control interval size.</p> <p><b>Programmer Response:</b> Correct the erroneous parameter (KEYS or RECORDSIZE). Run the job again.</p>
4	<p><b>Explanation:</b> The maximum logical record size for spanned records exceeds the control area size.</p> <p><b>Programmer Response:</b> Correct the erroneous parameter (KEYS or RECORDSIZE). Run the job again.</p>
6	<p><b>Explanation:</b> The alternate index key position plus the key length for the base cluster is larger than the control interval size minus 10 for spanned records.</p> <p><b>Programmer Response:</b> Correct the erroneous parameter (KEYS or RECORDSIZE). Run the job again.</p>
8	<p><b>Explanation:</b> The alternate index key position plus the key length for the base cluster is larger than the record size.</p> <p><b>Programmer Response:</b> Correct the erroneous parameter (KEYS or RECORDSIZE). Run the job again.</p>

#### RETURN CODE 98

**Explanation:** An unusual condition occurred during an ALTER name of a unique or non-VSAM data set.

Reason Code	Description
x	<p><b>Explanation:</b> The reason code is the same as returned by the DADSM RENAME function in the status byte of the RENAME volume list.</p> <p><b>Programmer Response:</b> Determine the meaning of the RENAME return code, as documented in the "Status Codes from RENAME" section in <i>z/OS DFSMSdfp Diagnosis Reference</i>. Correct the error. Run the job again.</p>

#### RETURN CODE 102

**Explanation:** A DADSM SCRATCH request failed during a catalog delete request for a unique or non-VSAM data set.

<b>Reason Code</b>	<b>Description</b>
x	<b>Explanation:</b> The reason code is the DADSM SCRATCH function status code.

**Programmer Response:** Determine the meaning of the SCRATCH status code. See *z/OS DFSMSdfp Diagnosis Reference* for these status codes and take the appropriate corrective action before rerunning the job that failed.

#### RETURN CODE 108

**Explanation:** An incorrect field name was found in the field parameter list (CTGFL). The field name passed by AMS does not exist in the catalog management dictionary.

<b>Reason Code</b>	<b>Description</b>
0	<b>Programmer Response:</b> The message indicates that the caller's AMS release level or maintenance level is different from the CATALOG level that is being called. Ensure that IDCAMS and CATALOG are at the same level.

#### RETURN CODE 110

**Explanation:** Unable to modify or delete RACF profile.

<b>Reason Code</b>	<b>Description</b>
4	<b>Explanation:</b> The data set to which an ALTER RENAME command is directed is RACF indicated. However, there is no RACF profile.

**Programmer Response:** Make the data set RACF-protected or remove the RACF indicator.

<b>Reason Code</b>	<b>Description</b>
8	<b>Explanation:</b> An ALTER RENAME command has been issued for a RACF-protected data set. This failed because as a result of the new name, the data set cannot be defined to the security subsystem.

**Programmer Response:** Use a new name acceptable to the security subsystem.

#### RETURN CODE 112

**Explanation:** Incorrect field parameter list (FPL).

<b>Reason Code</b>	<b>Description</b>
4	<b>Explanation:</b> An internal logic error occurred.
	<b>Programmer Response:</b> Probable system error. Contact the IBM Support Center. However, if a user program is interfacing directly with catalog management, the FPL contains improper data.

#### RETURN CODE 114

**Explanation:** A duplicate RACF profile exists.

<b>Reason Code</b>	<b>Description</b>
0	<b>Explanation:</b> As a result of an IMPORT or DEFINE command, VSAM has attempted to establish a RACF profile for a cluster/alternate index, data, or index object. This failed because a profile with the same name already exists.

**Programmer Response:** Either:

- Enter an IMPORT or DEFINE command for the data set with a different cluster/alternate index, data, or index name
- Have the owner of the profile with the name you wish to use delete that profile and associated data, if any.

#### RETURN CODE 116

**Explanation:** A catalog record has been damaged, or contains inconsistent data.

<b>Reason Code</b>	<b>Description</b>
24	<b>Explanation:</b> An incorrect association was returned during upgrade retrieval.
	<b>Programmer Response:</b> An IDCAMS DIAGNOSE should be run against the catalog and any errors identified corrected.

**Explanation:** The data set name is ineligible for RACF definition.

## 0

**Explanation:** As the result of a DEFINE, IMPORT, or IMPORTRA command, VSAM attempted to define a RACF profile for the object. The profile could not be established because the user does not have sufficient authority for the specified data set characteristics.

**Programmer Response:** Check the installation security subsystem guidelines for defining a data set in the security subsystem. Modify the data set characteristics accordingly.

12

**Explanation:** As a result of a DEFINE, IMPORT or IMPORTRA command, VSAM attempted to define a RACF profile for the object. RACF was incapable of building the profile.

**Programmer Response:** RACF was inactive and could not process the profile build request. To activate RACF, contact the system security administrator.

**Explanation:** Attempt to modify the non-existent or system field. This is a system error.

## 0

**Programmer Response:** Contact the IBM Support Center.

2

**Explanation:** The storage management subsystem field in the BCS is inconsistent with that field in the VVDS entries.

**Explanation:**  
Incorrect  
control  
interval  
number.

## 2

**Explanation:** An incorrect relative block address (RBA) return code was returned from VSAM record management.

**Programmer Response:** This is a system error indicating that the catalog may need to be restored. Use of the access method services list catalog (LISTCAT) or DIAGNOSE commands may help identify the incorrect entry. It may be necessary to contact the IBM Support Center.

**Explanation:** DASDCALC returns either an incorrect physical block size or an incorrect index into the physical block size table.

**Programmer Response:** The possible cause of this error is a CI size that is not compatible with the physical device. Correct the CI size and rerun the job.

**Explanation:** VSAM record management has returned an invalid CI error on an access to a catalog record. This error generally occurs because an invalid CIDF or RDF is detected within a catalog CI. One possible cause is damage as a result of a hardware failure. An IEC331I message will be issued and the SFI information will contain additional information about the VSAM error.

**Programmer Response:** Run an access method services DIAGNOSE command, and EXAMINE DATATEST against the catalog. The catalog may need to be recovered.

**Explanation:** Alter new name of a GDS, non-VSAM or cluster failed because an ACS service returns a non-zero return code.

ACS reason  
code =  
catalog  
reason code  
+ 1000

**Explanation:** Catalog management can only support ACS services reason codes from 1000 to 1255. The ACS services return and reason codes are documented in the *z/OS DFSMSdfp Diagnosis Reference*.

**Programmer Response:** For the ACS reason code referenced in the appropriate SMS SUB-System Message Manual. Refer to the Storage Management Subsystem Reason Codes, Sub-Sections Subsystem Interface Reason Codes and ACS Service Reason Codes in the *z/OS DFSMSdfp Diagnosis Reference* for a complete description of the reason codes.

#### RETURN CODE 128

**Explanation:** A user-provided storage is outside the user region. Probable system error.

#### **Reason Code**

**0**

#### **Description**

**Explanation:** An integrity check of the user catalog parameter list (CPL), the FPL, or the FVT, failed.

**Programmer Response:** Contact the IBM Support Center unless a user-written program is interfacing directly with catalog management.

**2**

**Explanation:** A storage validity check failed on a user FPL or on the user work area referenced from the CPL.

**Programmer Response:** Contact the IBM Support Center unless a user-written program is interfacing directly with catalog management.

**6**

**Explanation:** A CPL field that references the work area is zero.

**Programmer Response:** Contact the IBM Support Center unless a user-written program is interfacing directly with catalog management.

#### RETURN CODE 130

**Explanation:** An ALTER RENAME recatalog error.

#### **Reason Code**

**4**

#### **Description**

**Explanation:** Only the old name catalog entry remains to be deleted, but the VTOC still has the DSCB with the old name.

**6**

**Explanation:** Only the old name catalog entry remains to be deleted, but the VVDS still has the NVR with the old name.

**8**

**Explanation:** The DSCB has been renamed, but no DSCB with either the old name or the new name can be found.

#### **Reason Code**

**10**

#### **Description**

**Explanation:** The data set DSCB cannot be located.

**12**

**Explanation:** The NVR has been renamed, but the NVR with the new name cannot be located.

**14**

**Explanation:** There should be an NVR with the old name, but that NVR cannot be located.

**16**

**Explanation:** The DSCB has been renamed without error, but the NVR cannot be renamed because there is already an NVR with that name.

#### RETURN CODE 132

**Explanation:** Incorrect pointer value in argument list. Probable system error.

#### **Reason Code**

**x**

#### **Description**

**Explanation:** An expected field value was not supplied or an internal logic error occurred. This is probably a logic error in the caller of catalog management.

**0**

**Programmer Response:** Contact the IBM Support Center.

**Explanation:** Expected component not found.

**20**

**Explanation:** There is no pointer to the catalog work area in the catalog parameter list, and the DEFINE function is unable to return the names generated for a component.

**48**

**Programmer Response:** Contact the IBM Support Center unless a user-written program is interfacing directly with catalog management.

**Explanation:** The AMDSB information has not been found in the VVR, or VSAM CLOSE passed invalid AMDSB data to update the VVR. In the latter case, message IEC251I will be issued. not found.

**122**

**Programmer Response:** Run the DIAGNOSE command to check for a damaged catalog record. Contact the IBM Support center if message IEC251I was issued.

**Explanation:** Define master catalog or user catalog with extended format information or attributes extension information is not valid.

Reason Code	Description
: 124	<b>Explanation:</b> Backout while open specification not valid for non-VSAM data set.
: 126	<b>Explanation:</b> Backout while open specification not valid for ALTER of non-SMS data set.
: 128	<b>Explanation:</b> An internal logic error has occurred.
:	<b>Programmer Response:</b> Contact the IBM Support Center.
: 130	<b>Explanation:</b> An internal logic error has occurred.
:	<b>Programmer Response:</b> Contact the IBM Support Center.
: 132	<b>Explanation:</b> Record Level Sharing attributes not valid for non-VSAM data set.
: 134	<b>Explanation:</b> Record Level Sharing attributes not valid for non-SMS data set.

#### RETURN CODE 136

**Explanation:** Required parameters not supplied. Probable system error.

Reason Code	Description
: x	<b>Explanation:</b> An internal logic error has occurred.
:	<b>Programmer Response:</b> Contact the IBM Support Center.
: 22	<b>Explanation:</b> A unique data set needs a DD statement for a rename, or the DD statement is missing.
:	<b>Programmer Response:</b> Supply a dname job control statement.
: 32	<b>Explanation:</b> An alias name was not provided on a DEFINE command.
:	<b>Programmer Response:</b> Correct the DEFINE command. Run the job again.
: 34	<b>Explanation:</b> GDG limit or attribute data were not provided on a DEFINE command.
:	<b>Programmer Response:</b> Correct the DEFINE command. Run the job again.

Reason Code	Description
40	<b>Explanation:</b> A required DD statement is missing for a mountable unit. The system is unable to mount the volume required for DELETE NONVSAM SCRATCH processing.
:	<b>Programmer Response:</b> Use file parameter on DELETE and allocate a mountable unit to the job through a DD statement. Specify DEFER mount.
42	<b>Explanation:</b> An error occurred from IDA0192V while attempting to mount a volume required for DELETE NONVSAM SCRATCH processing.
:	<b>Programmer Response:</b> Ensure that the mountable unit was allocated for DELETE processing.
46	<b>Explanation:</b> No storage class information was passed for an SMS managed data set.

#### RETURN CODE 138

**Explanation:** DADSM RENAME error.

Reason Code	Description
x	<b>Explanation:</b> Volume status code from DADSM.

#### RETURN CODE 140

**Explanation:** Inconsistent or conflicting arguments were provided.

Reason Code	Description
2	<b>Explanation:</b> The index component was found for relative record data set or entry-sequenced data set. This is a system error.
:	<b>Programmer Response:</b> If the reason code indicates a system error, contact the IBM Support Center. Otherwise, follow the programmer response indicated by the reason code.



Reason Code	Description	Reason Code	Description
4	<p><b>Explanation:</b> The key range is incorrect for catalog define, or the key ranges are not specified in ascending sequence in the DEFINE of a VSAM key sequenced data set.</p> <p><b>Programmer Response:</b> Correct the DEFINE command.</p>	34	<p><b>Explanation:</b> An incorrect space request type on DEFINE was detected. This is a system error.</p> <p><b>Programmer Response:</b> If the reason code indicates a system error, contact the IBM Support Center. Otherwise, follow the programmer response indicated by the reason code.</p>
6	<p><b>Explanation:</b> Key ranges were found on both data and cluster catalog FVT. This is a system error.</p> <p><b>Programmer Response:</b> If the reason code indicates a system error, contact the IBM Support Center. Otherwise, follow the programmer response indicated by the reason code.</p>	44	<p><b>Explanation:</b> A relative-record data set has a maximum record length that is not equal to the average record length.</p> <p><b>Programmer Response:</b> Correct the input. Run the job again.</p>
8	<p><b>Explanation:</b> The work area is too small. This is a system error.</p> <p><b>Programmer Response:</b> If the reason code indicates a system error, contact the IBM Support Center. Otherwise, follow the programmer response indicated by the reason code.</p>	60	<p><b>Explanation:</b> The logical record size for an ICF catalog has been exceeded. The DEFINE ALIAS has caused the updated catalog record to exceed the catalog's logical record size.</p> <p><b>Programmer Response:</b> Redefine the catalog record size to increase the logical record size to a value up to the 32,400 byte maximum. Run the DEFINE of the alias again.</p>
10	<p><b>Explanation:</b> Space parameters were found on both cluster and data catalog FVT. This is a system error.</p> <p><b>Programmer Response:</b> If the reason code indicates a system error, contact the IBM Support Center. Otherwise, follow the programmer response indicated by the reason code.</p>	62	<p><b>Explanation:</b> The maximum average logical record size is less than 4086 bytes for an ICF catalog define.</p> <p><b>Programmer Response:</b> Increase the maximum average logical record size. Run the DEFINE command again.</p>
20	<p><b>Explanation:</b> The key lengths for data and index are not equal. This is a system error.</p> <p><b>Programmer Response:</b> If the reason code indicates a system error, contact the IBM Support Center. Otherwise, follow the programmer response indicated by the reason code.</p>	64	<p><b>Explanation:</b> An incorrect group code for field management was detected.</p> <p><b>Programmer Response:</b> This is a system programming error.</p>
28	<p><b>Explanation:</b> There are an unequal number of volume serial numbers and file sequence numbers in list entries.</p> <p><b>Programmer Response:</b> Correct the input. Run the job again.</p>	66	<p><b>Explanation:</b> The component key length exceeds the limit.</p> <p><b>Programmer Response:</b> Run the DIAGNOSE command to check for a damaged catalog record.</p>
30	<p><b>Explanation:</b> More device type entries exist than volume serial numbers.</p> <p><b>Programmer Response:</b> Correct the input. Run the job again.</p>	72	<p><b>Explanation:</b> Duplicate volumes exist in the volume list of a non-keyrange data set.</p> <p><b>Programmer Response:</b> For a DEFINE, remove the duplicate volume from the volume list and rerun the DEFINE. For an ALTER ADDVOLUMES, a volume being added might already exist as a primary or candidate volume for the data set; therefore, remove the volume from the ADDVOLUMES list and rerun the ALTER.</p>

Reason Code	Description
74	<p><b>Explanation:</b> The define of a VVDS had the INDEX option specified. A VVDS is an entry sequenced data set.</p> <p><b>Programmer Response:</b> Remove the INDEX option. Run the define operation again.</p>
78	<p><b>Explanation:</b> The request to field management was not valid.</p> <p><b>Programmer Response:</b> Check the CPL for calling field management.</p>
80	<p><b>Explanation:</b> The size of the generation data set subrecord exceeds the maximum spanned record size of the ICF catalog.</p> <p><b>Programmer Response:</b></p> <p>Do one of the following:</p> <ul style="list-style-type: none"> <li>• Reduce the size of the generation data set by removing unused volume serial numbers.</li> <li>• Define a new ICF catalog with a larger maximum spanned record size. The default is 32,400 bytes.</li> </ul>
82	<p><b>Explanation:</b> Key ranges are not allowed on a DEFINE of an ICF catalog.</p> <p><b>Programmer Response:</b> Remove the KEYRANGES parameter. Run the DEFINE command again.</p>
84	<p><b>Explanation:</b> The REUSE parameter was specified with UNIQUE or KEY ranges.</p> <p><b>Programmer Response:</b> Remove one of the conflicting parameters. Run the DEFINE command again.</p>
90	<p><b>Explanation:</b> More than one volume serial number is specified for the DEFINE request of a non-VSAM data set, and one of the volume serial numbers is *****.</p> <p><b>Programmer Response:</b> If the indirect volser feature (a non-VSAM data set defined with a volser of *****) is wanted, remove the other volsers from the DEFINE request.</p>
92	<p><b>Explanation:</b> A format 2 work area is incorrect for this catalog request.</p> <p><b>Programmer Response:</b> Run the job again with a format 1 work area.</p>
94	<p><b>Explanation:</b> DEFINE NONVSAM no BCS for a non-SMS managed data set cannot be requested.</p>

Reason Code	Description
96	<p><b>Explanation:</b> DEFINE NONVSAM no NVR for a non-SMS managed data set cannot be requested.</p>
98	<p><b>Explanation:</b> The new record length will exceed the maximum VVR or NVR size.</p>
100	<p><b>Explanation:</b> The number of volumes passed exceeds the number of UCB addresses.</p>
102	<p><b>Explanation:</b> The Volser in the UCB does not match the volser in the volume list.</p>
104	<p><b>Explanation:</b> An incorrect number of device types were passed for the ALTER non-specific volume request.</p>
106	<p><b>Explanation:</b> An incorrect number of volumes were passed for the ALTER non-specific volume request.</p>
110	<p><b>Explanation:</b> A 31-bit overflow occurred while calculating the required space allocation with the values specified in the RECORDS parameter.</p> <p><b>Programmer Response:</b> Define the data set with a smaller space allocation request.</p>
112	<p><b>Explanation:</b> An incorrect high-allocated RBA was found during a define of a data component. The high-allocated RBA was less than the high-used RBA.</p> <p><b>Programmer Response:</b> Reduce the amount of space specified for the data component of the cluster. Enter the DEFINE command again.</p>
116	<p><b>Explanation:</b> A request was made to compress a data set that is not an Extended Format data set.</p>
120	<p><b>Programmer Response:</b> Contact the IBM Support Center.</p> <p><b>Explanation:</b> Compressible request is allowed for KSDS data set only.</p>
122	<p><b>Programmer Response:</b> Change the job to define the data set as a non-compressible data set.</p> <p><b>Explanation:</b> Catalog G1000Vxx will cause the GDG to exceed the limit of 10,999.</p>
124	<p><b>Programmer Response:</b> Clean up the GDG in error then catalog G1000Vxx.</p> <p><b>Explanation:</b> Invalid data set type for extended addressability.</p> <p><b>Programmer Response:</b> Clean up the GDG in error then catalog G1000Vxx.</p>

#### RETURN CODE 142

**Explanation:**DADSM OBTAIN error.

Reason Code	Description
x	<b>Explanation:</b> Return code from OBTAIN.

#### RETURN CODE 144

**Explanation:** An incorrect entry name format or the name has an initial character as a numeric.

Reason Code	Description
2	<b>Explanation:</b> An incorrect first character, non-alphabetic, was detected. The alternate index or path name is incorrect.  <b>Programmer Response:</b> Correct the entry name.
6	<b>Explanation:</b> The data and index names are not allowed for a catalog.  <b>Programmer Response:</b> Avoid the use of names at the INDEX and DATA level of DEFINE MASTERCATALOG and DEFINE USERCATALOG.
8	<b>Explanation:</b> A syntax error was encountered in examining a GDG name.  <b>Programmer Response:</b> Correct the name. Run the job again.
: 10	<b>Explanation:</b> A reserved high-level qualifier name was specified on an ICF define operation. CATINDEX is a reserved high-level qualifier.
: : : :	<b>Programmer Response:</b> Change the name to use a different high-level qualifier. Run the define operation again.
: : :	<b>Explanation:</b> The data name specified for an SMS VSAM data set does not orient to the same user catalog that the cluster did.
12	
16	<b>Explanation:</b> The index name does not resolve to the same catalog as the cluster name did.

#### RETURN CODE 150

**Explanation:** Name length error for an SMS construct.

Reason Code	Description
2	<b>Explanation:</b> An incorrect storage class name length was detected.
4	<b>Explanation:</b> An incorrect data class name length was detected.
6	<b>Explanation:</b> An incorrect management class name length was detected.

#### RETURN CODE 152

**Explanation:** A non-empty catalog cannot be deleted.

Reason Code	Description
0	<b>Programmer Response:</b> If the catalog and all of its entries are to be deleted specify the FORCE parameter on the access method services DELETE CATALOG command.

#### RETURN CODE 164

**Explanation:** Insufficient storage is available for a work area. This condition arises when there is insufficient virtual storage available for catalog management.

Reason Code	Description
2	<b>Explanation:</b> A GETMAIN failure occurred. There is insufficient virtual storage available.  <b>Programmer Response:</b> Increase the region size available to the step.
10	<b>Explanation:</b> A GETMAIN failure occurred. There is insufficient virtual storage available for the catalog communication area.  <b>Programmer Response:</b> Increase the region size available to the step.

#### RETURN CODE 168

**Explanation:** Unsupported device type.

**Reason  
Code**

**2**

**Description**

**Explanation:** One of the following has occurred:

1. An access method services DEFINE or IMPORT command specifies a device type that was not system generated into the system, or is not acceptable for a catalog or data set.
2. The volume serial number specified is incorrect, or the volume serial number is missing.

**Programmer Response:** Specify a device type or device name that is acceptable to the system.

**4**

**Explanation:** An incorrect device name was specified on a define of a non-VSAM entry.

**Programmer Response:** Specify a device type or device name that is acceptable to the system.

: **RETURN CODE 172**

: **Explanation:** A duplicate data set name was detected  
: on a volume during a DEFINE or ALTER NEWNAME, or  
: a DADSM error occurred during an ALTER NEWNAME.

**Reason  
Code**

: **x**

**Description**

**Explanation:** The return code from a failed DADSM RENAME.

: **2**

**Explanation:** A duplicate name was detected on a volume during a define of a data set.

**Programmer Response:** Select another data set name, scratch the original data set from the volume, or ensure that there are as many volumes as key ranges for the define of a unique key sequenced data set (KSDS).

**RETURN CODE 176**

**Explanation:** There is no space in the VTOC for a DSCB. During the definition or extension of a data space, an attempt was made to perform a DADSM allocate or extend function on a volume in which a new DSCB was to have been written, but there is no space in the VTOC for an additional DSCB.

**Reason  
Code**

: **0**

**Description**

**Programmer Response:** Delete any unneeded data sets from the volume, in order to make additional DSCBs available, or recreate the volume with a larger VTOC.

**RETURN CODE 178**

**Explanation:** An error occurred during ICF catalog processing of a VSAM partial release request.

**Reason  
Code**

**2**

**Description**

**Explanation:** The open-for-output indicator was found on in the catalog while a partial release request was being processed. Partial release processing cannot occur if there are other users opened to the data set.

**Programmer Response:** Run an IDCAMS verify against the data set to reset the open-for-output indicator and re-run the partial release request.

**4**

**Explanation:** The data set is not an extended format VSAM cluster. Partial release processing is supported only for extended format VSAM clusters.

**6**

**Explanation:** The data set name passed to a VSAM partial release request was not a VSAM cluster data component.

**Programmer Response:** Ensure the name being passed is the VSAM cluster data component and re-run the partial release request.

**8**

**Explanation:** A DADSM partial release request failed.

**Programmer Response:** Examine the job and system log for related messages explaining the DADSM failure.

**10**

**Explanation:** An attempt was made to perform partial release processing against a data set defined with guaranteed space. Guaranteed space data sets are not supported for partial release processing.

**RETURN CODE 182**

**Explanation:** Bad DADSM UPDATE parameter list.

Reason Code	Description
: x	<b>Explanation:</b> Internal logic error.
:	
:	<b>Programmer Response:</b> Contact the IBM Support center.

#### RETURN CODE 184

**Explanation:** The data set is currently open and cannot be deleted or altered. This condition arises when two different jobs are referencing the same VSAM data set simultaneously, or an attempt was made to delete a pagespace while there was an active pagespace on the same volume.

Reason Code	Description
0	<b>Explanation:</b> A rename is not allowed for an open data set. The backout has been done successfully.
2	<b>Explanation:</b> The data set is currently open to another user.
4	<b>Explanation:</b> The data or index component (or both) is in use, and the data set cannot be deleted.  <b>Programmer Response:</b> Run the command again. To ensure proper completion, specify a disposition parameter of OLD, not SHR.
6	<b>Explanation:</b> The attempted DELETE or ALTER of a PAGESPACE, or attempted DELETE CATALOG FORCE that implicitly deletes a PAGESPACE, cannot be allowed. UCB indicates the possibility of an active PAGESPACE on the volume.  <b>Programmer Response:</b> If a PAGESPACE is to be deleted or altered, it must not be known at IPL as an eligible PAGESPACE, or the volume must not be online at IPL.
: 8	<b>Explanation:</b> The data set is in use by another job; this reason code usually means that a Backup-While-Open (BWO) dump of the data set is in progress.
:	
:	<b>Programmer Response:</b> Run the requested function again after verifying the data set is not currently being dumped.
:	
:	

#### RETURN CODE 186

**Explanation:** Error attempting to lock a catalog or access a locked catalog.

Reason Code	Description
0	<b>Explanation:</b> Lock verification failed.  <b>Programmer Response:</b> An unauthorized caller attempted to access a locked catalog. To access a locked catalog, a user must have read authority to the profile IGG.CATLOCK of class type FACILITY. Obtain the correct authorization. Run the job again.
2	<b>Explanation:</b> Access was denied for one of the following reasons: <ul style="list-style-type: none"> <li>• No profile IGG.CATLOCK of class type FACILITY was found</li> <li>• RACF, or an equivalent product, was not active</li> <li>• No MVS router exit was found</li> </ul> <b>Programmer Response:</b> Either define the profile IGG.CATLOCK, activate RACF, or supply an MVS router exit.
4	<b>Explanation:</b> The caller was not authorized for DEFINE LOCK.  <b>Programmer Response:</b> To use the DEFINE LOCK command, a caller must have read authority to the profile IGG.CATLOCK of class type FACILITY. Obtain the correct authorization. Run the job again.
6	<b>Explanation:</b> The caller was not authorized for ALTER LOCK.  <b>Programmer Response:</b> A caller attempted to issue either the ALTER LOCK command for an unlocked catalog, or the ALTER UNLOCK command for a locked catalog for which the caller was unauthorized. To use the ALTER LOCK and ALTER UNLOCK commands, a caller must have read authority to the profile IGG.CATLOCK of class type FACILITY. Obtain the correct authorization. Run the job again.

#### RETURN CODE 188

**Explanation:** As a catalog management return code:



Reason Code	Description
2	<p><b>Explanation:</b> A required JOBCAT or STEPCAT is not available for processing of a catalog request. The system ignores the request until the catalog is available.</p> <p><b>Programmer Response:</b> If this error causes a job to end, contact the IBM Support Center. Otherwise, it is only a means of communicating a condition within the system that is not an error.</p>
6	<p><b>Explanation:</b> The catalog is temporarily unavailable.</p> <p><b>Programmer Response:</b> Try the request again at a later time. If a COPY or IMPORT operation has failed, do a DELETE RECOVERY and import a backup copy of the catalog.</p> <p><i>As a volume error code:</i> Catalog unavailable for the remainder of processing which establishes volumes as candidates for future extension. This occurs during define of VSAM data sets only when another error is encountered during candidate processing. This code appears as a volume error code for the volumes that are not processed due to the other error code which will appear in the access method services jobstream output.</p>

#### RETURN CODE 190

**Explanation:** Authorization error on a facility class function applied to SMS data sets.

Reason Code	Description
0	<b>Explanation:</b> The function was ALTER BCS only.
2	<b>Explanation:</b> The function was DIRECTED CATALOG.
4	<b>Explanation:</b> The function was DEFINE NONVSAM with no BCS.
6	<b>Explanation:</b> The function was DEFINE NONVSAM with no NVR.
8	<b>Explanation:</b> The function was DELETE NVR with no BCS check.
10	<b>Explanation:</b> The function was DELETE NOSCRATCH.
12	<b>Explanation:</b> The function was DELETE GDG FORCE.

Reason Code	Description
14	<b>Explanation:</b> The function was ALTER UNCONVERT from SMS managed VSAM data set back to non-SMS managed.
16	<p><b>Explanation:</b> The user is not authorized to perform a ATLDs define, alter or delete request.</p> <p><b>Programmer Response:</b> Insure that the user has read access authority to 'STGADMIN.IGG.LIBRARY'.</p>

#### RETURN CODE 192

**Explanation:** Maximum logical record length specified is greater than 32,761 for a non-spanned data set.

Reason Code	Description
0	<b>Programmer Response:</b> Reduce the maximum logical record length or define the data set as spanned.

#### RETURN CODE 194

**Explanation:** An error occurred during multi-level alias (MLA) facility processing.

Reason Code	Description
8	<b>Explanation:</b> MLA was unavailable for the request.
10	<b>Explanation:</b> MLA detected a damaged master catalog record. A snap dump was taken to aid in resolution of the problem, and MLA facility in-storage tables were invalidated.
14	<b>Explanation:</b> MLA detected a damaged master catalog record. A snap dump was taken to aid in resolution of the problem, and MLA facility in-storage tables were invalidated.
18	<b>Explanation:</b> MLA detected a damaged master catalog record. A snap dump was taken to aid in resolution of the problem, and MLA facility in-storage tables were invalidated.
20	<b>Explanation:</b> MLA detected a damaged master catalog record. A snap dump was taken to aid in resolution of the problem, and MLA facility in-storage tables were invalidated.

Reason Code	Description
28	<b>Explanation:</b> An error occurred during a generic search of the alias table for the input data set name.
30	<b>Explanation:</b> MLA was unable to obtain sufficient memory to hold its in-storage tables.
34	<b>Explanation:</b> MLA was unable to obtain sufficient memory to rebuild its in-storage tables.
: 40	<b>Explanation:</b> The system number of qualification was not between 1 and 4.
:	The search order of the multi-level alias facility is undefined. All requests
:	requiring the multi-level alias facility will fail until the situation is rectified.
:	
:	<b>Programmer Response:</b> Use the MODIFY CATALOG,ALIASLEVEL operator command to send a valid level of qualification.
:	
42	<b>Explanation:</b> MLA detected a damaged master catalog record. A snap dump was taken to aid in resolution of the problem, and MLA facility in-storage tables were invalidated.
44	<b>Explanation:</b> MLA detected a damaged master catalog record. A snap dump was taken to aid in resolution of the problem, and MLA facility in-storage tables were invalidated.
46	<b>Explanation:</b> An error occurred during a generic search of the alias table for the input data set name.
50	<b>Explanation:</b> The MLA tables are incorrect. The generic request cannot be fulfilled.

#### RETURN CODE 196

**Explanation:** The data component control interval size specified is greater than 32,767.

Reason Code	Description
0	<b>Programmer Response:</b> Reduce the control interval size of the data component.

#### RETURN CODE 198

**Explanation:** An attempt has been made to use an unsupported feature.

Reason Code	Description
6	<b>Explanation:</b> Invalid use of JOBCAT or STEPCAT. The catalog pointed to by the JOBCAT/STPCAT resides on a device that has a UCB defined above 16MB.

#### RETURN CODE 200

**Explanation:** The specified or defaulted control interval size of the index component is greater than the maximum block size of the index device.

Reason Code	Description
0	<b>Programmer Response:</b> Reduce the control interval size of the index component or use a different device with a larger maximum block size.

#### RETURN CODE 202

**Explanation:** Storage management subsystem call error.

Reason Code	Description
0	<b>Explanation:</b> An error was detected during a call to SMS.  <b>Programmer Response:</b> Print the OBR record to get the appropriate error messages.
2	<b>Explanation:</b> An error was detected during a call to determine whether all volumes belong to the same storage group.
4	<b>Explanation:</b> An incorrect definition was passed to the SMS.
6	<b>Explanation:</b> Insufficient space was provided for that definition to the SMS subsystem.
8	<b>Explanation:</b> An attempt was made to alter the expiration date of an SMS-managed data set that was defined with a management class whose maximum number of retention days was specified as zero.

**Programmer Response:** Redefine the data set with a management class with no retention limit or with a specified retention value equal to or exceeding the date specified in the ALTER command.

## **RETURN CODE 204**

**Explanation:** Key specification extends beyond end of maximum logical record.

### **Reason**

#### **Code**

#### **Description**

**0**

**Programmer Response:** Reduce the key length, change the key position, or increase the logical record length.

## **RETURN CODE 208**

**Explanation:** The buffer space specified is too small. The buffer size specified is too small to contain the minimum number of control intervals for the type of VSAM data set being defined or altered. An indexed data set requires enough virtual storage for 2 data component control intervals, plus 1 for an index component control interval. A non-indexed data set requires 2 for the data component.

### **Reason**

#### **Code**

#### **Description**

**0**

**Programmer Response:** Increase the buffer size specified through the BUFFERSPACE parameter of the DEFINE command.

**4**

**Programmer Response:** Increase the buffer size specified through the BUFFERSPACE parameter of the ALTER command.

## **RETURN CODE 210**

**Explanation:** Subsystem call error.

### **Reason**

#### **Code**

#### **Description**

**x**

**Explanation:** Return code from Subsystem call.

## **RETURN CODE 212**

**Explanation:** Control interval size calculation unsolvable. This condition arises should catalog management be unable to compute an acceptable control interval size value. This condition only occurs in the DEFINE and IMPORT commands.

### **Reason Code**

**0**

#### **Description**

**Explanation:** The control interval and the control area calculations are unsolvable with specified parameters.

**Programmer Response:** Determine which of the specifications may have caused the problem.

The following are the possible specifications:

- Buffer size
- Control interval size
- Device type
- Logical record size

**4**

**Explanation:** Specified and default values result in only one control interval per control area for a key-sequenced data set.

**Programmer Response:** Correct the input. Run the job again.

**6**

**Explanation:** Using the specified or default values, the maximum index control interval size for the device would be exceeded for nonunique objects.

**Programmer Response:** Increase the data control interval size or decrease the data control area size.

**8**

**Explanation:** Using the specified or default values, the maximum index control interval size for the device would be exceeded for unique objects.

**Programmer Response:** Increase the data control interval size or decrease the data control area size.

**10**

**Explanation:** The buffer space is too small for a nonunique object.

**Programmer Response:** Correct the buffer size. Run the job again.

**12**

**Explanation:** The specified and default value result in only one control interval per control area for a variable relative-record data set.

## **RETURN CODE 214**

**Explanation:** Subsystem call error.

### **Reason**

#### **Code**

**x**

#### **Description**

**Explanation:** Return code from Subsystem call.

## RETURN CODE 222

**Explanation:** Alter new name of a GDS, non-VSAM or cluster failed because an ACS service returns a non-zero return code.

Reason Code	Description
ACS reason code = catalog reason code + decimal 256	<b>Explanation:</b> Adding decimal 256 to the catalog reason code will give the correct ASC reason code. The ACS services return and reason codes are documented in the <i>z/OS DFSMSdfp Diagnosis Reference</i>

**Programmer Response** To ACS reason code add decimal 256 to obtain the correct error code for reference in the appropriate SMS SUB-System Message Manual. Refer to the Storage Management Subsystem Reason Codes, Sub-Sections Subsystem Interface Reason Codes and ACS Service Reason Codes in the *z/OS DFSMSdfp Diagnosis Reference &* for a complete description of the reason codes.

## RETURN CODE 224

**Explanation:** A field in a catalog entry has exceeded the maximum allowable number of repetitions. This condition arises when one of the repeating fields within the catalog entry is to be extended, and the extension is not possible. For example, should more than 255 volume serials be attempted to be placed in the entry, as might happen when an ALTER command attempts, through the ADDVOLUMES parameter, to add more candidate volumes to the entry.

Reason Code	Description
0	<b>Explanation:</b> The maximum number of volume extent (group occurrence) pointers have been processed.  <b>Programmer Response:</b> Determine why the excessive values are being supplied.
2	<b>Explanation:</b> More than 255 volume extent (group occurrence) pointers exist in a record, or more than 125 alternate indexes exist in the upgrade set.  <b>System Action:</b> The additional values are not added to the entry.  <b>Programmer Response:</b> Determine why the excessive values are being supplied.

## RETURN CODE 226

**Explanation:** Test authorization macro failed. The caller is not authorized to perform the requested function.

Reason Code	Description
4	<b>Explanation:</b> To OPEN a catalog, the caller must be running in key 0 - 7, must be in supervisor state, or must be APF authorized.  To do CLOSE or EOVS processing for a catalog the caller must be running in key 0 - 7, must be in supervisor state, or must be APF authorized.  To process the CONVERTV function, the caller must be APF authorized.  Scheduler type superlocate (non-generic) is restricted. To issue LOCATE SVC, the caller must be running in key 0 - 7, must be in supervisor state, or must be APF authorized.  <b>Programmer Response:</b> Respond to the particular error accordingly. If there is no fix for the problem, contact the IBM Support Center.

## RETURN CODE 228

**Explanation:** An error occurred while processing an Enhanced Catalog Sharing request. The following reasons may be corrected by the installation. Codes not shown indicate an internal system error.

Reason Code	Description
x	An internal logic error has occurred.
2	<b>Programmer Response:</b> Contact the IBM Support Center.
3	ECS workarea storage is not available.
4	Coupling Facility connection error. If received with message IEC377I, fields <i>aaaa</i> and <i>bbbb</i> contain the return and reason codes from IXLCONN.
9	An ECS request was made but the system is not ECS-active.
	Coupling Facility disconnection error. If received with message IEC377I, fields <i>aaaa</i> and <i>bbbb</i> contain the return and reason codes from IXLDISC.

Reason Code	Description
13	ECS activation was requested for a catalog with the NOECSHARING attribute.
26	Returned on a non-ECS system when an attempt is made to access a catalog that is ECS-active on another system.
28	Catalog is temporarily in use by a non-ECS system.
29	ECS-activation of a catalog is requested but the catalog does not have cross-system share options or is not on a shared volume.
: 47	A Coupling Facility error has occurred.
:	
:	<b>Programmer Response:</b> Consult the Coupling Facility messages that appear in the system log and correct the associated problem. Then reactivate ECS.
:	
: 48	An attempt was made to add a catalog to the Coupling Facility structure for Enhanced Catalog Sharing use, but the structure is full.
:	
:	
:	<b>Programmer Response:</b> Increase the size of the ECS structure definition in the CFRM policy.

#### **RETURN CODE 232**

**Explanation:** An error was encountered while Catalog Management was performing system management facility (SMF) processing.

Reason Code	Description
x	<b>Explanation:</b> The reason code represents the catalog management return code encountered while performing SMF processing. The catalog management return codes correspond to the return codes listed for this message.
	<b>Programmer Response:</b> Examine the reason code returned. Run the job again after performing the required corrective measures.

#### **RETURN CODE 238**

**Explanation:** No user catalog entry in the master catalog for Convert Volume processing.

Reason Code	Description
0	<b>Programmer Response:</b> Use the access method services IMPORT CONNECT command to put an entry for the user catalog into the master catalog.

#### **RETURN CODE 240**

**Explanation:** Required DD statement not supplied.

Reason Code	Description
0	<b>Explanation:</b> An ALTER of expiration date was specified, but no DD statement was supplied.
4	<b>Explanation:</b> The DEVTYPE function failed during DEFINE processing.
	<b>Programmer Response:</b> Provide the required parameter, ensure that the DD statement name is correctly spelled, or that the DD statement is present for the step. Also, ensure that the volumes can be allocated by dynamic allocation. If these are correct, contact the IBM Support Center.
8	<b>Explanation:</b> An incorrect device type was encountered during DEFINE processing.
	<b>Programmer Response:</b> Provide the required parameter, ensure that the DD statement name is correctly spelled, or that the DD statement is present for the step. Also, ensure that the volumes can be allocated by dynamic allocation. If these are correct, contact the IBM Support Center.
14	<b>Explanation:</b> A delete of a unique object was specified, but no DD statement was supplied.
	<b>Programmer Response:</b> Provide the required parameter, ensure that the DD statement name is correctly spelled, or that the DD statement is present for the step. Also, ensure that the volumes can be allocated by dynamic allocation. If these are correct, contact the IBM Support Center.



Reason Code	Description
16	<p><b>Explanation:</b> A delete of a non-VSAM object with the scratch option was specified, but no DD statement was supplied.</p> <p><b>Programmer Response:</b> Provide the required parameter, ensure that the DD statement name is correctly spelled, or that the DD statement is present for the step. Also, ensure that the volumes can be allocated by dynamic allocation. If these are correct, contact the IBM Support Center.</p>
18	<p><b>Explanation:</b> A delete of a VSAM object with the erase option was specified, but no DD statement was supplied.</p> <p><b>Programmer Response:</b> Provide the required parameter, ensure that the DD statement name is correctly spelled, or that the DD statement is present for the step. Also, ensure that the volumes can be allocated by dynamic allocation. If these are correct, contact the IBM Support Center.</p>
22	<p><b>Explanation:</b> There was no DDname match found in the TIOT.</p> <p><b>Programmer Response:</b> Provide the required parameter, ensure that the DD statement name is correctly spelled, or that the DD statement is present for the step. Also, ensure that the volumes can be allocated by dynamic allocation. If these are correct, contact the IBM Support Center.</p>
34	<p><b>Explanation:</b> The system was unable to determine the DD statement name for a CRA.</p> <p><b>Programmer Response:</b> Provide the required parameter, ensure that the DD statement name is correctly spelled, or that the DD statement is present for the step. Also, ensure that the volumes can be allocated by dynamic allocation. If these are correct, contact the IBM Support Center.</p>

Reason Code	Description
36	<p><b>Explanation:</b> Either a required DD statement is missing or, if the user is dynamically allocating the data set, the limit to the number of data sets that can be dynamically allocated has been exceeded.</p> <p><b>Programmer Response:</b> Provide the required parameter, ensure that the DD statement name is correctly spelled, or that the DD statement is present for the step. Also, ensure that the volumes can be allocated by dynamic allocation. Check the DYNAMNBR parameter in the user's LOGON procedure to determine if the limit on the number of data sets that can be dynamically allocated was exceeded. If these are correct, contact the IBM Support Center.</p>

#### RETURN CODE 242

**Explanation:** A physical I/O error occurred trying to erase the data set being deleted.

Reason Code	Description
x	<p><b>Explanation:</b> The reason codes correspond to the VSAM Record Management error codes.</p> <p><b>Programmer Response:</b> Run the job again with the NOERASE option. The data set cannot be deleted.</p>

#### RETURN CODE 244

**Explanation:** Erase action failed. This condition arises when Catalog Management is unable to open the VSAM data set being deleted.

## IDC3010I • IDC3012I

### Reason Code

x

#### Description

**Explanation:** The reason codes correspond to the VSAM OPEN error codes. The system write message IEC161I with this message.

**System Action:** The system voids the delete action on that data set.

**Programmer Response:** Determine why the erasure was impossible. Alternatively, run the DELETE command again with the NOERASE option.

### RETURN CODE 246

**Explanation:** An internal error has occurred while processing a catalog request.

### Reason Code

x

#### Description

**Explanation:** An internal error has occurred.

**System Action:** An SVC dump may be produced for the error, depending on the reason code. Processing of the catalog request is terminated.

**Programmer Response:** Determine if an SVC dump was created for this failure, and contact the IBM Support Center for assistance.

### RETURN CODE 250

**Explanation:** VSAM Record Management has found a logical error during erase processing while deleting a VSAM data set.

### Reason Code

x

#### Description

**Explanation:** The reason codes correspond to the VSAM record management logical error codes.

**System Action:** The system ignores the delete action on that data set. The system continues processing.

**Programmer Response:** The data set cannot be erased. Run the DELETE command again with the NOERASE option.

### RETURN CODE 254

**Explanation:** An error was encountered during catalog reorientation.

### Reason Code

2

#### Description

**Explanation:** The opening of a catalog failed during catalog reorientation.

4

**Explanation:** The allocation of a catalog unit failed.

---

### IDC3010I UNABLE TO OPEN *dsname*

**Explanation:** The *dsname* specified in the command indicated either concatenated catalogs or a different data set.

In the message text:

#### *dsname*

The data set name.

**System Action:** The command ends with a condition code of 12.

**Application Programmer Response:** Ensure that the *dsname* specified in the command does not identify a DD statement that defines concatenated catalogs, unless the desired catalog is the first in the concatenation. Ensure that the command and the JCL specify the same data set.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01, IDCB101, IDCCC01, IDCCN01, IDCDE01, IDCDE02, IDCDL01, IDCLC02, IDCMP01, IDCRC02, IDCRM01, IDCRS01, IDCRS06, IDCSA02, IDCXP01

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### IDC3012I ENTRY *entname* NOT FOUND

**Explanation:** The data set name supplied by the caller is not in the specified catalog. If a catalog was not specified, the entry name is the first-level qualifier of a qualified data set name and not the name of a user catalog or an alias of a user catalog, as expected. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

In the message text:

*entname*

The entry name.

**Application Programmer Response:** Verify that the entry name is spelled correctly. If a catalog was specified in the command or in a JOBCAT or STEPCAT statement, ensure that it is correct.

If no catalog was specified, ensure that the first-level qualifier of the data set name is the name of a user catalog or the alias of a user catalog.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01, IDCLC01, IDCMP01, IDCSA02, and IDCXP02 processing associated with the entry name.

---

### IDC3013I      DUPLICATE DATA SET NAME

**Explanation:** One of the following conditions has occurred:

- The data set name supplied by the caller already exists in the specified catalog.
- The data set name supplied by the caller already exists as the first-level qualifier of a data set name in the specified catalog.
- The first-level qualifier of the data set name supplied by the caller already exists as either a data set name or an alias name in the catalog.

See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** Verify that the entry name is spelled correctly. Check the use of the JOBCAT and STEPCAT catalogs, if employed. Ensure that the data set name or the first-level qualifier of the data set name specified is not the same as a data set name or the first-level qualifier of either a data set name or an alias name that already exists in the specified catalog.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

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### IDC3014I      CATALOG ERROR

**Explanation:** An error occurred during a catalog operation. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark

(?) after the TSO READY message.

**System Action:** The system ends processing associated with the catalog error.

**Application Programmer Response:** See the programmer response associated with the second-level message.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

---

### IDC3015I      \*\* VSAM CATALOG RETURN CODE IS *return-code* - REASON CODE IS *reason-code*

**Explanation:** System interface errors. Catalog management returned the return code and reason code indicating either a catalog error or exceptional condition.

In the message text:

*return-code*

The return code

*reason-code*

The reason code, which is one of the following:

Code	Explanation
004	Non existent catalog
122	Common filter service error
186	Catalog log related error
188	Catalog temporarily unavailable

**System Action:** Processing associated with the error return code is halted.

**Application Programmer Response:** Contact your programming support personnel.

**Source:** DFSMSdfp

**Detecting Module:** IDCLC01

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### IDC3016I      CATALOG IS NOT AVAILABLE

**Explanation:** A required catalog is unavailable to perform the specified command. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Ensure that the catalog specified by the command exists or determine why it cannot be accessed.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

**IDC3017I    INSUFFICIENT SPACE IN CATALOG**

**Explanation:** The catalog is full. There is no more space on the volume in which the catalog resides, or the maximum number of extents has been reached. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Scratch unneeded data sets from the volume. Delete unneeded VSAM data sets. See your system programmer for assistance in reorganizing the catalog.

**Source:** DFSMSDfp

**Detecting Module:** IDCTP06

**IDC3018I    SECURITY VERIFICATION FAILED**

**Explanation:** The number of attempts was exceeded by the operator, or the user-specified verification routine failed to authorize use of the data set or the caller's RACF authorization was inadequate. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Correct the password specified, obtain the required RACF authorization, or determine why the verification routine did not allow access.

**Source:** DFSMSDfp

**Detecting Module:** IDCTP06

**IDC3019I    INVALID ENTRY TYPE FOR REQUESTED ACTION**

**Explanation:** This condition arises if, for example, an attempt was made to DELETE an index component of a VSAM data set. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Ensure that the specified action is allowed for this entry type. The entry

type can be validated by the LISTCAT command.

**Source:** DFSMSDfp

**Detecting Module:** IDCTP06

**IDC3020I    UNABLE TO ALLOCATE SPACE ON USER VOLUME**

**Explanation:** A specified volume cannot accommodate either the initial allocation of space or a subsequent extension. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Scratch unneeded data sets from the volume, or run an ALTER command to add candidate volumes for the data set.

**Source:** DFSMSDfp

**Detecting Module:** IDCTP06

**IDC3021I    USER VOLUME NOT MOUNTED**

**Explanation:** An attempt to update the volume table of contents (VTOC) on a volume failed because the volume was not mounted. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Ensure that the volume is mounted.

**Source:** DFSMSDfp

**Detecting Module:** IDCTP06

**IDC3022I    INVALID RELATED OBJECT**

**Explanation:** The object specified in the RELATE parameter of a DEFINE command does not exist or is improper for the type of object being defined. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Correct the DEFINE command so that the entry named in the

RELATE parameter is correct.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

#### **IDC3023I UNEXPIRED PURGE DATE**

**Explanation:** An attempt to delete an entry failed because its expiration date has not been reached. The PURGE option was not specified. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Specify the PURGE option. Run the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

#### **IDC3024I VOLUME OWNED BY ANOTHER CATALOG**

**Explanation:** Only one catalog may own or allocate space upon a given volume. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Do one of the following:

- Specify an unowned volume. Run the command again.
- Use the ALTER REMOVEVOLUMES command to reset the volume ownership if a catalog does not own the volume.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

#### **IDC3025I INSUFFICIENT SUBALLOCATION DATA SPACE**

**Explanation:** A volume does not contain a data space with sufficient room for allocation of another virtual storage access method (VSAM) data set. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed,

except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Do one of the following:

- Use the DEFINE command to create additional data space.
- Delete unneeded VSAM data sets.
- Decrease the amount of storage required by the object being defined.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

#### **IDC3026I DUPLICATE DATA SPACE NAME ON VOLUME**

**Explanation:** A DEFINE operation specifies the name of a data set, with the UNIQUE attribute, but there is already a data set on the volume with the same name. This will also occur when attempting to define a key sequenced data set (KSDS), with the UNIQUE attribute, which has more than one key range on the same volume. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Choose another data set name. Scratch the original data set from the volume. If duplication is due to key ranges, ensure that each UNIQUE key range is on a separate volume.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

#### **IDC3027I NO SPACE IN VTOC OR VTOC INDEX**

**Explanation:** During the definition or extension of a data space, an attempt was made to perform a DADSM allocate or extend function, but either there was no space in the volume table of contents (VTOC) for an additional data set control block (DSCB) or there was not enough space in the VTOC index for a new entry. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Do one of the following:



## IDC3028I • IDC3032I

- Delete any unneeded data sets or data spaces from the volume to make additional DSCBs available.
- Recreate the volume with a larger VTOC.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

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### IDC3028I DATA SET IN USE

**Explanation:** The data set is currently open and cannot be deleted. This condition arises when two different jobs are referencing the same virtual storage access method (VSAM) data set simultaneously. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Run the command again. Specify disposition of OLD, not SHR.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

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### IDC3029I LOGICAL RECORD LENGTH EXCEEDS 32761

**Explanation:** The maximum logical record length specified is greater than 32,761 for a non-spanned data set. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Reduce the maximum logical record length or define the data set as spanned.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

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### IDC3030I CONTROL INTERVAL SIZE TOO LARGE

**Explanation:** The data component control interval size specified is greater than 32,768 or the index component control interval size is greater than the maximum block size of the index device. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed,

except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Do one of the following:

- Reduce the control interval size.
- If the error occurred due to the index component's device type, use a different device with a larger blocksize.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

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### IDC3031I KEY EXTENDS BEYOND MAXIMUM RECORD LENGTH

**Explanation:** The KEY specification extends beyond the end of the maximum logical record. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Do one of the following:

- Reduce the key length
- Change the key position
- Increase the record length

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

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### IDC3032I BUFFERSPACE TOO SMALL

**Explanation:** The buffer size specified during a define operation is too small to contain the minimum number of control intervals for the virtual storage access method (VSAM) data set being defined. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Increase the BUFFERSPACE parameter of the DEFINE command.

**Source:** DFSMSdfp

**Detecting Module:** IDCTP06

**IDC3033I      VOLUME RECORD NOT FOUND IN CATALOG**

**Explanation:** This condition arises when a function requires a volume that is not owned by the virtual storage access method (VSAM) catalog being used. See the associated second-level message for the specific catalog management error code values.

In the Time Sharing Option/Extensions (TSO/E) environment the second-level message is not displayed, except by request. To request it, enter a question mark (?) after the TSO READY message.

**System Action:** The system ends the command.

**Application Programmer Response:** Ensure that the volumes specified have been defined in the catalog against which the request is being issued.

**Source:** DFSMSDfp

**Detecting Module:** IDCTP06

**IDC3034I      COMMAND FAILED DUE TO DUPLICATE RACF PROFILE**

**Explanation:** As a result of an IMPORT, IMPORTRA or a DEFINE command, virtual storage access method (VSAM) catalog management has attempted to establish a profile. This attempt failed because a profile with the same name exists. Note that in addition to this message, an IDC3009I message with a 114 return code will also be issued.

**System Action:** The system ends the command.

**Application Programmer Response:** Check the reason code on the accompanying IDC3009I message. Take the recommended action for this reason code. Run the job again.

**Source:** DFSMSDfp

**Detecting Module:** IDCTP06

**IDC3036I      DATA SET COULD NOT BE DEFINED TO SECURITY SUBSYSTEM**

**Explanation:** Catalog management attempted to define a RACF profile for the data set. The security subsystem rejected the RACF DEFINE command because the characteristics of the caller and the data set make the data set not eligible for definition.

**System Action:** The system ends the command.

**Application Programmer Response:** Compare the characteristics of the data set with the inclusion standards of the security subsystem package as specified in the installation security subsystem documentation. Modify the data set characteristics. Run the job again.

**Source:** DFSMSDfp

**IDC3037I      STORAGE FOR NUMBER OF ENTRIES EXCEEDS 16M LIMIT**

**Explanation:** IDCAMS runs below the 16M line and is unable to satisfy the users request due to a storage constraint.

**System Action:** The system ends the request.

**Application Programmer Response:** The user can modify the command to avoid this situation. For example, when issuing a LISTCAT level, additional qualifiers can be specified which will avoid exhausting storage.

**IDC3062I      \*\* CARTRIDGE LABELS AND INVENTORY RECORD NOT RESTORED**

**Explanation:** An error was encountered while relabeling a mass storage volume. The attempt to restore the labels of the cartridges and Inventory data set to their original status failed. The volume serial mismatch may exist between the cartridge labels and volume label for the volume. See the preceding message for further explanation of the problem.

**System Action:** The system ends the command.

**Application Programmer Response:** Correct the problem as identified in the preceding message. Take the following actions for the command that failed:

- For a rename operation failure for ADDV, run ADDV to backout or retry the rename operation if the volume is inactive. If the volume is active, run MODIFYV or STOREV to either backout or retry the rename operation.

If the ADDV, MODIFYV, or STOREV commands are run to recover from a rename failure, a DD statement for the volume is required and must specify deferred mounting. The values specified for the VOLUME and NEWSERIAL parameters depend upon how the volume record is recorded in the Inventory data set. If the cartridge labels have been updated, the volume record will be identified by the new volume serial number.

For the VOLUME parameter, specify the volume serial number as recorded in the cartridge labels and the volume record. For the NEWSERIAL parameter, specify the desired volume serial number. Note that the security check for non-virtual storage access method (VSAM) status and password protected data sets is bypassed only if the NEWSERIAL parameter specifies the same volume serial number as recorded in the Inventory data set for the volume label. This allows the original volume serial number of a VSAM volume to be restored if the volume is left partially renamed.

If ADDV, MODIFYV, or STOREV terminates without indicating the status of the rename operation, run LISTMSVI to determine whether the volume is flagged for recovery purposes. If the mismatch flag is set in the volume record, LISTMSVI not only lists the

## IDC3066I

standard information for the volume but also highlights the preceding volume and that serial number is recorded in the volume label of the volume.

- For a rename operation failure for MODIFYV, recover from a MODIFYV rename by:
  - Running ADDV to activate the volume if the volume is merely inactive and has no volume serial mismatch condition
  - Running ADDV to both activate the volume and complete the rename operation if the volume is both inactive and has a volume serial mismatch condition
  - Running MODIFYV again to complete or retry the rename operation if the volume is active but has a mismatch condition
  - Running STOREV to complete or retry the rename operation if the volume is active and if a duplicate volume serial number is desired as a result of the rename. For the DD statement requirements, the proper VOLUME and NEWSERIAL parameter values, and use of LISTMSVI, refer to the description above for an ADDV rename failure.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCMV01, IDCSR01

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### IDC3066I    **\*\* UNABLE TO CLEAR INCOMPLETE - COPY FLAG FROM INVENTORY RECORD**

**Explanation:** The incomplete-copy flag in the Inventory record for the volume could not be cleared. See the preceding message for further explanation of the failure.

**System Action:** The system ends the command with an error message.

**Application Programmer Response:** Correct the problem as indicated in the preceding message. Take one of the following actions for the command that failed:

- For a copy operation failure in COPYV, run COPYV again to complete the copy operation to the incomplete copy volume. COPYV will reuse the cartridges of the incomplete copy volume for the new copy. Or run SCRATCHV to scratch the incomplete copy volume before rerunning the COPYV command. If COPYV ends without indicating the status of the copy operation, run LISTMSVI to determine whether the volume is flagged for recovery purposes. If the incomplete copy flag is set in the copy volume

record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a copy operation failed for the preceding copy volume.

- For a copy operation failure for RECOVERV, run RECOVERV again to complete the recover operation to the target volume that is flagged as an incomplete copy volume. Otherwise, run SCRATCHV to scratch the target volume. The incomplete copy volume may even be used as the target volume in the CONVERTV command. In all cases, the empty volume table of contents (VTOC) check or security check for password protected data sets is bypassed.

If the SCRATCHV command is run, the DD statement is not required for the volume and if provided, must specify deferred mounting. If the RECOVERV command is run again, the DD statement is not required for the target volume, which is flagged as an incomplete copy, unless the volume serial number of the target volume is different from the source volume. If a DD statement is provided for the target volume, deferred mounting must be specified.

If a virtual storage access method (VSAM) catalog is on the volume, a DD statement for the catalog is not required. If one is provided, specify deferred mounting.

If RECOVERV ends without indicating the status of the recover operation, run LISTMSVI to determine whether the volume is flagged for recovery purposes. If the incomplete copy flag is set in the target volume record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a copy operation failed for the preceding volume.

- For a copy operation failure for CONVERTV, run CONVERTV again to complete the conversion operation to the target volume that is flagged as an incomplete copy volume. Otherwise, run SCRATCHV to scratch the target volume. The incomplete copy volume may even be used as the target volume in the RECOVERV command. In all cases, the empty VTOC check or the security check for password protected data sets is bypassed.

If the SCRATCHV command is run, the DD statement is not required for the incompletely copied volume and if provided, must specify deferred mounting.

If a VSAM catalog is on the volume and a DD statement for the target volume must be provided and must specify deferred mounting. If a VSAM catalog is on the volume and a DD statement is provided for the catalog, the DD statement must also specify deferred mounting.

If CONVERTV ends without indicating the status of the conversion operation, run LISTMSVI to determine whether the volume is flagged for recovery purposes.

If the incomplete copy flag is set in the target volume record, LISTMSVI not only lists the standard

information for the volume but also highlights the volume report with a note that a copy operation failed for the preceding volume.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCMV01, IDCSR01

#### IDC3067I {FROM|TO}VOLUME *volser* OWNED BY A VSAM CATALOG

**Explanation:** A virtual storage access method (VSAM) catalog owns the specified volume. The volume cannot be used.

In the message text:

#### FROM|TO

Indicate which volume is unusable for those commands processing both a source and target volume having the same volume serial numbers.

*volser* The volume serial number.

**System Action:** The system ends the command with a message.

**Application Programmer Response:** Before running the command, do one of the following:

- Select a volume not cataloged in a VSAM catalog.
- Use the access method services DELETE command to delete all VSAM data sets and data spaces on the volume, provided the volume is active and mountable.
- Do not specify a new serial number through the NEWSERIAL parameter in the command statement.

**System Programmer Response:** Enter the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCCN01, IDCCO01, IDCRV01

#### IDC3070I \*\* *text* NOT UPDATED IN VOLUME LABEL [OF TO VOLUME]

**Explanation:** *text* is one of the following:

SERIAL  
OWNER  
SERIAL, OWNER

Either the volume serial number or owner name or both was not updated in the volume label as requested. A mismatch may exist between the cartridge labels and the volume label for the mass storage volume. See the preceding message for further explanation of the problem.

In the message text:

#### OF TO VOLUME

Indicates which volume could not be updated for those commands processing both a source and target volume having the same volume serial number.

**System Action:** The system ends the command with a message reflecting the severity of the error.

**Application Programmer Response:** Take one of the following actions for the command that failed:

- For a rename operation failure for ADDV, run ADDV to backout or retry the rename operation if the volume is inactive. If the volume is active, run MODIFYV or STOREV to either backout or retry the rename operation. If the ADDV, MODIFYV, or STOREV commands are run to recover from a rename failure, a DD statement for the volume is required and must specify deferred mounting. The values specified for the VOLUME and NEWSERIAL parameters depend upon how the volume record is recorded in the Inventory data set. If the volume record is identified by the new volume serial number because the cartridge labels have been updated, both the VOLUME and NEWSERIAL parameters must specify the new volume serial number.

Otherwise, specify the old volume serial number with the VOLUME parameter. Note that the security check for non-VSAM status and password protected data sets is bypassed only if the NEWSERIAL parameter specifies the same volume serial number as recorded in the Inventory data set for the volume label. This allows the original volume serial number of a VSAM volume to be restored if the volume is left partially renamed.

If ADDV, MODIFYV, or STOREV ends without indicating the status of the rename operation, run LISTMSVI to determine whether the volume is flagged for recovery purposes. If the mismatch flag is set in the volume record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a



## IDC3071I • IDC3077I

rename operation failed for the preceding volume and that the serial number is recorded in the volume label of the volume.

- For a rename operation failure for MODIFYV, recover from a MODIFYV rename by:
  - Running ADDV to activate the volume if the volume is merely inactive and has no volume serial mismatch condition.
  - Running ADDV both to activate the volume and complete the rename operation if the volume is both inactive and has a volume serial mismatch condition
  - Running MODIFYV again to complete or retry the rename operation if the volume to complete or retry the rename operation if the volume is active and if a duplicate volume serial number is desired as a result of the rename.

For the DD statement requirements, the proper VOLUME and NEWSERIAL parameter values, and use of LISTMSVI, refer to the description above for an ADDV rename failure.

- For a rename operation failure for STOREV, run STOREV again or run MODIFYV to either backout or retry the rename operation. For the DD statement requirements, the proper VOLUME and NEWSERIAL parameter values, and use of LISTMSVI, refer to the description above for an ADDV rename failure.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCCN01, IDCRV01

---

### IDC3071I \*\* COPY NOT COMPLETED

**Explanation:** The copy operation failed. The target volume is marked incomplete in the Inventory data set and will be reused when the command is run again. See the preceding message for further explanation of the failure.

**System Action:** The system ends the command with an error message.

**Application Programmer Response:** Correct the error as identified by the preceding message. To run the command again, follow the recovery actions identified for the recovery of space management.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCRV01

---

### IDC3072I VOLUME ATTRIBUTES DO NOT AGREE WITH GROUP ATTRIBUTES

**Explanation:** One or more of the specified volume attributes do not agree with the group level specifications for all general-use volumes belonging to the group.

The possible attributes are as follows:

- bind/nobind
- readonly/readwrite
- dasderase/nodasderase
- exclusive/shared
- pagefault/nopagefault

**System Action:** The system ends the command with an error message.

**Application Programmer Response:** Use the LISTMSVI command to list the group level specifications. Run the command again with volume attributes specified that correspond to the group that the volume is being assigned.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01, IDCRV01

---

### IDC3077I \*\* CART *csn1* [*csn2*] NOT IN MSF FOR VOL *volser*

**Explanation:** The cartridges assigned to the specified volume cannot be found in the Mass Storage Facility (MSF). See the preceding message for additional information.

In the message text:

*csn1*

*csn2* The cartridge serial numbers that identify the sequence one and sequence two cartridges not in the MSF.

*volser* The volume serial number.

**System Action:** The system ends the command with a message.

**Application Programmer Response:** Correct the problem as indicated in the preceding message. If the cartridges are outside the MSF, enter the cartridges again. Run the command again.

**System Programmer Response:** If the error recurs



and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCCV01

**IDC3081I      \*\* RECORD NOT RETRIEVED FROM INVENTORY FOR COPY yyddd, NO. nnn**

**Explanation:** The record cannot be accessed in the Inventory data set for the copy created on the indicated date and assigned the copy sequence number for that date. See the preceding message for a further explanation of the error.

In the message text:

*yyddd*    The date in year and days.

*nnn*       The copy sequence number.

**System Action:** The system ends the command with a message unless additional copies are to be processed.

**Application Programmer Response:** Correct the error as indicated in the preceding message. Before running the command again, ensure that copy date and sequence number are specified correctly.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCRR01, IDCRV01

**IDC3082I      \*\* COPY NOT PERFORMED**

**Explanation:** The copy operation could not be started to the target volume. The target volume remains usable since the original data on the volume has not been destroyed. See the preceding message for a further explanation of the problem.

**System Action:** The system ends the command with an error message.

**Application Programmer Response:** Correct the error as identified in the preceding message. To run the command again, follow the recovery actions for space management.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCRR01, IDCRV01

**IDC3089I      A DUPLICATE VOLUME EXISTS WITH SERIAL NO. volser**

**Explanation:** More than one volume with the specified volume serial number is recorded in the Inventory data set. Duplicate volumes within the same Mass Storage System occur when:

- The record is deleted from the Inventory data set for an ejected volume, and before the volume is reentered the serial number has been assigned to another volume.
- The record for an ejected copy volume is deleted from the Inventory data set and the copy is reentered.
- A volume is entered in the Mass Storage Facility from another Mass Storage System.

In the message text:

*volser*    The volume serial number.

**System Action:** The system ends the command with an error message.

**Application Programmer Response:** Run the LISTMSVI command to obtain the sequence one and sequence two cartridge serial numbers of the correct volume to be processed. Run the command again specifying either cartridge serial number with the CARTRIDGE parameter so that the command can select the correct volume.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01, IDCRV01

**IDC3090I      VOLUME volser CANNOT BE RELABELED: READONLY ATTRIBUTE IS ASSIGNED**

**Explanation:** The specified volume has the attribute assigned which prohibits any changes to be made to the volume.

In the message text:

*volser*    The volume serial number.

**System Action:** The system ends the command with a message identifying the severity of the error.

**Application Programmer Response:** If the volume is recorded as active in the Inventory data set, use the MODIFYV command to change the READONLY

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attribute to READWRITE. If the volume to be relabeled is inactive, use the ADDV command and specify the READWRITE parameter.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCEV01

---

### IDC3092I FILE PARAMETER WITH DEFERRED MOUNT REQUIRED

**Explanation:** The volume is recorded in the Inventory data set as:

- Incompletely created
- Incompletely copied
- Having a volume serial number mismatch

These problems may cause dynamic allocation of the volume to encounter an error. Therefore, this command requires a FILE parameter on the command statement. The FILE parameter must specify the name of a JCL DD statement which allocates a unit with deferred mounting to prevent allocation from mounting the volume.

**System Action:** The system ends the command with a message identifying the severity of the error.

**Application Programmer Response:** Run the command again with the FILE parameter specifying the name of a JCL DD statement which allocates a unit with deferred mounting.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCMV01, IDCSR01

---

### IDC3094I VOLUME *volser* CANNOT BE RENAMED; COPIES EXIST

**Explanation:** The volume serial number cannot be changed on the specified volume because there are existing copies of the volume made through the COPYV command.

In the message text:

*volser* The volume serial number.

**System Action:** The system ends the command with an error message.

**Application Programmer Response:** Run the SCRATCHV command to scratch all existing copies of the volume. Run the command again. If the copies must be saved, run the EJECTV command with the NORECORD option for each copy volume, or run the REMOVEVR command if the copy is already ejected. This deletes the copy volume record information recorded in the Inventory data set and permits the original volume to be renamed.

If an ejected copy volume, not recorded in the Inventory data set, is reentered in the Mass Storage Facility, the copy will be recorded as a duplicate volume.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCMV01, IDCRV01, IDCSR01

---

### IDC3099I LENGTH OF CARTRIDGE SERIAL NUMBER *csn* INVALID

**Explanation:** A cartridge serial number cannot be less than eleven characters in length.

In the message text:

*csn* The cartridge serial number containing the incorrect length.

**System Action:** The system ends the command with a message unless additional cartridges have been specified for processing.

**Application Programmer Response:** Specify an 11- or 12-character cartridge serial number. Run the command again. If a cartridge serial number of 11 characters is specified, the command extends the cartridge serial number to 12 characters by inserting a blank character in the fourth position from the left. If you specify 12 characters, include the value in quotes because a blank is required as the fourth character.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01, IDCCO01, IDCCV01, IDCEC01, IDCEV01, IDCLV01, IDCMC01, IDCRL01

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**IDC3113I    INVALID LEVEL PARAMETER**

**Explanation:** There is an asterisk (\*) in the last position of the LEVEL parameter. This is an error.

**System Action:** The system ends the command.

**Application Programmer Response:** Remove the asterisk from the last position of the LEVEL parameter. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSDfp

**Detecting Module:** IDCAV01, IDCCO01, IDCCV01, IDCEC01, IDCEV01, IDCLV01, IDCMC01, IDCRL01

---

**IDC3114I    VOLUME *ser* HAS DOWN LEVEL SPACE**

**Explanation:** The specified volume that belongs to a group as a general use volume is being:

- Activated through the use of the ADDV command
- Made a general use volume in a group through the use of the MODIFY command.

In either case, the base volume record in the Inventory data set indicates the volume has down level space. If the MODIFY command is being used, the following applies:

- A JCL DD statement was not provided (or was provided but allocated to a volume different than the volume being modified) and the attempt by the MODIFY command dynamically to allocate the volume failed.

If the ADDV command is being used, the following applies:

- A JCL DD statement was not provided specifying deferred mount and the attempt by the ADDV command dynamically to allocate the volume failed.

In the message text:

*ser*        The volume serial number.

**System Action:** The system ends the MODIFYV or ADDV command.

**Application Programmer Response:** Either provide the appropriate OS/VS JCL DD statement or allow the MODIFYV or the ADDV command dynamically to allocate the volume. Run the MODIFYV or ADDV command again. If dynamic allocation is failing, determine the reason for this failure before running the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSDfp

**Detecting Module:** IDCLD01

---

**IDC3143I    THE OUTPUT DATA SET CANNOT BE THE SAME AS THE INPUT DATA SET**

**Explanation:** The data set specified on the Outfile/Outdataset parameter is the same one that the system is exporting.

**System Action:** The system ends processing.

**Application Programmer Response:** Correct the source or target specifications. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCAV01, IDCMV01

---

**IDC3145I    INVALID PORTABLE DATA SET ORGANIZATION**

**Explanation:** An attempt was made to export either a virtual storage access method (VSAM) data set or a user catalog, using a VSAM data set as the portable data set. The portable data set can be only a sequential access method file.

**System Action:** The system ends the command.

**Application Programmer Response:** Change the specification of portable data set to sequential organization.

**Source:** DFSMSDfp

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**IDC3170I    ICF CATALOG PARAMETER SPECIFIED FOR A VSAM CATALOG**

**Explanation:** During the define of a virtual storage access method (VSAM) user or master catalog, a parameter applicable only to an ICF catalog was encountered. The parameter has been specified at the catalog, data or index component levels. A VSAM catalog is being defined because the VSAMCATALOG parameter has been specified or defaulted.

The parameter is one of the following:

- BUFND

## IDC3174I • IDC3179I

- BUFNI
- CONTROLINTERVALSIZE
- FREESPACE
- IMBED
- NOREPLICATE
- RECORDSIZE
- REPLICATE
- SHAREOPTIONS
- STRNO

**System Action:** The system ends processing of this command.

**Application Programmer Response:** Determine the catalog format to be defined. Remove the incorrect parameters from the command or specify ICFCATALOG. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

---

### IDC3174I SPECIFIED MAXIMUM RECORD SIZE LESS THAN REQUIRED MINIMUM

**Explanation:** During the define of an ICF catalog, the value specified for the data component maximum record size was found to be less than the minimum required value, 4086 bytes. The maximum record size value specified for the data component will override any value specified for the catalog component.

**System Action:** The system ends processing of this command.

**Application Programmer Response:** Change the maximum record size specification. Run the job again. If RECORDSIZE has been specified at both the catalog and data component levels, ensure that the value specified for the data component is at least the minimum required value.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

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### IDC3175I RESTRICTED VVDS NAME SPECIFIED FOR INVALID OBJECT TYPE

**Explanation:** During the define of an object, not a NONINDEXED (ESDS) cluster, the specified name was found to have the format of the restricted virtual storage

access method (VSAM) volume data set (VVDS) prefix, 'SYS1.VVDS.V'. Define processing will disallow the use of any name having this prefix if the name is not specified at the cluster component level of a DEFINE CLUSTER subcommand with the NONINDEXED parameter specified. This prefix has a special use and should only be specified to define a VVDS.

**System Action:** The system ends processing of this command.

**Application Programmer Response:** Change the data set name specified in the NAME parameter if a VVDS is not to be defined. If a VVDS is to be defined, specify the NONINDEXED parameter.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL.

**Source:** DFSMSdfp

---

### IDC3176I VSAM VOLUME DATA SET VOLUME SERIAL NUMBER SPECIFICATION ERROR

**Explanation:** During the define of a virtual storage access method (VSAM) volume data set (VVDS), the volume serial number specified by volser of the VVDS name, 'SYS1.VVDS.Vvolser', did not match the volume serial number specified on the VOLUMES parameter. Only the first volume serial number specified by VOLUME is valid and is compared.

**System Action:** The system ends processing of this command.

**Application Programmer Response:** Check the NAME and VOLUMES specifications. Change the parameter in error. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

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### IDC3179I INCORRECT SPECIFICATION OF EXPIRATION DATE

**Explanation:** Using the TO parameter, an access method services ALTER or DEFINE command specified an incorrect expiration date.

**System Action:** The application aborts with a return code of 12.

**Application Programmer Response:** Respecify the TO parameter. The year must be a four-digit number



ranging from 1900 to 2155 or a two-digit number ranging from 00 to 99. The day must be a three-digit number ranging from 001 to 366. The expiration date must not be less than the current date.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01, IDCDE02

#### **IDC3183I      UNABLE TO PROCESS SMS CONSTRUCTS**

**Explanation:** An access method services DEFINE or IMPORT command specified storage management subsystem (SMS) constructs, but during processing of the command, SMS was not available to process any constructs.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** If the data set must reside on managed storage, ensure that the SMS is operational. Enter the command again.

If the data set can reside on non-SMS managed storage, enter the command again without specifying an SMS construct.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01, IDCDE02

#### **IDC3184I      DUPLICATE VOLUMES SPECIFIED FOR NON-KEYRANGE DEFINITION**

**Explanation:** A DEFINE command for a data set specified duplicate volume serials for a non-keyrange request.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** Check the VOLUMES parameter for duplicate volume serial names. Either code keyranges or remove the duplicate name.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01, IDCMP01

#### **IDC3185I      TOO MANY VOLUMES SPECIFIED**

**Explanation:** A DEFINE command for a storage management subsystem (SMS) managed data set specified more than 59 volume serial numbers. 59 is the maximum volume serials.

**System Action:** The system ends processing of the DEFINE command.

**Application Programmer Response:** Reduce the amount of volume serial numbers in the VOLUMES parameter to 59 or less. Submit the command again.

**Source:** DFSMSdfp

#### **IDC3186I      INVALID VOLUME SERIAL SPECIFIED**

**Explanation:** An attempt was made to define a non-SMS-managed data set with a volume serial of '\*'. A volume serial of '\*' is only permitted for SMS-managed data sets.

**System Action:** The system fails the job.

**User Response:** Correct the volume serial and run the job again.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01

#### **IDC3187I      THE VOLCATALOG ENTRYNAME IS INVALID**

**Explanation:** The entryname specified on an IDCAMS DEFINE USERCATALOG command is not valid for a volume catalog. The general volume catalog must be in the form:

xxxxxxx.VOLCAT.VGENERAL

Where xxxxxxxx is either SYS1 or another high level qualifier specified in the LOADxx member of SYS1.PARMLIB. The specific volume catalog must be in the form:

xxxxxxx.VOLCAT.Vx

Where xxxxxxxx is either SYS1 or another high level qualifier specified in the LOADxx member of SYS1.PARMLIB and x is either a number from 0-9 or an uppercase alphabetic character A-Z.

**System Action:** The system stops processing the command.

**System Programmer Response:** Specify a valid entryname.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01

#### **IDC3190I      'keywd' PARAMETER INVALID WITH ENTRY TYPE**

**Explanation:** The specified key word is improper for the type of object being altered. This is usually a problem in distinguishing between cluster and data/index component attributes.

In the message text:

*keywd* The keyword.

**System Action:** The system ends the command.

**Application Programmer Response:** Specify the proper data set name. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix



## IDC3191I • IDC3195I

exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

### IDC3191I VSAM VOLUME DATA SET NAME OR ITS GENERIC FORM NOT ALLOWED

**Explanation:** During processing of an access method services command, a name was specified and had the restricted virtual storage access method (VSAM) volume data set (VVDS) prefix or one of its generic forms. The VVDS prefix, allowed for the following:

- ENTRYNAME for the ALTER command.
- NEWNAME for the ALTER command.
- INDATASET for the REPRO command.
- MODEL for the DEFINE command.

The requested operation is not allowed for a VVDS.

**System Action:** The system ends processing of this command.

**Application Programmer Response:** Do not use the restricted data set name prefix for the data sets. If a data set has been created with the restricted prefix, an alternate method must be found to complete the desired operation.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

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### IDC3192I LIBRARYNAME MUST REMAIN "SHELF" WHILE LOCATION IS "SHELF"

**Explanation:** An attempt to alter LIBRARYNAME from SHELF was made while LOCATION was SHELF. LOCATION and LIBRARYNAME must be consistent.

**System Action:** The system stops processing the command.

**System Programmer Response:** Use the IDCAMS ALTER command to change LOCATION from SHELF to LIBRARY when altering LIBRARYNAME.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL02

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### IDC3193I *dsname* IS NOT A CANDIDATE FOR ROLLIN

**Explanation:** An access method services ALTER request specified a ROLLIN operation for a non-VSAM data set that is not in the deferred or rolled off state.

In the message text:

*dsname*

The data set name. It may be in the active state already, or it was not originally defined to the generation data group (GDG) base.

**System Action:** The system ends the command.

**Application Programmer Response:** Check whether the data set name is the intended candidate for a ROLLIN operation.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

### IDC3194I SMS CONSTRUCT *conname* SPECIFIED FOR NON-SMS MANAGED OBJECT

**Explanation:** An access method services ALTER command requested to change the storage management subsystem (SMS) construct that is either the storage or management class name. However, the specified object is not SMS managed, so the construct cannot be changed.

In the message text:

*conname*

The construct name.

**System Action:** The system ends processing of the ALTER command.

**Application Programmer Response:** Ensure that this request is made against only SMS managed objects.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

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### IDC3195I OBJECT IS NOT SMS MANAGED

**Explanation:** An access method services ALTER command requested that a generation data set (GDS) be rolled in, but the GDS is not managed by the storage management subsystem (SMS).

**System Action:** The system ends processing of the command.

**Application Programmer Response:** Remove the ROLLIN specification on the ALTER command.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

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**IDC3197I      INVALID AUTHORIZATION TO ALTER  
STORAGECLASS OR  
MANAGEMENTCLASS**

**Explanation:** An attempt was made by an unauthorized caller to alter either the STORAGECLASS or MANAGEMENTCLASS name for the data set being altered. The caller of application management subsystem (AMS) at the time of the ALTER must be running in an authorized program facility (APF) authorized state.

**System Action:** The system ends processing of the ALTER command.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3198I      SLOT VALUE CANNOT BE SPECIFIED  
FOR A MANUAL LIBRARY**

**Explanation:** NUMBERSLOTS and NUMBEREMPTYLOTS are not valid parameters for a manual library.

**System Action:** The system stops processing the command.

**System Programmer Response:** Either remove the NUMBERSLOTS and/or NUMBEREMPTYLOTS parameters or specify LOGICALTYPE(AUTOMATED) on the IDCAMS ALTER command.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL02

---

**IDC3199I      LIBRARYNAME OF "SHELF" IS NOT  
ALLOWED WITH A LOCATION OF  
"LIBRARY"**

**Explanation:** The LIBRARYNAME of SHELF can only be specified when LOCATION is SHELF.

**System Action:** The system stops processing the command.

**System Programmer Response:** Choose a LIBRARYNAME other than SHELF or change the LOCATION parameter to LIBRARY.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL02

---

**IDC3200I      TOO MANY POSITIONAL  
PARAMETERS AFTER 'prm'**

**Explanation:** A parameter list has too many positional parameters specified.

In the message text:

*prm*      The parameter list.

**System Action:** Processing skips to the end of the

command. The system resumes interpretation with the next command.

**Application Programmer Response:** Remove the excess parameters. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

**IDC3201I      CONSTANT 'xxx' EXCEEDS LENGTH  
LIMIT**

**Explanation:** A constant is longer than the maximum allowed by the parameter definition or by the implementation.

In the message text:

*xxx*      The constant that exceeded the maximum length.

**System Action:** Processing skips to the end of the command. The system resumes interpretation with the next command.

**Application Programmer Response:** See the definition of the parameter value in question. Specify an allowable value. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

**IDC3202I      ABOVE TEXT BYPASSED UNTIL NEXT  
COMMAND. CONDITION CODE IS 12.**

**Explanation:** Following the occurrence of an error in the current command, the remainder of the command is bypassed. An error message preceding this message in the program listing will pinpoint the error.

**System Action:** The system performs no further syntax or semantic checking on the command.

**Application Programmer Response:** Correct the related error. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

Detecting Module: IDCRI01

---

**IDC3203I    ITEM 'xxx' DOES NOT ADHERE TO RESTRICTIONS**

**Explanation:** The specified constant does not meet the naming restrictions on its format. This is usually a problem in specifying data set names.

In the message text:

xxx        The constant.

**System Action:** Processing skips to the end of the command. The system resumes interpretation with the next command.

**Application Programmer Response:** Check the data restrictions for the parameter and correct the item. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

**IDC3205I    DELIMITER 'xxx' IS NOT PROPERLY PRECEDED BY A CONSTANT OR KEY WORD**

**Explanation:** A delimiter has been specified where a subparameter list or data should have appeared. The delimiter is being used improperly. Parentheses are likely to be improper or a positional parameter may be missing.

In the message text:

xxx        The delimiter.

**System Action:** Processing skips to the end of the command. The system resumes interpretation with the next command.

**Application Programmer Response:** Correct the usage. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

**IDC3207I    REMAINDER OF COMMAND INPUT STREAM IGNORED**

**Explanation:** An error has occurred that prohibits further scanning of the input stream. There are preceding error messages to explain the error. The condition code (MAXCC) is always set to 16 when the remainder of the input stream is ignored.

**System Action:** The system ignores the remainder of the command input stream.

**Application Programmer Response:** Correct the related error. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

**IDC3208I    LEFT PARENTHESIS MISSING FOLLOWING KEY WORD 'keywd'**

**Explanation:** An opening parenthesis delimiting the subparameter list or constants associated with the keyword does not precede the keyword.

In the message text:

keywd    The keyword.

**System Action:** Processing skips to the end of the command. The system resumes interpretation with the next command.

**Application Programmer Response:** Check the requirements of the parameter. Correct the usage. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

**IDC3209I    RIGHT PARENTHESIS MISSING AFTER 'xxx'**

**Explanation:** A right parenthesis is missing which should delimit the end of one or more constants. Too many items might be specified.

In the message text:

xxx        The item before which the parenthesis is missing.

**System Action:** Processing skips to the end of the

command. The system resumes interpretation with the next command.

**Application Programmer Response:** Correct the usage. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

#### IDC3210I    INVALID PARENTHESES FOR SPECIFYING REPEATED SUBPARAMETER LIST

**Explanation:** Parentheses for delimiting repetitions of a repeated subparameter list are missing or unmatched.

**System Action:** Processing skips to the end of the command. The system begins interpretation with the next command.

**Application Programmer Response:** Correct the usage. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

#### IDC3211I    KEY WORD '*keywd*' IS IMPROPER

**Explanation:** A keyword has been found which is not recognized in its specified usage. It may be misspelled, not applicable, or specified as a subparameter in the wrong subparameter list.

In the message text:

*keywd*    The keyword.

**System Action:** Processing skips to the end of the command. The system begins interpretation with the next command.

**Application Programmer Response:** Check the usage of the keyword and the parentheses.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

#### IDC3212I    INVALID LEFT PARENTHESIS AFTER '*prm*'

**Explanation:** A left parenthesis appears to delimit a positional parameter. However, the positional parameter is not a constant or list of constants, so no parentheses are allowed.

In the message text:

*prm*    The positional parameter.

**System Action:** Processing skips to the end of the command. The system begins interpretation with the next command.

**Application Programmer Response:** Correct the usage. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

#### IDC3213I    KEY WORD '*keywd*' APPEARS TOO OFTEN

**Explanation:** A keyword has been coded more than once in the same parameter list or subparameter list.

In the message text:

*keywd*    The keyword.

**System Action:** Processing skips to the end of the command. The system begins interpretation with the next command.

**Application Programmer Response:** Remove the redundant keyword. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

#### IDC3214I    HEX OR BINARY CONSTANT SPECIFIED IMPROPERLY

**Explanation:** A hexadecimal or binary constant is not in its proper form.

**System Action:** Processing skips to the end of the command. The system begins interpretation with the next command.

**Application Programmer Response:** Correct the usage. Run the command again.

## IDC3216I • IDC3220I

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

### IDC3216I ABOVE TEXT BYPASSED UNTIL NEXT COMMAND

**Explanation:** Following the occurrence of an error in the current command, the remainder of the command is bypassed. An error message preceding this message will pinpoint the error. The command was being scanned for syntax checking purposes only when the error was found.

**System Action:** The system performs no further syntax or semantic checking on the command. The system condition code is not affected.

**Application Programmer Response:** Correct the related error. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

### IDC3217I PASSWORD IMPROPER AFTER '*prm*'

**Explanation:** A password is found following a data item that does not allow a password.

In the message text:

*prm* The data item that does not allow a password.

**System Action:** Processing skips to the end of the command. The system begins interpretation with the next command.

**Application Programmer Response:** Remove the improper password. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

### IDC3218I TOO MANY REPEATED SUBPARAMETER LISTS APPEAR

**Explanation:** More repeated subparameter lists are coded than are allowed.

**System Action:** Processing skips to the end of the command. The system begins interpretation with the next command.

**Application Programmer Response:** Check the parameter description to see how many repetitions are allowed. Correct the usage. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

### IDC3219I VERB NAME '*verb*' UNKNOWN

**Explanation:** The specified verb name is not known to the system.

In the message text:

*verb* The verb name.

**System Action:** Processing skips to the end of the command. The system begins interpretation with the next command.

**Application Programmer Response:** Correct the improper verb name. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

### IDC3220I IMPROPER NUMERIC DIGIT FOUND IN '*prm*'

**Explanation:** An incorrect numeric digit has been found. A decimal number may use only 0-9, a hexadecimal number may use only 0-9 and A-F, and a binary number may use only digits 0 and 1.

In the message text:

*prm* The parameter in which the incorrect digit was found.

**System Action:** Processing skips to the end of the command. The system begins interpretation with the next command.

**Application Programmer Response:** Correct the



usage. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

#### **IDC3221I    CONSTANT 'xxx' NOT WITHIN VALUE RANGE**

**Explanation:** A constant is of a value not within the range of values allowed for this parameter.

In the message text:

xxx        The constant.

**System Action:** Processing skips to the end of the command. The system begins interpretation with the next command.

**Application Programmer Response:** Correct the usage. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

#### **IDC3223I    TOO MANY CONSTANTS IN LIST BEGINNING AT 'xxx'**

**Explanation:** Too many constants have been coded in a list.

In the message text:

xxx        The constant that begins the list.

**System Action:** Processing skips to the end of the command. The system begins interpretation with the next command.

**Application Programmer Response:** Check the parameter definition to see how many constants appear in the list. Correct the usage. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

#### **IDC3225I    REQUIRED (SUB)PARAMETER OF 'prm' IS MISSING**

**Explanation:** The system issues this message for one of the following reasons:

- A parameter required by the command is missing.
- For Cache-DASD the specified parameter is required.

In the message text:

prm        The required parameter.

**System Action:** Processing skips to the end of the command. The system begins interpretation with the next command.

**Application Programmer Response:** Add the missing parameter. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

#### **IDC3226I    INCONSISTENT PARAMETERS INVOLVING prm**

**Explanation:** A user issued an IDCAMS command that has conflicting or inconsistent parameters.

In the message text:

prm        The conflicting or inconsistent parameter.

**System Action:** Processing skips to the end of the command; interpretation begins at the next command.

**Application Programmer Response:** Correct the error. Issue the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

#### **IDC3240I    'prm' VALUE OF 'nnn' OUT OF RANGE**

**Explanation:** A number is either larger or smaller than is allowed for the specified parameter.

In the message text:

prm        The specified parameter.

nnn        Represents the first ten digits of the number.

**System Action:** The system prompts the caller for a valid number. See message IDC3249I.

**Application Programmer Response:** Enter a number within the allowable value range.

**System Programmer Response:** If the error recurs and the program is not in error, search problem

## IDC3241I • IDC3244I

reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the control statements for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

### IDC3241I INVALID '*prm*' NAME-*xxx*

**Explanation:** A DSNAME or DDNAME does not adhere to naming restrictions.

In the message text:

*prm* The specified parameter.

*xxx* The first sixty-four characters of the name, if more than sixty-four characters were entered.

**System Action:** The system prompts the caller for a valid name. See message IDC3249I.

**Application Programmer Response:** Enter a valid name.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the control statements for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI04

---

### IDC3242I '*prm*' VALUE HAS INVALID LENGTH-*xxx*

**Explanation:** A constant is either too long or has a null length.

In the message text:

*prm* The specified parameter.

*xxx* The first sixty-three characters of the constant, if more than sixty-three were entered.

**System Action:** The system prompts the caller for a valid constant. See message IDC3249I.

**Application Programmer Response:** Enter a valid constant.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the control statements for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI04

---

### IDC3243I '*prm*' LIST TOO LONG BEGINNING AT *xxx*

**Explanation:** A list of nonnumeric constants or subparameter lists has too many elements.

In the message text:

*prm* The specified parameter.

*xxx* The first sixty-three characters of the constant, if more than sixty-three characters were entered.

**System Action:** The system prompts the caller to indicate whether the excess list elements may be ignored. See message IDC3250I.

**Application Programmer Response:** Enter 'OK' to allow the excess elements to be ignored. Any other response ends the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the control statements for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI04

---

### IDC3244I '*prm1*' (REPLY '1') AND *prm2* (REPLY '2') ARE IN CONFLICT

**Explanation:** Two parameters have been coded that conflict with each other.

In the message text:

*prm1*

*prm2* The conflicting parameters.

**System Action:** The system prompts the caller to indicate which of the two parameters should be kept. See message IDC3246I.

**Application Programmer Response:** Enter '1' to keep the first parameter. Enter '2' to keep the second parameter.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the control statements for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI04

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**IDC3246I    ENTER REPLY NUMBER OF  
PARAMETER TO BE RETAINED**

**Explanation:** This message follows message IDC3244I and allows the operator to specify which parameter to retain.

**System Action:** The system waits for the caller to reply.

**Application Programmer Response:** Enter '1' to keep the first parameter listed in the preceding message. Enter '2' to keep the second parameter.

**Source:** DFSMSSdfp

**Detecting Module:** IDCRI04

---

**IDC3247I    ENTER SUBFIELD OF KEY WORD  
          'keywd'**

**Explanation:** A keyword parameter is missing. It is required by the command or by some other parameter that has been coded.

In the message text:

*keywd*    The keyword.

**System Action:** The system waits for the caller to reply. Either a constant or a subparameter set is required.

**Application Programmer Response:** Enter the requested subfield data.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the control statements for the job.

**Source:** DFSMSSdfp

**Detecting Module:** IDCRI04

---

**IDC3248I    'prm' LIST TOO LONG BEGINNING AT  
          nnn**

**Explanation:** A list of numbers contains too many elements.

In the message text:

*prm*        The specified parameter.

*nnn*        The first ten digits of the number.

**System Action:** The system prompts the caller to indicate whether the excess elements can be ignored. See message IDC3250I.

**Application Programmer Response:** Reply 'OK' to allow the excess elements to be ignored. Any other response ends the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem

reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the control statements for the job.

**Source:** DFSMSSdfp

**Detecting Module:** IDCRI04

---

**IDC3249I    REENTER**

**Explanation:** This prompting message follows messages that identify incorrect constants: IDC3240I, IDC3241I, and IDC3242I.

**System Action:** The system requests the caller to enter a valid constant.

**Application Programmer Response:** Enter a valid constant.

**Source:** DFSMSSdfp

**Detecting Module:** IDCRI04

---

**IDC3250I    REPLY 'OK' TO IGNORE EXCESS AND  
CONTINUE**

**Explanation:** This prompting message follows message IDC3243I or IDC3248I which indicate too many elements have been coded in a list.

**System Action:** The system prompts the caller to indicate whether the excess elements can be ignored.

**Application Programmer Response:** If the response is 'OK' or 'OK', 'OK', 'OK' the excess elements are ignored. Any other response causes the command to end.

**Source:** DFSMSSdfp

**Detecting Module:** IDCRI04

---

**IDC3251I    FOR SUBFIELD REPETITION    nnn**

**Explanation:** This message prefaces any other error message when the parameter involved in the error is within a repeated subparameter list. It is used to help identify the problem.

In the message text:

*nnn*        The subparameter list repetition.

**System Action:** The system continues processing.

**Application Programmer Response:** Examine the indicated subparameter list repetition.

**Source:** DFSMSSdfp

**Detecting Module:** IDCRI04

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**IDC3253I MISSING SUBFIELD OF KEY WORD**  
*keywd*

**Explanation:** A keyword subparameter is missing, but the system is not able to prompt the Time Sharing Option/Extensions (TSO/E) user for it because a PROFILE NOPROMPT command has been issued.

In the message text:

*keywd* The keyword.

**System Action:** The system ends processing of the command.

**Operator Response:** The TSO/E user should reenter the command with the proper keyword.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem and the control statements for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI04

---

**IDC3300I ERROR OPENING {*dsname*|*ddname*}**

**Explanation:** An error was detected attempting to open the data set name. See associated message for explanation.

In the message text:

*dsname*  
The data set name.

*ddname*  
The ddname. Appears only when the data set name is not available.

**System Action:** The system ends the command.

**Application Programmer Response:** Check the associated message.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI04

---

**IDC3301I ERROR CLOSING *dsname***

**Explanation:** An error was detected while attempting to close the data set. See the associated message in the program listing for an explanation.

In the message text:

*dsname*  
The data set name.

**System Action:** The system ends the command.

**Application Programmer Response:** Check the associated message.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO02, IDCIO05

---

**IDC3302I ACTION ERROR ON *dsname***

**Explanation:** An error was detected while attempting to access the data set. See the associated message in the program listing for explanation.

In the message text:

*dsname*  
The data set name.

**System Action:** The system ends the command.

**Application Programmer Response:** Check the associated message.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO02

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**IDC3303I \*\* CANNOT OPEN FOR UPDATE**

**Explanation:** Only virtual storage access method (VSAM) data sets may be opened for update mode.

**System Action:** The system does not open the data set. The system ends the command.

**Application Programmer Response:** Change the DD statement to specify a VSAM data set.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01, IDCIO03, IDCRS06

---

**IDC3304I    \*\* JCL STATEMENT MISSING**

**Explanation:** The DD statement named in a FILE, INFILE, or OUTFILE parameter cannot be found. If the job or Time Sharing Option/Extensions (TSO/E) session contains a delete request that causes the system to invoke dynamic deallocation, the DD statement for the deleted data set is not accessible for the remainder of the job or session.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** Check ddnames for incorrect spelling or check for missing DD statements. Correct the error. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO02

---

**IDC3305I    \*\* CANNOT BE OPENED FOR OUTPUT**

**Explanation:** The processor cannot open this non-virtual storage access method (VSAM) data set for output. Specifically, indexed sequential access method (ISAM) data sets may not be output data sets.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** Change the keyword value to specify either a VSAM or SAM data set.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO02

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**IDC3306I    \*\* PS PROCESSING INVALID FOR KEYED DATA SET**

**Explanation:** Physical sequential access is not possible for the data set. Indexed sequential access method (ISAM) data sets may not be processed other than sequentially by key.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** Change the JCL statement to specify a virtual storage access

method (VSAM) data set, or correct the usage of the data set.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO02

---

**IDC3307I    \*\* DATA SET CANNOT BE OPENED FOR KEYED PROCESSING**

**Explanation:** Only indexed virtual storage access method (VSAM) and indexed sequential access method (ISAM) data sets can be opened for keyed processing.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** Change the JCL statement to specify a keyed data set or correct the usage of the data set in the command. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO02

---

**IDC3308I    \*\* DUPLICATE RECORD xxx**

**Explanation:** The output data set of a REPRO command already contains a record with the same key or record number.

In the message text:

xxx      For an indexed data set, the first five bytes of the duplicate key, in hexadecimal format.

For a relative record data set, the relative record number (in decimal) of the duplicate record.

**System Action:** The system does not write the record. The system continues processing with the next record, unless this is a copy catalog and a duplicate record is encountered or there has been a total of four errors. The system ends in either case. For example, if a duplicate record is encountered while REPRO is copying a catalog, the system ends processing.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix



## IDC3309I • IDC3313I

exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO02

---

### IDC3309I    **\*\* RECORD *xxx* NOT WRITTEN. LENGTH INVALID.**

**Explanation:** The specified record was not written for one of the following reasons:

- The record length was greater than the LRECL of the output data set (logical processing).
- The record length was less than the LRECL of the output data set and output RECFM=FIXED, or output is a relative record data set.
- The control-interval length to be written did not equal the control interval size for the output data set.
- The record length was less than the minimum output LRECL allowed (input LRECL + 4) when RECFM=F and output is to a subsystem device.

In the message text:

*xxx*        The first five bytes of the record in hexadecimal format.

**System Action:** The system continues processing until four such errors occur, in which case no more records are written to the data set.

**Application Programmer Response:** Redefine the output data set with the correct LRECL or control interval size.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

---

### IDC3310I    **\*\* KEY SUPPLIED IS LONGER THAN KEY LENGTH OF DATA SET**

**Explanation:** The key supplied for positioning was longer than the key length of the data set. For example, the key specified by FROMKEY is longer than the key length of the data set.

**System Action:** The system ends processing of this command.

**Application Programmer Response:** Specify the correct key on the command. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix

exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

---

### IDC3311I    **\*\* TYPE OF POSITIONING NOT SUPPORTED**

**Explanation:** Positioning is valid only for virtual storage access method (VSAM) and indexed sequential access method (ISAM) data sets.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** Respecify the JCL statement defining a VSAM or ISAM data set or remove the positioning parameter. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO03

---

### IDC3312I    **\*\* SYSTEM UNABLE TO OPEN**

**Explanation:** DCBOFLG was not set after an OPEN request.

**System Action:** The system ends the command.

**Application Programmer Response:** In the description of the OPEN macro instruction, check for an explanation of failure to set the DCBOFLG field in a non-virtual storage access method (VSAM) data control block (DCB) after an OPEN request.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO03

---

### IDC3313I    *synadaf-message*

**Explanation:** An I/O error occurred for a non-virtual storage access method (VSAM) data set. The SYNADAF message is written.

**System Action:** The system ends the command.

**Application Programmer Response:** Check the explanation in the SYNADAF message. Correct the error. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO02

#### IDC3314I      RECORD xxx OUT OF SEQUENCE

**Explanation:** The key of the record to be written is less than or equal to the key of the last record written.

In the message text:

xxx      The first five bytes in hexadecimal format of the key of the record that is out of sequence.

**System Action:** If the output data set is a virtual storage access method (VSAM) data set, the system ends processing of the command after four errors. If the output data set is a NONVSAM data set, the system continues processing the command. During an EXPORT, the system ends processing of the command after the first error.

**Application Programmer Response:** Rearrange the records to be written so that they are in ascending key sequence. The record can be written to the data set using skip sequential processing. Run the job again and the output data set will be opened for skip sequential processing (because data already exists in the data set) and records that were out of sequence will be written.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01, IDCIO05

#### IDC3315I      \*\* RECORD SIZE GREATER THAN 32760 NOT SUPPORTED

**Explanation:** Access method services cannot process a non-virtual storage access method (VSAM) data set with a logical record length greater than 32,760 bytes. The DCB LRECL parameter was specified with a value greater than 32,760. This value was obtained either from the DD statement, the format-1 data set control block (DSCB) or the data set label (for a tape data set) for a non-VSAM data set, or it was generated by the EXPORT or EXPORTRA command for a portable data set. The logical record length for the EXPORT or EXPORTRA command is based on the maximum record size of the VSAM data set being exported plus system overhead. The maximum VSAM record size that can be handled by EXPORT is:

- 32,752 for relative record data sets
- 32,756 for all other types of VSAM data sets

The maximum record size that can be handled by EXPORTRA is:

- 32,748 for relative record data sets
- 32,752 for all other types of VSAM data sets

**System Action:** The system ends processing of this command.

**Application Programmer Response:** Do one of the following:

- Change the DD statement to specify a DCB LRECL parameter of less than 32,760 bytes or to refer to a non-VSAM data set whose logical record length (as specified in its format-1 DSCB or data set label) is less than 32,760 bytes
- Change the VSAM maximum logical record size to conform to the restrictions given above. In order to use the second alternative, redefine and reload the VSAM data set.

**System Programmer Response:** Enter the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

#### IDC3316I      \*\* DATA SET IS NOT VSAM CATALOG

**Explanation:** A request is for a virtual storage access method (VSAM) catalog to be opened and the data set is not a VSAM catalog.

**System Action:** The system ends the command.

**Application Programmer Response:** Correct the catalog keyword to specify a user catalog. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO02

**IDC3317I    \*\* PERMANENT I/O ERROR**

**Explanation:** An I/O error was detected performing an I/O operation on the data set named in the preceding message.

**System Action:** The system ends processing of this command.

**Application Programmer Response:** Check the job control statement to ensure that the data set was correctly defined. If it was correctly defined, a hardware I/O error was encountered. The data set must be created in a new location.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdftp

**Detecting Module:** IDCIO02

**IDC3318I    \*\* INVALID DATA SET SPECIFICATION**

**Explanation:** A STOW was issued against the data set, but the specified data control block (DCB) is not open or is opened incorrectly.

**System Action:** The system ends processing.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdftp

**Detecting Module:** IDCIO01, IDCIO02, IDCIO03

**IDC3321I    \*\* OPEN/CLOSE/EOV ABEND EXIT TAKEN**

**Explanation:** The OPEN/CLOSE/EOV SVC routines detected an error, and an ABEND message has been written to the system output data set.

**System Action:** The system ends the command.

**Application Programmer Response:** Check the write-to-programmer (WTP) message written by the OPEN/CLOSE routine. Correct the error. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdftp

**Detecting Module:** IDCIO02

**IDC3322I    \*\* DATA SET ORGANIZATION IS NOT VSAM**

**Explanation:** A request for an existing data set indicated that the data set was virtual storage access method (VSAM). The data set was in fact not VSAM.

**System Action:** The system ends the command.

**Application Programmer Response:** Correct the data set name or type. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdftp

**Detecting Module:** IDCIO02

**IDC3325I    \*\* INCORRECT BLOCKSIZE SPECIFIED FOR IMPORTRA**

**Explanation:** The data set cannot be opened due to an incorrect block size in the INFILE parameter.

**System Action:** The system ends processing of the IMPORTRA command.

**Application Programmer Response:** Change the block size in the INFILE parameter to that used in the EXPORTRA command. Run the job again.

**Source:** DFSMSdftp

**Detecting Module:** IDCIO01

**IDC3326I    \*\* REPLACE INVALID FOR OUTPUT THROUGH A PATH**

**Explanation:** The caller has specified the REPLACE parameter in a REPRO command when the output data set is a path. REPLACE processing is not allowed for an output path.

**System Action:** The system ends processing of this command.

**Application Programmer Response:** If the input does not contain any records duplicating prime keys (and alternate keys of any upgrade set alternate index having the UNIQUEKEY attribute) in the output, the caller may still run REPRO by simply removing the REPLACE parameter.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

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**IDC3327I    \*\* DUPLICATE RECORD IN UPGRADE  
SET - BASE RECORD xxx**

**Explanation:** During a REPRO operation an attempt has been made to add a record to the output base cluster. However, a duplicate record in the upgrade set has been encountered when upgrading an alternate index with the UNIQUEKEY attribute over the output data set.

In the message text:

xxx      If the base cluster is a key-sequenced data set, the first five bytes of the prime key expressed in hexadecimal.

          If the base cluster is an entry-sequenced data set, the first five bytes of the record expressed in hexadecimal.

**System Action:** The system does not write the record into the base cluster. The system continues processing until four action errors occur, at which point the system ends processing.

**Application Programmer Response:** If the UNIQUEKEY attribute was correctly specified, the base cluster record being added is in error and must be corrected. If the UNIQUEKEY attribute was incorrectly specified, it may be changed to NONUNIQUEKEY using the ALTER command. Run the job again using just those records that were in error as input.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO02

---

**IDC3330I    \*\* xxx NOT FOUND**

**Explanation:** The indicated entry does not exist in the directory.

In the message text:

xxx      The entry not found.

**System Action:** The system ends the command.

**Application Programmer Response:** Correct the entry name. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix

exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

---

**IDC3331I    \*\* mem ALREADY EXISTS**

**Explanation:** A member with the new member name already exists in the PDS directory.

In the message text:

mem      The member.

**System Action:** The system ends the command.

**Application Programmer Response:** Specify a different new name. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO03

---

**IDC3332I    \*\* INSUFFICIENT MAIN STORAGE**

**Explanation:** There is not sufficient main storage allocated.

**System Action:** The system ends the job.

**Application Programmer Response:** Specify a larger region size. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO03

---

**IDC3333I    \*\* CATALOG IS NOT EMPTY**

**Explanation:** The REPRO command to copy a source catalog into a target catalog failed because the target catalog was not empty or was empty but had been used. That is, it has entries defined in it, then deleted from it.

**System Action:** The system does not carry out the copy operation. The system ends the command.

**Application Programmer Response:** Ensure that the correct target catalog has been specified. If it has, use the LISTCAT command to determine whether the catalog is empty. If it is empty, delete it and redefine it.



## IDC3334I • IDC3336I

If it is not empty, delete whatever is defined in it, then delete it, and redefine it.

Enter the REPRO command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO02, IDCIO03, IDCSA02

---

### IDC3334I    \*\* INVALID CI NUMBER

**Explanation:** The REPRO command to copy a source catalog into a target catalog failed because there was an incorrect control-interval number in an entry in the source catalog.

**System Action:** The system does not carry out the copy operation. The system ends the command.

**Application Programmer Response:** Use the LISTCAT command to list all of the entries in the source catalog. Examine messages from LISTCAT to determine the entry that contains the incorrect control-interval number.

Use the DELETE command to delete that entry. If the DELETE fails, use the PRINT command to get a dump-format listing of the source catalog to identify the catalog record that contains the incorrect control-interval number and to determine what the control-interval number should be. Contact the IBM Support Center.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

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### IDC3335I    {ENCIPHER|DECIPHER} ERROR

**Explanation:** An error was detected while attempting to use a Programmed Cryptographic Facility service to encipher or decipher data. See the accompanying message for an explanation of the error.

**System Action:** The system ends the command.

**Application Programmer Response:** Respond to the problem described by the accompanying message.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

---

### IDC3336I    \*\* text RETURN CODE IS return-code

**Explanation:** *text* is one of the following:

CIPHER  
EMK  
GENKEY  
RETKEY

The indicated Programmed Cryptographic Facility (PCF) service returned a nonzero return code. PCF and cryptographic unit support program (CUSP) macros will receive identical error return codes if they run on integrated cryptographic service facility (ICSF)/MVS or on PCF/CUSP, with one exception. If a key is installed in the cryptographic key data set (CKDS) with the correct label but an incorrect key type, an attempt to use that key by RETKEY or GENKEY will result in a return code of 8 from PCF/CUSP, indicating that the key was not of the correct type. ICSF will issue a return code of 12, indicating the key could not be found. Installations must ensure that PCF/CUSP LOCAL or CROSS 1 keys are installed on the ICSF CKDS as EXPORTER keys, and that REMOTE and CROSS 2 keys are installed as IMPORTER keys.

In the message text:

*text*                      The text of the message.  
*return-code*              The return code, as follows:

For CIPHER/EMK:

Code	Explanation
4	PCF was not initialized.
12	The system encountered an error that forced an abnormal end.

For GENKEY/RETKEY:

Code	Explanation
4	PCF was not active.
8	The key type was incorrect.
12	The key name was not found in the CKDS.
16	An installation exit caused the request to fail.
24	An error occurred in the installation exit routine.
28	The authorization check failed.
32	The key has incorrect parity.
36	The system encountered an error that forced an abnormal end.



**System Action:** The system ends the command.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

#### **IDC3337I      TARGET DATA SET IS NOT EMPTY FOR {ENCIPHER|DECIPHER}**

**Explanation:** The target virtual storage access method (VSAM) entry-sequenced data set (ESDS) for the ENCIPHER or DECIPHER operation was not empty.

**System Action:** The system ends the command.

**Application Programmer Response:** Change the DD statement for the target data set pointed to by the OUTFILE parameter or the data set name specified by the OUTDATASET parameter to specify an empty VSAM ESDS, or, if the VSAM ESDS was defined with the REUSE option, specify REUSE in the command.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

#### **IDC3338I      INVALID SOURCE DATA SET FOR DECIPHER**

**Explanation:** The source data set was not enciphered by a REPRO ENCIPHER command, and therefore cannot be deciphered.

**System Action:** The system ends the command.

**Application Programmer Response:** Change the DD statement pointed to by the INFILE parameter or the data set name specified by the INDATASET parameter to specify a data set that was produced by a REPRO ENCIPHER operation.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

#### **IDC3340I      SYSTEMKEYNAME text**

**Explanation:** *text* is one of the following:  
ENCIPHERED SYSTEMDATAKEY  
NOT FOUND IN SOURCE DATA SET

The caller did not specify the key name or enciphered data encrypting key to be used to decipher the data. REPRO command processing tried to obtain the needed information from the header of the source data set, but the information was not stored in the header when the data set was enciphered by the REPRO ENCIPHER command.

**System Action:** The system ends the command.

**Application Programmer Response:** Supply the needed key name or enciphered data encrypting key in the command using the SYSTEMKEYNAME or SYSTEMDATAKEY parameter.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

#### **IDC3341I      DECIPHER KEY IS INVALID**

**Explanation:** One of the keys supplied by the caller to decipher the data is not the same as the key that was used to encipher the data. If the SYSTEMKEY parameter was specified, then one of the following is incorrect:

- The secondary file key name specified by the SYSTEMKEYNAME parameter.
- The secondary file key name contained in the header.
- The enciphered data encrypting key specified by the SYSTEMDATAKEY parameter.
- The enciphered data encrypting key contained in the header.

If the DATAKEYVALUE parameter was specified, then the specified value (plain text data encrypting key) is incorrect. If the DATAKEYFILE parameter was specified, then the first record in the data encrypting key data set is incorrect.

**System Action:** The system ends the command.

**Application Programmer Response:** Supply the correct key. Run the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL

## IDC3350I • IDC3351I

and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

---

### IDC3350I     *synad*[SYNAD]*message*[from VSAM]

**Explanation:** An I/O error occurred for a virtual storage access method (VSAM) data set. The message text, format, and explanation of VSAM I/O errors are provided in *z/OS DFSMS Macro Instructions for Data Sets*.

In the message text:

*synad*    The synad data.

*message*  
          The message text.

**System Action:** If possible, the system continues processing.

**Application Programmer Response:** Check the explanation of the error. Correct the error. Submit the job again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01

---

### IDC3351I     **\*\* VSAM {OPEN|CLOSE|I/O} RETURN CODE IS** *return-code*           **{RPLFDBWD=nnnnnnnn}**

**Explanation:** An error was encountered during virtual storage access method (VSAM) open, close, or action request processing, as indicated in the text of the message.

In the message text:

*nnnnnnnn*  
          The meaning of RPLFDBWD, the RPL Feedback Word. For detailed information on the RPL Feedback Word, see *z/OS DFSMS Macro Instructions for Data Sets*.

**rc**        The return code, as follows:

*For a CLOSE Error*

Code	Explanation
------	-------------

4	The data set indicated by the access-method control block is already closed.
---	------------------------------------------------------------------------------

124	A request was cancelled from a use JRNAD Exit.
-----	------------------------------------------------

128	Index search horizontal chain pointer loop encountered.
-----	---------------------------------------------------------

129	TCLOSE was issued against a media manager's structure.
-----	--------------------------------------------------------

132	An uncorrectable I/O error occurred while VSAM was reading the job file control block (JFCB).
-----	-----------------------------------------------------------------------------------------------

136	Not enough virtual storage was available in the program's address space for a work area for CLOSE.
-----	----------------------------------------------------------------------------------------------------

144	An uncorrectable I/O error occurred while VSAM was reading or writing a catalog record.
-----	-----------------------------------------------------------------------------------------

145	An uncorrectable error occurred in the VSAM volume data set (VVDS).
-----	---------------------------------------------------------------------

148	An unidentified error occurred while VSAM was searching the catalog.
-----	----------------------------------------------------------------------

180	A VSAM catalog specified in the JCL either does not exist or is not open, and no record for the data set to be closed was found in any other catalog.
-----	-------------------------------------------------------------------------------------------------------------------------------------------------------

184	An uncorrectable I/O error occurred while VSAM was completing outstanding I/O requests.
-----	-----------------------------------------------------------------------------------------

236	A permanent destaging error occurred in the Mass Storage System (RELINQUISH). With temporary CLOSE, destaging error or a staging error (ACQUIRE) occurred.
-----	------------------------------------------------------------------------------------------------------------------------------------------------------------

246	The compression management services (CMS) close function failed.
-----	------------------------------------------------------------------

*For an OPEN Error*

0	When register 15 contains 0, no error. When register 15 contains 8, one of the following conditions exists:
---	-------------------------------------------------------------------------------------------------------------

1. VSAM is processing the access-method control block for some other request.
2. The access-method control block is already open.
3. DDNAME was not specified correctly in the access-method control block.
4. The access-method control block address is incorrect.

4	The data set indicated by the access-method control block is already open.
---	----------------------------------------------------------------------------

76	Attention message: The interrupt recognition flag (IRF) was detected for a data set opened for input processing.
----	------------------------------------------------------------------------------------------------------------------

88	A previous extend error has occurred during EOVS processing of the data set.		its processing. In addition, an empty cluster cannot be verified.
92	Attention message: Inconsistent use of CBUF processing. Sharing options differ between index and data components.	118	Attention message: The data set was not properly closed but OPEN's implicit verify was successfully processed.
96	Attention message: an unusable data set was opened for input.	128	DD statement for this access method control block is missing or incorrect.
100	Attention message: OPEN encountered an empty alternate index that is part of an upgrade set.	132	One of the following errors occurred: <ul style="list-style-type: none"> <li>• Not enough storage was available for work areas.</li> <li>• The required volume could not be mounted.</li> <li>• An uncorrectable I/O error occurred while VSAM was reading the job file control block (JFCB).</li> <li>• The format-1 DSCB or the catalog cluster record is incorrect.</li> <li>• The user-supplied catalog name does not match the name on the entry.</li> <li>• The user is not authorized to open the catalog as a catalog.</li> </ul>
104	Attention message: the time stamp of the volume on which a data set is stored doesn't match the system time stamp in the volume record in the catalog; this indicates that extent information in the catalog record may not agree with the extents indicated in the volume's VTOC.		
108	Attention message: the time stamps of a data component and an index component do not match; this indicates that either the data or the index has been updated separately from the other. Check for possible duplicate VVRs.	136	Not enough virtual-storage space is available in the program's address space for work areas, control blocks, or buffers.
110	Attention message: JRNAD exit was not specified on the first ACB opened for the data set. Processing continues without journaling.	140	The catalog indicates this data set has an incorrect physical record size.
116	Attention message: the data set was not properly closed or was not opened. If the data set was not properly closed, then data may be lost if processing continues. Use the access method services VERIFY command to attempt to close the data set properly. See <i>z/OS DFSMS Access Method Services</i> for a description of the VERIFY command. In a cross-system shared DASD environment, a return code of 116 can have two meanings: <ul style="list-style-type: none"> <li>• The data set was not properly closed.</li> <li>• The data set is opened for output on another processor.</li> </ul> <p><b>Note:</b> If you use the VERIFY command, this message can appear again when VERIFY processing opens the data set. If VERIFY processing then successfully closes the data set, VERIFY processing issues condition code 0 at the end of</p>	144	An uncorrectable I/O error occurred while VSAM was reading or writing a catalog record.
		145	An uncorrectable error occurred in the VSAM volume data set (VVDS).
		148	No record for the data set to be opened was found in the available catalog(s), or an unidentified error occurred while VSAM was searching the catalog.
		152	Security verification failed; the password specified in the access-method control block for a specified level of access doesn't match the password in the catalog for that level of access; user is not authorized to access this file.
		160	The operands specified in the ACB or GENCB macro are inconsistent with each other or with the information in the catalog record. This error can also occur when the VSAM cluster being opened is empty.

- Improved control interval processing (ICIP) was specified for an extended format data set will also result in this error.
- For more information on this return code, see *z/OS DFSMSdfp Diagnosis Reference*.
- 164** An uncorrectable I/O error occurred while VSAM was reading the volume label.
  - 168** The data set is not available for the type of processing specified, or an attempt was made to open a reusable data set with the reset option while another user had the data set open.
  - 176** An error occurred while VSAM was attempting to fix a page of virtual storage in central storage.
  - 180** A VSAM catalog specified in JCL either does not exist or is not open, and no record for the data set to be opened was found in any other catalog.
  - 184** An uncorrectable I/O error occurred while VSAM was completing an I/O request.
  - 188** The data set indicated by the access-method control block is not of the type that may be specified by an access-method control block.
  - 190** An incorrect high-allocated RBA was found in the catalog entry for this data set. The catalog entry is bad and will have to be restored.
  - 192** An unusable data set was opened for output.
  - 193** The interrupt recognition flag (IRF) was detected for a data set opened for output processing.
  - 194** Direct access of a compressed data component is not allowed.
  - 195** An attempt was made to open a VSAM Extended Addressable data set on a release other than DFSMS/MVS 1.30.
  - 196** Access to data was requested through an empty path.
  - 200** Volume is unusable.
  - 204** The ACB MACRF specification is GSR and caller is not operating in supervisor protect key 0 to 7, or the ACB MACRF specification is CBIC (control blocks in common) and caller is not operating in supervisor state with protect key 0 to 7.
  - 205** The ACBCATX option or VSAM Volume data set OPEN was specified and the calling program was not authorized.
  - 208** The ACB MACRF specification is GSR and caller is using a VS1 system.
  - 212** The ACB MACRF specification is GSR or LSR and the data set requires create processing.
  - 216** The ACB MACRF specification is GSR or LSR and the key length of the data set exceeds the maximum key length specified in BLDVRP.
  - 220** The ACB MACRF specification is GSR or LSR and the data set's control interval size exceeds the size of the largest buffer specified in BLDVRP.
  - 224** Improved control interval processing is specified and the data set requires create mode processing.
  - 228** The ACB MACRF specification is GSR or LSR and the VSAM shared resource table (VSRT) does not exist (no buffer pool is available).
  - 232** Reset (ACB MACRF=RST) was specified for a nonreusable data set and the data set is not empty.
  - 236** Indicates a stage or destage error.
  - 240** Format-4 DSCB and catalog time stamp verification failed during volume mount processing for output processing.
  - 244** The volume containing the catalog recovery area was not mounted and verified for output processing.
  - 245** The ESCON channel is required to process an extended format data set.
  - 246** The compression management services (CMS) open function failed.
- For a Logical I/O Error*
- 4** End of data set encountered (during sequential retrieval), or the search argument is greater than the high key of the data set. Either no EODAD routine is provided, or one is provided and it returned to VSAM and the processing program issued another GET.
  - 8** You attempted to store a record with a

- duplicate key, or there is a duplicate record for an alternate index with the unique key option.
- 12** You attempted to store a record out of ascending key sequence in skip-sequential mode; record had a duplicate key; for skip-sequential processing, your GET, PUT, and POINT requests are not referencing records in ascending sequence; or, for skip-sequential retrieval, the key requested is lower than the previous key requested. For shared resources, buffer pool is full.
- 16** Record not found.
- 20** Record already held in exclusive control by another requester.
- 24** Record resides on a volume that cannot be mounted.
- 28** Data set cannot be extended because VSAM cannot allocate additional direct-access storage space. Either there is not enough space left to make the secondary allocation request, you attempted to increase the size of a data set while processing with SHROPT=4 and DISP=SHR, or the index CI is not large enough to hold the entire CA. This error could also be due to a data set trying to extend beyond 4GB on a system that does not support extended addressability.
- 32** An RBA specified that does not give the address of any data record in the data set.
- 36** Key ranges were specified for the data set when it was defined, but no range was specified that includes the record to be inserted.
- 40** Insufficient virtual storage in the user's address space to complete the request.
- 44** Work area not large enough for the data record (GET with OPTCD=MVE).
- 56** At the beginning of CI or CA split for backup while open (BWO), an error was detected in catalog update processing.
- 64** As many requests are active as the number specified in the STRNO parameter of the ACB macro; therefore, another request cannot be activated.
- 68** An attempt was made to use a type of processing (output or control-interval) that was not specified when the data set was opened.
- 72** You made a keyed request for access to an entry-sequenced data set, or you issued a GETIX or PUTIX to an entry-sequenced or relative record data set.
- 76** You issued an addressed or control-interval PUT to add to a key-sequenced data set, or you issued a control-interval PUT to a relative record data set.
- 80** You issued an ERASE request for access to an entry-sequenced data set, or you issued an ERASE request for access to an entry-sequenced data set via a path.
- 84** OPTCD=LOC specified for a PUT request or in a request parameter list in a chain of request parameter lists.
- 88** You issued a sequential GET request without having caused VSAM to be positioned for it, or you changed from addressed access to keyed access without causing VSAM to be positioned for keyed-sequential retrieval; there was no positioning established for sequential PUT insert for a relative record data set, or you attempted an incorrect switch between forward and backward processing.
- 92** You issued a PUT for update or an ERASE without a previous GET for update or a PUTIX without a previous GETIX.
- 96** An attempt was made to change the prime key or key of reference while making an update.
- 100** An attempt was made to change the length of a record while making an addressed update.
- 104** The RPL options are either incorrect or conflicting in one of the following ways:
1. SKP was specified and either KEY was not specified or BWD was specified.
  2. BWD was specified for CNV processing.
  3. FWD and LRD were specified.
  4. Neither ADR, CNV, nor KEY was specified in the RPL.
  5. WRTBFR, MRKBFR, or SCHBER was issued was issued, but either



	TRANSID was greater than 31 or the shared resource option was not specified.	140	Inconsistent spanned record.
6.	ICI processing was specified, but a request other than a GET or a PUT was issued.	144	Incorrect pointer (no associated base record) in an alternate index.
7.	MRKBFR MARK=OUT or MARK=RLS was issued, but the RPL did not have a data buffer associated with it.	148	The maximum number of pointers in the alternate index has been exceeded.
8.	The RPL specified WAITX, but the ACB did not specify LSR or GSR.	152	Not enough buffers are available to process your request (shared resources only).
108	The RECLen specified was larger than the maximum allowed, equal to 0, or smaller than the sum of the length and the displacement of the key field of the base cluster or related alternate index (AIX). The RECLen was not equal to the slot size specified for a relative record data set.	156	An addressed GET UPD request failed because the control interval flag was on, or an incorrect control interval was detected during keyed processing. In the latter case, the control interval is incorrect for one of the following reasons: <ol style="list-style-type: none"> <li>1. A key is not greater than the previous key.</li> <li>2. A key is not in the current control interval.</li> <li>3. A spanned record RDF is present.</li> <li>4. A free space pointer is incorrect.</li> <li>5. The number of records does not match a group RDF record count.</li> <li>6. A record definition field is incorrect.</li> <li>7. An index CI format is incorrect.</li> </ol>
112	KEYLEN specified was too large or equal to 0.	160	One or more candidates were found with a modified buffer marked to be written. The buffer was left in write status with valid contents. With this condition, it is possible to have other buffers invalidated or found under exclusive control.
116	During initial data set loading (that is, when records are being stored in the data set the first time it's opened), GET, POINT, ERASE, direct PUT, and skip-sequential PUT with OPTCD=UPD are not allowed. During initial data set loading, VERIFY is not allowed except for an entry-sequenced data set (ESDS) defined with the RECOVERY option. For initial loading of a relative record data set, the request was other than a PUT insert.	192	Incorrect relative record number.
120	The request was operating under an incorrect TCB. For example, an end-of-volume call or a GETMAIN would have been necessary to complete the request, but the request was issued from a job step other than the one that opened the data set. The request can be resubmitted from the correct task if the new request reestablishes positioning.	196	You issued an addressed request to a relative record data set.
124	A request was cancelled for a user JRNAD exit.	200	You attempted addressed or control-interval access through a path.
128	A loop exists in the index horizontal pointer chain during index search processing.	204	PUT insert requests are not allowed in backward mode.
132	An attempt was made in locate mode to retrieve a spanned record.	208	The user has issued an ENDREQ macro instruction against an RPL that has an outstanding WAIT against the ECB associated with the RPL. This can occur when an ENDREQ is issued from a STAE or ESTAE routine against an RPL that was started before the ABEND. No ENDREQ processing has been done.
136	You attempted an addressed GET of a spanned record in a key-sequenced data set.	212	Unable to split index; increase index CI size.
		216	Incorrect parameter list passed to

- SVC 109 by ACQRANGE, CNVTAD, and MNTACQ macros (return code = 36).
- 217** Incorrect AMBL detected by SVC 109 called by ACQRANGE, CNVTAD, and MNTACQ macros (return code = 40).
- 218** Unrecognizable return code from SVC 109.
- 224** MRKBFR OUT was issued for a buffer with incorrect contents.
- 228** Caller in cross-memory mode is not in supervisor state or RPL of caller in SRB or cross-memory mode does not specify SYN processing.
- 229** The record length changed during decompression processing of a compressed data set.
- 232** UPAD error. ECB was not posted by user in cross-memory mode.
- 236** Validity check error for SHAREOPTIONS 3 or 4.
- 240** For shared resources, one of the following is being performed:
1. An attempt is being made to obtain a buffer in exclusive control.
  2. A buffer is being invalidated.
  3. The buffer use chain is changing.
- For more detailed feedback, reissue the request.
- 244** Register 14 stack size is not large enough.
- 245** A severe error was detected by the compression management services (CMS) during compression processing.
- 246** A severe error was detected by the compression management services (CMS) during decompression processing.
- 248** Register return offset went negative.
- 250** A valid dictionary token does not exist for the compressed data set. The data record cannot be decompressed.
- 252** Record mode processing is not allowed for a linear data set.
- 253** VERIFY is not a valid function for a linear data set.
- 254** I/O activity on the data set was not quiesced before the data set was closed.

**Note:** See *z/OS DFSMS Macro Instructions for Data Sets* for additional information on the return codes.

**System Action:** The action depends on the function being processed. See the message in the program listing following this message.

**Application Programmer Response:** Correct the cause of the error.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01, IDCIO02, IDCIO03

---

**IDC3380I FILE *ddname* MUST SPECIFY A DEMOUNTABLE UNIT**

**Explanation:** The unit for the file defined by the DD statement with the name indicated was not assigned for exclusive control. Volumes cannot be mounted or demounted on this unit. Either the volume allocated by the DD statement was already mounted when the statement was processed, or the correct parameters were not specified on the DD statement.

In the message text:

*ddname*

The DD name.

**System Action:** The system ends the job.

**Application Programmer Response:** Run the job again after demounting the volume. This causes the device to be assigned for exclusive control while the job or step is running.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCIO01, IDCIO02, IDCIO03, IDCRS06

---

**IDC3383I FILE *ddname* MUST SPECIFY A VIRTUAL UNIT**

**Explanation:** The DD statement specified through the FILE parameter does not specify a virtual unit but a virtual unit is required.

In the message text:

## IDC3384I • IDC3436I

*ddname*

The DD name.

**System Action:** The system ends the command.

**Application Programmer Response:** Correct the UNIT parameter. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA06

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### IDC3384I FILE *ddname* SPECIFIED AN INVALID UNIT FOR FUNCTION REQUESTED

**Explanation:** The direct access storage unit, specified on the DD statement through the FILE parameter, is not supported by this function. The unit is not a direct access device or, if DASD, is not a 3330 or 3330V.

In the message text:

*ddname*

The DD name.

**System Action:** The system ends the command.

**Application Programmer Response:** Correct the UNIT parameter. Run the command again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA06

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### IDC3385I VOLUME *ser* IS PERMANENTLY RESIDENT OR RESERVED

**Explanation:** The volume is marked permanently resident or reserved in the unit control block (UCB). Therefore, the volume cannot be demounted. The volume needs to be demounted either to perform a Mass Storage Control (MSC) function or so that the proper volume can be mounted on that unit.

In the message text:

*ser*

The volume serial number.

**System Action:** The system ends processing.

**Application Programmer Response:** Ensure that the DD statement named in the FILE parameter specifies

the correct volume serial. You might have mistakenly specified the volume serial of a permanently resident or reserved volume. If the DD statement does have the correct volume serial, then you cannot run the command while that volume is permanently resident or reserved.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

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### IDC3392I NO UNIT AVAILABLE FOR VOLUME *volser*

**Explanation:** The TEST enqueue indicates that the volume is allocated to a job step, but no unit is available for mounting the volume. All units that have open virtual storage access method (VSAM) catalogs are non-shareable and cannot be used.

In the message text:

*volser* The volume serial number.

**System Action:** The system ends the job.

**Application Programmer Response:** Either change the disposition of your data set to share or run the job again when a non-shareable unit is available.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA06

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### IDC3435I CARTRIDGE NOT EJECTED, EXIT STATION FULL

**Explanation:** A request was made to eject a cartridge from the cartridge access station, but the cartridge access station was already full.

**System Action:** The system ends the MODIFYC command. The cartridge remains in its original location in the cartridge store.

**Application Programmer Response:** Have the operator empty the cartridge access station and run the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA06

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### IDC3436I CARTRIDGE TO BE MODIFIED COULD NOT BE LOCATED

**Explanation:** The request to modify a cartridge failed because the cartridge could not be found.

**System Action:** The system ends the MODIFYC command.

**Application Programmer Response:** Check the input parameters of the MODIFYC command for errors. If any errors are found, correct the input. Run the command again. If errors cannot be found, one of the following commands can be run to help determine where the cartridge is and what the cartridge status is.

The command is:

- LISTMSF command if the cartridge is a scratch cartridge.
- LISTMSVI command if the cartridge is part of a mass storage volume.
- AUDITMSS command if the cartridge to be modified was requested by using the CELL parameter.

If the cartridge still cannot be located, see Problem Determination.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

#### **IDC3437I      ACCESSED CELL IS EMPTY OR THE DESTINATION CELL IS FULL**

**Explanation:** The attempt to modify a cartridge failed because the home cell where the cartridge was supposed to be was empty, or an attempt to reassign a cartridge to a new location failed because the new location is already occupied.

**System Action:** The system ends the MODIFYC command.

**Application Programmer Response:** Check the input parameters of the MODIFYC command for errors. If errors are found, correct them and submit the command again. If errors cannot be found, do the following:

1. Run the MODIFYC command again unchanged because the cartridge that was requested might have been at a data recording device when the initial request was processed. If the same error occurs, one of the following commands can be run to help determine the nature of the error. If the home cell location is not known, the commands LISTMSF for scratch cartridges or LISTMSVI for cartridges that are part of volumes, can be run to determine the home cell location. The AUDITMSS command can then be run against the found cell location and the new location specified in the TO parameter to determine the status of the cells.
2. Correct any errors that were found in Step 1. Run the MODIFYC command again.
3. If the above actions do not correct the problem, see the Problem Determination.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

#### **IDC3438I      ACCESSED OR DESTINATION CELL ADDRESS IS INVALID FOR THIS MSF**

**Explanation:** The accessed or destination cell address is specified incorrectly. Either the Mass Storage Facility is incorrectly identified or the cell address parameter did not follow the rules of specification for each model of a Mass Storage Facility.

**System Action:** The MODIFYC command ends. The return code is 12.

**Application Programmer Response:** Examine the input parameters of the MODIFYC command. Ensure that the parameters are consistent with the Mass Storage System requirements for each model of a Mass Storage Facility. Correct any errors in the input parameters and rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCRC01

#### **IDC3500I      A VALID VSAM DEFINE STRUCTURE WAS NOT PROVIDED**

**Explanation:** The object parameter list was not specified properly. The access method services reader/interpreter should have detected this error.

**System Action:** The command is ended.

**System Programmer Response:** Probable system error. See *z/OS DFSMS Access Method Services* for the valid specification. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE03

#### **IDC3501I      MODEL ENTYP IS NOT CONSISTENT WITH THE OBJECT BEING DEFINED**

**Explanation:** The object being used to model a VSAM data set or user catalog differs from that being defined.

**System Action:** The command is ended.

**Application Programmer Response:** Probable user error. Ensure that the model object type is identical to that being defined.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

## IDC3503I • IDC3513I

Detecting Module: IDCDE02

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### IDC3503I FILE SEQUENCE LIST IS INCONSISTENT WITH VOLUME LIST

**Explanation:** The number of elements in the FILESEQUENCENUMBERS parameter list is not equal to the volumes in the VOLUMES parameter list.

**System Action:** The command is ended.

**Application Programmer Response:** Probable user error. Check the elements in both lists, and make corrections where needed.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE02

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### IDC3504I THE RANGE LIST CANNOT BE CONSTRUCTED

**Explanation:** In the construction of the RANGE LIST, the allotted area was not sufficient.

**System Action:** The command is ended.

**Application Programmer Response:** Possible system error. Rerun the job with the PARM option--PARM TEST (FULL((DEFN.1.1))); contact your system programmer.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE02

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### IDC3505I INCORRECT SPECIFICATION OF SPACE ALLOCATION

**Explanation:** The space parameters TRACKS, CYLINDER, or RECORDS do not appear on the appropriate object parameter list.

**System Action:** The command is ended.

**Application Programmer Response:** Probable user error. See the DEFINE command and space specifications in *z/OS DFSMS Access Method Services*.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

Detecting Module: IDCDE01

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### IDC3506I A REQUIRED VOLUME OR DEVT LIST HAS BEEN OMITTED

**Explanation:** The VOLUMES parameter does not appear in the command when required.

**System Action:** The command is ended.

**Application Programmer Response:** Probable user error. A volume list must be available to DATA and INDEX objects (the INDEX object appears only if the data set is KSDS). The availability may be through explicit specification of volumes, via propagation of volumes from the Cluster parameter list or from the model object.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01

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### IDC3507I THE RECORDSIZE PARAMETER IS REQUIRED BUT NOT SPECIFIED

**Explanation:** The RECORDSIZE parameter must be specified when defining VSAM space and the allocation unit is records.

**System Action:** The command is ended.

**Application Programmer Response:** Probable user error. Specify RECORDSIZE and resubmit the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01

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### IDC3513I DYNAMIC ALLOCATION FAILED OR FILE NOT CODED WHEN REQUIRED

**Explanation:** FILE was specified in a utility command and the ddname was not found.

**System Action:** The command is ended.

**Application Programmer Response:** See if the ddname on the FILE parameter is the same as the corresponding dd statement ddname.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01



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**IDC3514I      KEYRANGES ARE INVALID**

**Explanation:** The KEYRANGES parameter (DEFINE or IMPORT command) specified incorrect key values for the low or high key values:

- The high key value is lower than the low key value in a low-key high-key pair.
- Two or more low-key high-key pairs overlap, or are identical.

**System Action:** The command is ended.

**Application Programmer Response:** Correct the KEYRANGES specifications.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE02

IDCMP01

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**IDC3515I      AVERAGE RECORD SIZE EXCEEDS  
MAXIMUM RECORD SIZE**

**Explanation:** The first size value of the RECORDSIZE parameter is greater than the second.

**System Action:** Processing for the command is ended.

**Application Programmer Response:** Correct either the average or the maximum size value.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE02

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**IDC3516I      KEYS PARAMETER REQUIRED FOR  
KEY SEQUENCED DATA SET**

**Explanation:** The definition of a KSDS requires the specification of the key position and length, via the KEYS parameter.

**System Action:** Processing for the command is ended.

**Application Programmer Response:** Correct the DEFINE command.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01

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**IDC3517I      AVG AND MAX RECORDSIZE NOT  
EQUAL FOR RELATIVE RECORD DATA  
SET**

**Explanation:** The RECORDSIZE parameter specified average and maximum record sizes that were not equal. Relative record data sets must have fixed-length records.

**System Action:** The command is ended.

**Application Programmer Response:** Correct either the average or the maximum size value.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE02

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**IDC3518I      REUSE PARAMETER INVALID WITH  
UNIQUE OR KEYRANGES**

**Explanation:** The REUSE attribute may not be specified for a cluster or an alternate index together with the UNIQUE or KEYRANGES parameter, either explicitly or implicitly thru use of the MODEL parameter.

**System Action:** The command is ended.

**Application Programmer Response:** Correct the command by deleting either the REUSE or the UNIQUE and/or KEYRANGES parameter; then rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01

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**IDC3519I      REUSE ATTRIBUTE CONFLICT  
BETWEEN DATA AND INDEX**

**Explanation:** The REUSE attribute was not the same for the data and index objects. Examples:

1. NOREUSE is specified at the cluster level and REUSE is specified at the data level with nothing specified at index level resulting in index defaulting to NOREUSE.
2. Modeling at the cluster level and explicitly overriding model attributes at data or index level but not both.

**System Action:** The command is ended.

**Application Programmer Response:** Redefine the object ensuring that data and index REUSE attributes are in harmony.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01

---

**IDC3521I      SPANNED ATTRIBUTE INVALID FOR A  
RELATIVE RECORD DATA SET**

**Explanation:** SPANNED and NUMBERED were specified together, either explicitly or through use of the MODEL parameter. Records of an RRDS may not span control intervals.

**System Action:** The command is ended.

**Application Programmer Response:** Correct the SPANNED parameter or the data set type specification.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01

**IDC3522I      SPANNED ATTRIBUTE REQUIRED FOR  
RECORDSIZE GREATER THAN 32,761**

**Explanation:** The RECORDSIZE parameter specifies a maximum size greater than 32,761, but SPANNED is not specified.

**System Action:** The command is ended.

**Application Programmer Response:** Correct the RECORDSIZE parameter, or specify the SPANNED parameter.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01

**IDC3523I      GENERATION DATA GROUP NAME  
EXCEEDS 35 CHARACTERS**

**Explanation:** The name specified for a generation data group cannot exceed 35 characters.

**System Action:** The command is ended.

**Application Programmer Response:** Shorten the generation data group name and rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE02

**IDC3524I      KEYRANGE VALUES EXCEED  
KEYLENGTH OR ARE NOT IN  
ASCENDING ORDER**

**Explanation:** This message is issued by DEFINE when the key values of the KEYRANGE parameter are specified incorrectly. Either a key range key value was longer than the user specified/defaulted key length or the key range pairs were in nonascending order.

**System Action:** The command is ended.

**Application Programmer Response:** Examine the key range values on the DEFINE command. Determine what the key length will be for the data set and insure that all key values specified in the KEYRANGE parameter are no longer than this length. Also, insure that key range pairs are ordered in ascending sequence. Then resubmit the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCDE01, IDCDE02

**IDC3525I      INSUFFICIENT SECURITY  
AUTHORIZATION TO ALTER KEYS**

**Explanation:** The level of password supplied was not high enough or the RACF authorization was insufficient to permit the ALTER to occur. To modify KEY values, the master password of the cluster, alternate index, or path is needed or, alternatively, the catalog master password could be supplied. Since both the data and index components will be altered, if one component is

password-protected and the other is not, the master password of the protected component is sufficient.

**System Action:** Processing of the command is ended.

**Application Programmer Response:** Supply the proper level password or have your RACF profile altered to the required level of access. Rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

**IDC3527I      ALTER WAS UNABLE TO LOCATE  
ATTRIBUTES OF OBJECT TO BE  
MODIFIED**

**Explanation:** The entry to be modified could not be found in the catalog.

**System Action:** The command is ended.

**Application Programmer Response:** Verify that the catalog entry exists and the catalog being used is proper.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

**IDC3528I      THE OBJECT TO BE MODIFIED IS  
PASSWORD SUPPRESSED**

**Explanation:** The MASTERPW password of the entry or the UPDATEPW or higher level catalog password must be supplied for modifications to be allowed to the entry.

**System Action:** The command is ended.

**Application Programmer Response:** Verify which password is required and provide the password.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

**IDC3529I      NAME CREATED FROM GENERIC  
NEWNAME IS LONGER THAN 44  
CHARACTERS**

**Explanation:** The access method services ALTER command issues this message when it is asked to rename data sets using a generic name, and one of the resulting new data set names is longer than 44 characters.

**System Action:** The command is ended.

**Application Programmer Response:** Correct the error and rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3530I    ENTRY AND NEWNAME PDS NAMES  
MUST BE THE SAME**

**Explanation:** An attempt was made to rename PDS member but the entry name and the new name referenced different partitioned data set names.

**System Action:** Processing continues.

**Application Programmer Response:** Make sure that the same PDS name is given in both the entry name and new name parameters.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3531I    *dsname* IS A RLS DATA SET WHICH IS  
INCOMPATIBLE WITH THIS LEVEL OF  
DFSMS**

**Explanation:** The data set specified on an IDCAMS ALTER NEWNAME command is a RLS data set and cannot be altered on this level of DFSMS.

In the message text:

*dsname* The data set name.

**System Action:** The system stops processing the command.

**Application Programmer Response:** Run command on appropriate level of DFSMS.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL02

---

**IDC3536I    INVALID USE OF \* WITH THE  
NEWNAME PARAMETER**

**Explanation:** If either the ENTRYNAME or NEWNAME parameter specifies a generic name (\*), then both must.

**System Action:** The command is ended.

**Application Programmer Response:** Ensure that both the ENTRYNAME and NEWNAME parameters specify a generic name if either do.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3537I    INVALID ALTERNATE INDEX  
PARAMETERS SPECIFIED**

**Explanation:** Either UPGRADE is specified but the object being altered is not an alternate index, or UNIQUEKEY is specified but the data object being altered is not the data object of an alternate index.

**System Action:** The command is ended.

**Application Programmer Response:** Correctly specify the name of an alternate index, or the data object name of an alternate index.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3538I    UNIQUEKEY/UPGRADE INVALID FOR  
NON-EMPTY ALTERNATE INDEX**

**Explanation:** The UNIQUEKEY or UPGRADE parameter is specified, but the alternate index is non-empty. These parameters may only be specified if the alternate index contains no records.

**System Action:** The command is ended.

**Application Programmer Response:** If UNIQUEKEY/UPGRADE alternate index is truly desired, the alternate index must be deleted and redefined with proper attributes, then rebuilt with BLDINDEX.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3539I    KEYS AND/OR RECORDSIZE  
PARAMETER SPECIFIED FOR  
NON-EMPTY OBJECT**

**Explanation:** The ALTER command specified the KEYS or RECORDSIZE parameter, but the cluster or alternate index contains data records.

**System Action:** The object's catalog entry is not altered.

**Application Programmer Response:** If you want to change key position and/or record size, you must delete, redefine, and reload the object.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3540I      KEYS/RECORDSIZE VALUES  
CONFLICT WITH CONTROL INTERVAL  
SIZE**

**Explanation:** The new key length, key position, or maximum record size is such as to require a larger control interval.

**System Action:** The object's catalog entry is not altered.

**Application Programmer Response:** Delete and redefine the object with the proper KEYS and RECORDSIZE parameters.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3541I      NEW ALTERNATE INDEX KEY VALUES  
CONFLICT WITH BASE CLUSTER  
RECORDSIZE**

**Explanation:** The ALTER command for an alternate index specifies a KEYS parameter for a key whose ending position is outside the base cluster's maximum record size. If the base cluster is spanned, the ending key position must be in the base cluster's first control interval.

**System Action:** The object's catalog entry is not altered.

**Application Programmer Response:** Correct the ALTER command or correct the base cluster's maximum record size or control interval size.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3542I      AVG AND MAX RECORDSIZE NOT  
EQUAL FOR RELATIVE RECORD DATA  
SET**

**Explanation:** The RECORDSIZE parameter specified average and maximum record sizes that were not equal. Relative record data sets must have fixed-length records.

**System Action:** Processing of the command is ended.

**Application Programmer Response:** Correct either the average or the maximum size value.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3545I      KEYS AND/OR RECORDSIZE VALUES  
CANNOT BE ALTERED**

**Explanation:** The ALTER command specified new KEYS or maximum RECORDSIZE values for an object whose corresponding values were specified when the

object was defined, or which have been altered to non-default values.

**System Action:** The object's catalog entry is not altered.

**Application Programmer Response:** Delete and correctly redefine the object.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3546I      NEW KEY VALUES CONFLICT WITH  
RECORDSIZE**

**Explanation:** The ALTER command specifies a KEYS parameter that defines a key whose ending position is outside the maximum recordsize.

**System Action:** Processing of the command is ended.

**Application Programmer Response:** Specify key length and position such that the key is entirely contained in the base cluster record.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3547I      ENTRY TYPE INVALID WITH  
KEYS/RECORDSIZE PARAMETER**

**Explanation:** The entry name specified is not the data component of a cluster or alternate index, nor is it a cluster or alternate index, nor is it a path over a cluster or alternate index.

**System Action:** The entry's catalog data is not altered. Processing of the command is ended.

**Application Programmer Response:** Correct the entry name and rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL01

---

**IDC3558I      FORCE OPTION IS INVALID FOR  
ENTRY TYPE**

**Explanation:** The FORCE option on the DELETE command can be used to delete only data spaces, generation data groups, and VSAM user catalogs, but the FORCE option was specified on a DELETE command for some other type of entry.

**System Action:** The DELETE command is not run. Processing continues.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

---

---

**IDC3568I (xxx) INVALID USE OF \***

**Explanation:** The level name starts or ends with an \*, which is not allowed.

In the message text:

xxx      The indicated level name.

**System Action:** The command is ended.

**Application Programmer Response:** Correct the level name and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLC01

---

**IDC3570I DELIMITERS MUST NOT BE SPECIFIED WHEN RELOADING A CATALOG**

**Explanation:** REPRO command delimiters (FROMKEY, TOKEY, etc.) cannot be specified for reloading a catalog.

**System Action:** The command is ended.

**Application Programmer Response:** Remove delimiters from the REPRO command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRP01

---

**IDC3572I TARGET CATALOG IS TOO SMALL TO CONTAIN THE BACKUP CATALOG**

**Explanation:** The size of the target catalog is inadequate.

**System Action:** The command is ended.

**Application Programmer Response:** Determine size of the backup catalog from LISTCAT output obtained at the time of the unload. Redefine the target catalog with adequate space to contain the low key range of the catalog.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRP01

---

**IDC3573I text**

**Explanation:** *text* is one of the following:

NAME OF BACKUP AND TARGET CATALOG DO NOT AGREE

VOLSER OF BACKUP AND TARGET CATALOG DO NOT AGREE

DEVTYP OF BACKUP AND TARGET CATALOG DO NOT AGREE

The target catalog name, its volume serial number, and/or the device type do not agree with the backup.

**System Action:** The command is ended.

**Application Programmer Response:** Check whether you are reloading from the proper backup into the intended catalog.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRP01

---

**IDC3576I ALTER CATALOG NAME FOR *dsname* FAILED**

**Explanation:** During REPRO copy of a catalog entry record, from one ICF catalog to another, an attempt was made to update the catalog pointer in the corresponding VVR record. This update processing for *dsname* failed.

In the message text:

*dsname*

The data set name.

**System Action:** Processing is ended.

**Application Programmer Response:** Resolve problem described by preceding message(s), restore volumes and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRP01

---

**IDC3577I TARGET CATALOG IS NOT EMPTY**

**Explanation:** During a REPRO copy of an ICF catalog, a non-empty target catalog has been found. An empty catalog should contain only the following:

- Catalog Sphere Record
- Catalog Data Component Truename Record
- Catalog Index Component Truename Record



## IDC3578I • IDC3582I

- VVDS Sphere Record (maybe)

An additional record has been found.

**System Action:** Processing is ended.

**Application Programmer Response:** Use the PRINT command to display the contents of the target catalog. If it contains more than the expected records redefine the catalog and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCRP01

---

### IDC3578I SOURCE AND TARGET CATALOG ARE SAME

**Explanation:** During an ICF catalog REPRO copy request, it has been determined that the ICF catalog names, identified by the INFILE/INDATASET and OUTFILE/OUTDATASET parameters, specify the same name. This implies a copy to itself and is not allowed.

**System Action:** Processing is ended.

**Application Programmer Response:** Correct the source or target catalog specification and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCRP01

---

### IDC3579I SOURCE CATALOG LRECL IS LARGER THAN TARGET CATALOG LRECL

**Explanation:** Before an ICF catalog copy operation, the LRECL of the source catalog has been compared to that of the target catalog. It has been determined that the source catalog LRECL value is larger than the target LRECL value and thus records in the source catalog may not fit in the target catalog.

**System Action:** Processing is ended.

**Application Programmer Response:** Review the attributes of the target catalog and redefine it with an LRECL value equal to or greater than that of the source catalog. Rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCRP01

---

### IDC3580I *dsname* DOES NOT SPECIFY A BASE OBJECT

**Explanation:** During a REPRO ICF catalog merge operation, catalog entry *dsname* was found to identify:

- An entry for an object other than
  - a cluster
  - a non-VSAM
  - a GDG
  - a user catalog
- A VVDS name
- The source catalog name

In the message text:

*dsname*

The data set name.

**System Action:** Processing is ended.

**Application Programmer Response:** Correct the ENTRIES specification and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCRP01

---

### IDC3581I REPRO OF CATALOGS CANNOT SPECIFY DELIMITERS

**Explanation:** The REPRO command does not process beginning and ending delimiters when you are copying catalogs.

**System Action:** The command is ended.

**Application Programmer Response:** Remove the incorrect parameters from the command and rerun job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCRP01

---

### IDC3582I INPUT DATA SET ORGANIZATION INCOMPATIBLE WITH OUTPUT DATA SET

**Explanation:** When you attempt to copy information from one data set into another, this error condition occurs when one of the following is true:

- the source is a non-relative record data set and the target is a non-empty relative record data set that is not specified for reuse; or
- one data set is linear and the other data set is non-linear. The LRECL of the physical sequential data set is not equal to the CISIZE of the linear data set.

**System Action:** The command is ended.

**Application Programmer Response:** Check the status of the input and output data sets. REPRO is unable to satisfy your request. Set up data sets correctly and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCPR01

#### IDC3583I    '*prm*' INCOMPATIBLE WITH INFILE DATA SET TYPE

**Explanation:** The specified parameter is not correctly used with this type data set. A conflict results between delimiters and the data set type. An example is specifying the TOKEY parameter with an relative-record data sets.

In the message text:

*prm*      The specified parameter.

**System Action:** The command is ended.

**Application Programmer Response:** Correct the parameters or data set specified and rerun.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCPR01

IDCRP01

#### IDC3584I    RECOVERABLE CATALOGS CANNOT BE COPIED

**Explanation:** A REPRO command specified a VSAM catalog copy operation where either the input catalog or the output catalog or both was defined with the RECOVERABLE attribute. Neither the source or target catalog can be recoverable in a catalog copy operation.

**System Action:** The command is ended.

**Application Programmer Response:** To convert a

unrecoverable catalog into a recoverable catalog, you must export each VSAM data set from the unrecoverable catalog, then import it into the newly defined recoverable catalog. To convert a recoverable catalog into a unrecoverable catalog or to copy a recoverable catalog into a recoverable catalog, you can either export each VSAM data set from the source catalog and then import it into the target catalog or use the EXPORTRA/IMPORTRA commands to accomplish the same thing on a volume basis.

**Source:** DFSMSDfp

**Detecting Module:** IDCPR01

#### IDC3585I    *dsname* IS INVALID FOR {ENCIPHER|DECIPHER}

**Explanation:** The data set is not a valid source or target for an ENCIPHER or DECIPHER operation. The data is incorrect for one of the following reasons:

- ENCIPHER was specified and the source is a VSAM catalog.
- ENCIPHER was specified and the target is not a SAM or VSAM ESDS (entry-sequenced data set) data set.
- DECIPHER was specified and the target is a VSAM catalog.
- DECIPHER was specified and source is not a SAM or VSAM ESDS data set.

In the message text:

*dsname*  
The data set name.

**System Action:** The command is ended.

**Application Programmer Response:** Change the DD statement pointed to by the INFILE or OUTFILE parameter or the data set name specified by the INDATASET or OUTDATASET parameter to specify a data set of the correct type for the operation.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCPR01

#### IDC3586I    CANNOT ENCIPHER RRDS TO TARGET DATA SET

**Explanation:** The source data set for an encipher operation is a VSAM RRDS (relative record data set), but the record size (VSAM) or the logical record length (SAM) of the target data set is not at least 4 bytes greater than the record size of the source RRDS.

**System Action:** The command is ended.

## IDC3587I • IDC3593I

**Application Programmer Response:** Change the DD statement pointed to by the OUTFILE parameter or the data set name specified by the OUTDATASET parameter to specify a target data set with the appropriate record length.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdftp

**Detecting Module:** IDCRP01

---

### IDC3587I UNLOAD/RELOAD NOT ALLOWED FOR CATALOG

**Explanation:** An ICF catalog was identified as the source or target catalog during a REPRO request and the other object identified was a non-VSAM data set. This implies an ICF catalog unload or reload operation and it is not allowed.

**System Action:** Processing is ended.

**Application Programmer Response:** Correct the source and/or target specifications and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdftp

**Detecting Module:** IDCRP01

---

### IDC3588I WRONG CATALOG TYPE FOR MERGECAT PARAMETER

**Explanation:** The MERGECAT parameter has been coded but the source and target catalogs, identified by the INFILE/INDATASET and OUTFILE/OUTDATASET parameters, are not both ICF catalogs.

**System Action:** Processing is ended.

**Application Programmer Response:** Remove the MERGECAT parameter or correct the source and target catalog specifications and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdftp

**Detecting Module:** IDCRP01

---

### IDC3589I VVDS NOT ALLOWED FOR REPRO

**Explanation:** A VVDS has been identified as the source or target object of a REPRO command. The data set identified by the INFILE/INDATASET or OUTFILE/OUTDATASET parameters has the VVDS prefix 'SYS1.VVDS.V'.

**System Action:** Processing is ended.

**Application Programmer Response:** Correct the source or target specifications and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdftp

**Detecting Module:** IDCRP01

---

### IDC3592I THE ENTRY NAME IS NOT A CLUSTER, ALTERNATE INDEX OR ICF CATALOG

**Explanation:** The object identified by the entry parameter in the EXPORT command is not a cluster, alternate index or ICF catalog. Only cluster, alternate index or ICF catalog objects can be exported.

**System Action:** The command is ended. No export action takes place.

**Application Programmer Response:** If a catalog is to be disconnected, DISCONNECT must be specified in the command. Check to be sure your entry name is a cluster, alternate index or ICF catalog object name.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdftp

**Detecting Module:** IDCXP01

---

### IDC3593I A REQUIRED CATALOG FIELD WAS NOT LOCATED

**Explanation:** One of the following required catalog fields could not be located by catalog management: ENTYPE, ENTNAME, or NAMEDS.

**System Action:** The command is ended. No export action takes place.

**Application Programmer Response:** Something is wrong with the catalog entry for this cluster. If this happens, consult your system programmer.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL

and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRX01, IDCCC01, IDCRC02, IDCXP01

#### **IDC3596I THE DATA SET SPECIFIED IN THE EXPORT PARAMETER IS NOT USABLE**

**Explanation:** The data set specified in the EXPORT command has been marked as not usable by a DELETE FORCE operation or by a RESETCAT operation because of space occupancy conflicts.

**System Action:** Processing of the command is ended.

**Application Programmer Response:** This data set cannot be exported under current catalog conditions. If you wish to recover the data, use the REPRO command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCXP01

#### **IDC3598I OBJECT IS A VSAM VOLUME DATA SET WHICH CANNOT BE EXPORTED**

**Explanation:** The object identified by the entry parameter in the EXPORT command is a VSAM volume Data Set which cannot be exported.

**System Action:** The command is ended. No export action takes place.

**Application Programmer Response:** Do not attempt to export a VSAM Volume Data Set.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCXP01

#### **IDC3599I UNABLE TO SERIALIZE ON CATALOG *catname***

**Explanation:** An attempt was made and has failed to serialize the catalog, CNVTCAT or REPRO. The catalog is to be serialized to prevent its update during processing.

In the message text:

*catname*

The catalog name.

**System Action:** The CNVTCAT or REPRO command is ended.

**Application Programmer Response:** You should restrict access to the catalog during this process and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCXP01

#### **IDC3602I IMPORT OF DATA SET FAILED AFTER DEFINE – DELETE ATTEMPTED**

**Explanation:** The cluster or alternate index being imported was defined successfully, but an error occurred before all the data was copied into the newly-defined cluster or alternate index. An attempt is being made to delete the cluster. There is a message preceding this message in the program listing that explains why the import failed (incorrect DD statement, I/O error on portability data set, for instance).

For IMPORTRA, message IDC2621I follows this message and gives the name of the failing cluster or alternate index.

**System Action:** For IMPORT, the command is ended. For IMPORTRA, processing continues with the next object on the portable data set unless an I/O error occurred on the portable data set, in which case the command is ended.

**Application Programmer Response:** Consult the message preceding this message in the program listing.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDXMP01, IDCRM01

#### **IDC3605I INVALID OBJECTS SUBPARAMETER FOR ICF CATALOG**

**Explanation:** The NEWNAME or KEYRANGES parameters, has been specified as a subparameter(s) of the OBJECTS parameter, on an IMPORT command. The portable data set contains an ICF catalog for which these subparameters are incorrect.

**System Action:** IMPORT ends processing.

**Application Programmer Response:** Remove these



## IDC3606I • IDC3610I

subparameters in OBJECTS parameter and rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

---

### IDC3606I      PORTABILITY DATA SET IN ERROR

**Explanation:** The data on the portable data set is not as was expected; specifically, the record preceding the data records for the cluster or alternate index is incorrect. Probable user error.

**System Action:** The command is ended.

**Application Programmer Response:** Ensure that the portable data set to be processed by IMPORT was created by EXPORT, or that a portable data set to processed by IMPORTRA was created by EXPORTRA. If the problem reoccurs, do the problem determination action.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01, IDCRM01

---

### IDC3607I      DELETE UNSUCCESSFUL - NOT A TEMPORARY DATA SET

**Explanation:** The deletion that was to be attempted was not performed. A duplicate name was found in the catalog, and the temporary export flag was not on for the duplicate data set or the data set was not empty.

**System Action:** The command is ended.

**Application Programmer Response:** Change the name, or delete the duplicate cluster if you mean to replace it.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

---

### IDC3608I      CONNECT FOR *dsname* FAILED

**Explanation:** This message merely identifies the name of the user catalog which could not be connected. A message will follow to explain the catalog return code received when attempting to connect the user catalog.

In the message text:

*dsname*

The data set name.

**System Action:** The command is ended.

**Application Programmer Response:** See the message following this message in the program listing.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

---

### IDC3609I      VOLUME SPECIFICATION NEEDED FOR *dsname*

**Explanation:** Volume information could not be found on the portable data set or in the IMPORT command. You are probably trying to import a portable data set from a system using the first release of access method services (OS/VS2 Release 2, OS/VS2 Release 1.6, OS/VS1 Release 2, or DOS/VS Release 29).

In the message text:

*dsname*

The data set name.

**System Action:** The command is ended.

**Application Programmer Response:** If the portable data set was created with the EXPORT PERMANENT option on a system using the first release of access method services (as listed above), you must specify volume information by using the OBJECTS parameter of the IMPORT command. If you specify the cluster name in the *entryname* subparameter of the OBJECTS parameter, the volume information will be propagated to the data component and, for a key-sequenced cluster, it will be propagated to the index component. Volume information may be specified separately for the data and index components by repeating the OBJECTS parameter list, which will override any cluster specification.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01, IDCRM01

---

### IDC3610I      SPECIFICATION OF DEVICE TYPES, VOLUMES REQUIRED FOR CONNECT

**Explanation:** When connecting a user catalog, the DEVICETYPES and VOLUMES parameters, as well as the catalog name, are required.



**System Action:** The command is ended.

**Application Programmer Response:** Specify device types and volumes in the command to connect a user catalog.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

#### IDC3612I DELETE UNSUCCESSFUL - NOT A CLUSTER OR AIX

**Explanation:** An attempt was made to delete the duplicate entry because catalog define of the cluster or alternate index being imported failed due to the existence of a duplicate name in the catalog. A locate performed on the name revealed that the entry was not a cluster or alternate index.

**System Action:** The command is ended.

**Application Programmer Response:** Use the NEWNAME parameter to change the name of the cluster or alternate index you are attempting to import. Do a LISTCAT to see what you really have; what you are trying to import has a conflicting name in the catalog.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

#### IDC3613I ERROR ENCOUNTERED OPENING PORTABILITY DATA SET

**Explanation:** The portability data set could not be opened.

**System Action:** The command is ended.

**Application Programmer Response:** None. The preceding message in the listing explains why the entry data set was not opened.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01, IDCRM01

#### IDC3614I INVALID NAME IN OBJECTS PARAMETER: *obj*

**Explanation:** The name specified in the OBJECT parameter in the IMPORT command does not match any of the object names for the VSAM data set being imported.

In the message text:

*obj* The specified object.

**System Action:** The command is ended.

**Application Programmer Response:** Correct the object name.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

#### IDC3615I DSNAME ON THE OUTFILE JCL STATEMENT INCORRECT

**Explanation:** The cluster or alternate index name of the imported data set does not match the data set name specified in the JCL statement identified by the OUTFILE parameter. The data set name in the JCL statement must be the same as the object being imported or a path over it.

**System Action:** Processing for the command is ended.

**Application Programmer Response:** Correct the data set name specification in the JCL. Note that if the NEWNAME parameter is specified, the specified data set name must be that name specified in this parameter.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

#### IDC3617I ATTRIBUTES OF PREDEFINED ENTRY INCOMPATIBLE WITH THOSE EXPORTED

**Explanation:** The control interval size of the data set being imported into is not equal to the size of the data set exported. The data set being imported into is not consistent with that one which previously exported and now being imported. One of the following things is wrong:

- (a) The relative key positions are not equal.
- (b) The data sets are not of the same type (KSDS, RRDS, ESDS, and LDS).
- (c) The key lengths are not the same.

## IDC3619I • IDC3628I

- (d) The maximum record size of the data set being imported into is less than that of the data set exported.

**System Action:** IMPORT processing is ended.

**Application Programmer Response:** Delete and redefine the predefined data set with proper attributes. Then rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

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### IDC3619I ALTER RENAME FOR IMPORTRA FAILED

**Explanation:** During processing of an IMPORTRA command that specified the OUTFILE parameter, the ALTER operation failed in an attempt to rename the object being imported. Normally, this command alters the name of each VSAM object it defines so it can be opened for loading. The name is changed to the name specified in the JCL, the data set is loaded, and then the name is changed back to the original name.

The reason for the failure in ALTER processing is given in a preceding message. Message IDC2621I follows this message. It gives the real name of the failing object.

**System Action:** Processing of the IMPORTRA command is ended.

**Application Programmer Response:** Determine the reason for the failure of the ALTER, correct the problem, and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRM01

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### IDC3624I UNABLE TO OBTAIN OUTPUT DATA SET NAME

**Explanation:** IMPORTRA was unable to obtain the data set name from the OUTFILE JCL statement. This is probably due to an error in the JCL statement.

**System Action:** Processing is ended.

**Application Programmer Response:** Correct the JCL statement. Ensure that it contains a data set name, volume, unit, DISP=OLD, and the AMP='AMORG' parameter.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRM01

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### IDC3625I 'INTOEMPTY' KEY WORD {REQUIRED}NEEDED TO IMPORT INTO AN EMPTY DATA SET}

**Explanation:** A duplicately named empty data set was encountered while attempting to perform the import. The loading of this data set with the data of the portable data set was not allowed to occur because the user did not specify the INTOEMPTY key word. As a security precaution, the system does not allow imports into an empty data set unless the INTOEMPTY key word has been specified.

**System Action:** The command is ended.

**Application Programmer Response:** If you own an empty data set into which you have planned to import, rerun the job and specify the INTOEMPTY key word. If not, determine who owns the existing empty data set and resolve the conflict in usage of this data set name to insure proper protection for your data.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

---

### IDC3628I DUMMY NAME REMAINS IN CATALOG

**Explanation:** IMPORTRA has renamed a cluster or alternate index to the dummy name specified by the DSN parameter on the OUTFILE DD statement. The dummy name cannot be renamed to the real name and the cluster or alternate index remains in the catalog with the dummy name. The reason for the failure is given in a preceding message. Message IDC2621I also precedes this message. It gives the real name of the failing cluster or alternate index.

**System Action:** The command ends.

**Application Programmer Response:** Delete the cluster or alternate index using the dummy name in the DELETE command. Correct any other error conditions as indicated by previous messages and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRM01

---

**IDC3629I THE PORTABILITY DATA SET FORMAT IS INVALID – CI MODE NOT SUPPORTED**

**Explanation:** The portability data set format is control interval (CI) mode which is not supported on this operating system.

**System Action:** The IMPORT command is ended.

**Application Programmer Response:** The portability data set must be created with record mode for it to be supported on this system.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01, IDCRM01

---

**IDC3633I SCANNING ERROR ON OS CATALOG WHILE PROCESSING 'xxx' INDEX**

**Explanation:** An error occurred while scanning the OS catalog. Processing was at the indicated index.

In the message text:

xxx The indicated index.

**System Action:** Conversion is ended.

**Application Programmer Response:** Verify that the OS catalog being converted is valid by listing the OS catalog using IEHLIST. If the catalog appears valid, rerun the job with a PARM command as follows:  
(PARM TEST (FULL((CCVE,1,1), (CCIE,1,1), (CCSE,1,1))))

This will produce a SNAP dump at the error point.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

**IDC3641I dsname NOT A BASE CLUSTER**

**Explanation:** The data set is not a base cluster or a path over a base cluster. The entry name was specified in job control identified via (1) the INFILE dname subparameter or (2) the INDATASET dsname subparameter. The INFILE or INDATASET data set must be a defined, non-empty base cluster or a path over a base cluster.

In the message text:

dsname  
The data set name.

**System Action:** Processing is ended for the entire BLDINDEX command.

---

**Application Programmer Response:** The data set name in the job control identified via the INFILE subparameter or the data set name in the INDATASET subparameter must be corrected to be that of a defined, non-empty base cluster or a path over a base cluster. Then resubmit the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCBI01

---

**IDC3643I dsname IS EMPTY**

**Explanation:** The base cluster contains no records. In order to build an alternate index, the base cluster must contain at least one record.

In the message text:

dsname  
The data set name.

**System Action:** BLDINDEX processing is ended.

**Application Programmer Response:** The base cluster must be loaded via a user program (alternatively, the access method services REPRO command may be used) with at least one record. Then resubmit the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCBI01

---

**IDC3682I FINAL CHARACTER(S) IN volser NOT NUMERIC**

**Explanation:** A character in the volume serial number is not a numeric value and cannot be incremented to created new volume serial numbers.

In the message text:

volser The volume serial number.

**System Action:** Function ends normally.

**Application Programmer Response:** Specify a beginning volume serial number with adequate number of numeric characters and rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCCV01

---

**IDC3683I     *volser* PLUS COUNT EXCEEDS  
MAXIMUM VOLUME SERIAL NUMBER**

**Explanation:** The number of volumes to be created, added to the specified volume serial number (*volser*), exceeds the maximum value of 999999.

In the message text:

*volser*    The volume serial number.

**System Action:** Command ends normally.

**Application Programmer Response:** Specify a volume serial number with a lower number or request less volumes to be created and rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCCV01

**IDC3691I     VOLUME *ser* LABEL NOT REBUILT**

**Explanation:** The rewriting of the new volume label failed. Either the volume is specified as READONLY or an I/O error occurred when writing the label.

In the message text:

*ser*        The volume serial number.

**System Action:** The command ends. The return code is 12.

**Application Programmer Response:** Rerun the command or take the Problem Determination actions.

**Source:** DFSMSdfp

**Detecting Module:** IDCMV01

**IDC3692I     VTOC HEAD ADDRESS CANNOT  
EXCEED X'0012'**

**Explanation:** The VTOC head address specified is too large; it cannot exceed X'0012'.

**System Action:** The command ends. The return code is 12.

**Application Programmer Response:** Specify a VTOC head address not exceeding X'0012' and rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCMV01

**IDC3700I     \*\* LATEST COPY RECORD CANNOT  
BE RETRIEVED FROM INVENTORY**

**Explanation:** An attempt to access the record for the latest copy recorded in the Inventory data set failed. The command checks if the latest copy is incomplete due to a previous copy failure; the cartridges will be reused if an incomplete copy exists. See the preceding message for the error condition.

**System Action:** The command ends with an error message.

**Application Programmer Response:** Correct the problem as indicated in the preceding message and rerun the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01

**IDC3701I     \*\* OLDEST BACKUP COPY RECORD  
CANNOT BE RETRIEVED FROM  
INVENTORY**

**Explanation:** An attempt to access the record for the oldest backup copy volume recorded in the Inventory data set failed. The cartridges of the oldest backup copy are to be either reused or scratched. See the preceding message for the error condition.

**System Action:** This command ends with an error message.

**Application Programmer Response:** Correct the problem as indicated in the preceding message and rerun the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01

**IDC3702I     TARGET COPY *yyddd* CANNOT BE  
USED**

**Explanation:** The command selected the cartridges of an existing copy volume created on the date indicated for reuse but the cartridges cannot be used. The following message explains why the designated copy volume cannot be used.

In the message text:

*yyddd*    The date in year and days.

**System Action:** The command ends with an error message.

**Application Programmer Response:** Before rerunning the COPYV command, either:

- Run the SCRATCHV command to scratch the remaining cartridge of this unusable copy and delete the record from the Inventory data set.

- Run the REMOVEVR command to delete the copy volume record from the Inventory data set if both cartridges are lost.
- Reenter the missing cartridges in the Mass Storage Facility (MSF) while the Mass Storage Volume Control (MSVC) is enabled.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01

**IDC3706I    \*\* COPY TO CARTRIDGES *csn1 csn2* IS INCOMPLETE**

**Explanation:** The copy operation to the copy volume failed. The copy volume is marked incomplete in the Inventory data set and will be reused by the COPYV command when the command is run again. The cartridges of the copy volume were selected either by the user, by the Mass Storage Control (MSC) at random, or by the command using an existing copy volume. See the preceding message for further explanation of the error.

In the message text:

*csn1*

*csn2*    The cartridge serial numbers.

**Application Programmer Response:** Before rerunning the COPYV command correct the problem as indicated in the preceding message.

Rerun COPYV to complete the copy operation to the incomplete copy volume (COPYV will reuse the cartridges of the incomplete copy volume for the new copy) or run SCRATCHV to scratch the incomplete copy volume before rerunning the COPYV command.

If COPYV ends without indicating the status of the copy operations, LISTMSVI can be run to determine whether the volume is flagged for recovery purposes. If the incomplete copy flag is set in the copy volume record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a copy operation failed for the preceding copy volume.

**System Programmer Response:**

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01

**IDC3708I    \*\* COPY VOLUME COULD NOT BE CREATED**

**Explanation:** No existing copy volumes were eligible for reuse for this copy request. An attempt to create a new target volume from scratch cartridges failed. A new copy volume was not created. See the preceding message for further explanation of the problem.

**System Action:** The command ends with an error message.

**Application Programmer Response:** Correct the error condition as indicated in the preceding message and rerun the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01

**IDC3709I    \*\* COPY TO CARTRIDGES *csn1 csn2* NOT PERFORMED**

**Explanation:** The Mass Storage Controller (MSC) could not perform the copy operation to the copy volume. The copy volume remains usable because the original data on the volume was not destaged. See the preceding message for further explanation of the error.

In the message text:

*csn1*

*csn2*    The cartridge serial numbers.

**System Action:** The command ends with an error message.

**Application Programmer Response:** Correct the error as indicated in the preceding message and rerun the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01

**IDC3710I    \*\* NO BACKUP COPY VOLUMES EXIST FOR VOLUME *volser***

**Explanation:** The designated volume has no backup copy. The option to restore from the latest backup cannot be satisfied. See the preceding message for further explanation of the problem.



## IDC3712I • IDC3730I

In the message text:

*volser* The volume serial number.

**System Action:** The command ends with an error message.

**Application Programmer Response:** Rerun the command requesting a specific nonbackup copy volume if any exist.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCRV01

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### IDC3712I \*\* LATEST BACKUP COPY RECORD CANNOT BE RETRIEVED FROM INVENTORY

**Explanation:** The recovery operation requires the latest backup copy, but the record for that copy volume could not be retrieved from the Inventory data set. See the preceding message for further explanation of the error.

**System Action:** The command ends with an error message.

**Application Programmer Response:** Before rerunning the command correct the error as indicated in the preceding message or specify another copy to be used in the recovery operation.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCRV01

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### IDC3720I NEW SERIAL NO. REQUIRED TO ACTIVATE A COPY OR DUPLICATE VOLUME

**Explanation:** A copy or duplicate volume cannot be activated unless the volume is relabeled with a unique volume serial number.

**System Action:** The command ends with a message.

**Application Programmer Response:** Rerun the command specifying the NEWSERIAL parameter and a unique volume serial number that can be used to relabel the copy or duplicate volume in order to activate it.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01

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### IDC3721I VOLUME *volser* IS ALREADY ACTIVE

**Explanation:** The designated volume is already active.

In the message text:

*volser* The volume serial number.

**System Action:** The command ends with a message.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01

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### IDC3726I UNABLE TO REPLACE THE BASE VOLUMES

**Explanation:** The REPLACEVOLUME key word parameter is specified, but the base volume cartridges are not reassigned or are in the Mass Storage Facility.

**System Action:** The request is bypassed, but an attempt is made to fulfill the remaining requests.

**Application Programmer Response:** The request can be modified and rerun. A new serial number (NEWSERIAL) must be supplied without the REPLACEVOLUME key word parameter. The same request can be rerun if the base volume is first ejected or nullified.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAV01

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### IDC3730I VOLUME *volser* CANNOT BE RELABELED; COPIES EXIST

**Explanation:** The volume serial number of the volume cannot be changed because copies of the volume exist.

In the message text:

*volser* The volume serial number.

**System Action:** The command ends with an error message.

**Application Programmer Response:** Rerun the

command to store the volume, but do not request the volume serial number be changed. If the volume must be renamed, run the SCRATCHV command to scratch all copies before requesting STOREV to rename and store the volume.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdftp

**Detecting Module:** IDCSR01

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**IDC3732I      \*\* VOLUME *volser* COULD NOT BE  
MADE INACTIVE**

**Explanation:** The status of the volume could not be changed from active to inactive. See the preceding message for further explanation of the error.

In the message text:

*volser*    The volume serial number.

**System Action:** Processing continues.

**Application Programmer Response:** Correct the error as identified in the preceding message.

Rerun STOREV or run MODIFYV to either backout or retry the rename operation.

If the STOREV or MODIFYV commands are run to recover from a rename failure, the DD statement for the volume is required and must specify deferred mounting.

The values specified for the VOLUME and NEWSERIAL parameters depend upon how the volume record is recorded in the Inventory data set. If the cartridge labels have been updated, the volume record will be identified by the new volume serial number. For the VOLUME parameter, specify the volume serial number as recorded in the cartridge labels and the volume record. For the NEWSERIAL parameter, specify the desired volume serial number. Note that the security check for non-VSAM status and password protected data sets is bypassed only if the NEWSERIAL parameter specifies the same volume serial number as recorded in the Inventory data set for the volume label. This allows the original volume serial number of a VSAM volume to be restored if the volume is left partially renamed.

If STOREV ends without indicating the status of the rename operation, LISTMSVI can be run to determine whether the volume is flagged for recovery purposes. If the mismatch flag is set in the volume record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a rename operation failed for the preceding volume and that serial number 'nnnnnn' is recorded in the volume label of the volume.

**Source:** DFSMSdftp

**Detecting Module:** IDCSR01

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**IDC3734I      \*\* VOLUME LABEL COULD NOT BE  
RESTORED TO ORIGINAL STATUS**

**Explanation:** Following a failure to deactivate the volume and change the volume serial number in the cartridge labels, an attempt to restore the volume label to its original status also failed. A volume serial-mismatch exists between the volume label and the cartridge labels of the cartridges assigned to the Mass Storage Volume. A flag indicating the mismatch is set in the Inventory data set for the volume. See the preceding message for further explanation of the problem.

**System Action:** The command ends with an error message.

**Application Programmer Response:** Correct the error as identified in the preceding message.

- If a Rename Operation Failed for ADDV

Run ADDV to backout or retry the rename operation if the volume is inactive. If the volume is active, run MODIFYV or STOREV to either backout or retry the rename operation.

If the ADDV, MODIFYV, or STOREV commands are run to recover from a rename failure, a DD statement for the volume is required and must specify deferred mounting.

The values specified for the VOLUME and NEWSERIAL parameters depend upon how the volume record is recorded in the Inventory data set. If the cartridge labels have been updated, the volume record will be identified by the new volume serial number. For the VOLUME parameter, specify the volume serial number as recorded in the cartridge labels and the volume record. For the NEWSERIAL parameter, specify the desired volume serial number. Note that the security check for non-VSAM status and password protected data sets is bypassed only if the NEWSERIAL parameter specifies the same volume serial number as recorded in the Inventory data set for the volume label. This allows the original volume serial number of a VSAM volume to be restored if the volume is left partially renamed.

If ADDV, MODIFYV, or STOREV ends without indicating the status of the rename operation, LISTMSVI can be run to determine whether the volume is flagged for recovery purposes. If the mismatch flag is set in the volume record, LISTMSVI not only lists the standard information for the volume but also highlights the volume report with a note that a rename operation failed for the preceding volume and that serial number 'nnnnnn' is recorded in the volume label of the volume.

- If a Rename Operation Failed for MODIFYV

## IDC3736I • IDC3740I

To recover from a MODIFYV rename failure 1) run ADDV to activate the volume if the volume is merely inactive and has no volume serial mismatch condition, or 2) run ADDV to both activate the volume and complete the rename operation if the volume is both inactive and has a volume serial mismatch condition, or 3) rerun MODIFYV to complete or retry the rename operation if the volume is active but has a mismatch condition, or 4) run STOREV to complete or retry the rename operation if the volume is active and if a duplicate volume serial number is desired as result of the rename.

For the DD statement requirements, the proper VOLUME and NEWSERIAL parameter values, and use of LISTMSVI, refer to the description above for an ADDV rename failure.

- If a Rename Operation Failed for STOREV  
Rerun STOREV or run MODIFYV to either backout or retry the rename operation.

For the DD statement requirements, the proper VOLUME and NEWSERIAL parameter values, and use of LISTMSVI, refer to the description above for an ADDV rename failure.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSR01

---

### IDC3736I *ddname* MUST NOT BE ALLOCATED TO SHARED OR SHARED U.P. UNITS

**Explanation:** CONVERTV can only use non-shareable spindles, and cannot be a uniprocessor unit.

In the message text:

*ddname*  
The DD name.

**System Action:** The command is ended.

**Application Programmer Response:** See your system programmer to determine if a shared spindle was used or if the system was sysgened for uniprocessor operations.

**Source:** DFSMSdfp

---

### IDC3738I \*\* DATA SETS NOT RECATALOGED IN VSAM CATALOG

**Explanation:** An error occurred which prevented all the data sets in the VSAM owning catalog from being recataloged. A preceding message explains the error.

**System Action:** The command ends normally. If the

target volume is a 3336 Model 1 Disk Pack, use Device Support Facilities to reformat the volume to meet the empty VTOC requirement of the CONVERTV command.

**Application Programmer Response:** Correct the error and rerun the command.

**System Programmer Response:** Enter the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01

---

### IDC3739I FROM AND TO UNITS ARE THE SAME DEVICE TYPE

**Explanation:** The device type specified in the UNIT parameter of the FROMFILE DD statement is the same as the device type specified in the UNIT parameter of the TOFILE DD statement.

**System Action:** The command ends normally with an error message.

**Application Programmer Response:** Either correct the UNIT parameter and rerun the command or if you want to move data between two volumes of the same type, use the IEHMOVE utility program.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01

---

### IDC3740I MULTIPLE VOLUME SERIAL NUMBERS ASSOCIATED WITH FILE *ddname*

**Explanation:** CONVERTV will only convert a single volume at a time. The specified *ddname* has more than one volume associated with it.

In the message text:

*ddname*  
The specified DD name.

**System Action:** The command ends normally.

**Application Programmer Response:** Specify only one volume serial on the DD statement or supply a FROMVOLUME statement for the volume to be converted. Rerun the command.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01

#### **IDC3741I    RECATALOG OPTION INVALID FOR VSAM VOLUME**

**Explanation:** The source volume is owned by a VSAM catalog and the volume and any VSAM data sets on the volume must be recataloged. Therefore, NONE is an incorrect option.

**System Action:** The command ends normally.

**Application Programmer Response:** Specify the VSAMCATALOG option on the RECATALOG parameter or omit the control statement. Rerun the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01

#### **IDC3744I    JOBCAT/STPCAT MUST NOT BE SPECIFIED FOR VSAM CATALOG ON VOLUME**

**Explanation:** A JOBCAT or STEPCAT DD statement was used to allocate the VSAM user catalog on the volume to be processed. If the VSAM user catalog is on the volume being processed, the user catalog must not be open as a result of the use of a JOBCAT or STEPCAT DD statement.

**System Action:** The command ends normally.

**Application Programmer Response:** Use a standard DD statement ddname rather than JOBCAT or STEPCAT to allocate the VSAM user catalog, and supply that ddname in the CATALOG parameter. Rerun the command. In VS2 you can omit the DD statement and only specify the name of the catalog on the CATALOG parameter.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01, IDCSR01

#### **IDC3745I    DD NAME MUST BE SPECIFIED FOR VSAM USER CATALOG ON VOLUME**

**Explanation:** No ddname was specified for the VSAM CATALOG residing on the volume being processed preventing the catalog from being opened.

**System Action:** Command ends normally.

**Application Programmer Response:** Supply a DD statement for the catalog that owns the volume. The DD statement name cannot be JOBCAT or STEPCAT. Specify the name of the DD statement which allocates the catalog in the CATALOG parameter. Rerun the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCN01, IDCSR01

#### **IDC3770I    VOLUME *volser* ACTIVE**

**Explanation:** The volume is active and cannot be ejected.

In the message text:

*volser*    The volume serial number.

**System Action:** The command ends with an error message.

**Application Programmer Response:** Run the STOREV command to both deactivate and eject the volume.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCEV01

#### **IDC3802I    INVALID SIS PARAMETER**

**Explanation:** Either an incorrect combination of parameters was specified for the system-initiated scratch function, or incorrect subparameters were specified with the SIS parameter in the CREATEG or MODIFYG command.

**System Action:** The request is ended and the group



## IDC3820I • IDC3844I

is not created or modified. Control is returned to the user with a condition code of 12.

**Application Programmer Response:** Specify the correct combination of parameters and rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCGR01, IDCMG01

---

### IDC3820I \*\* TABLES COULD NOT BE COPIED TO WORK DATA SET

**Explanation:** An error code was returned from the request to copy the MSC tables to the work data set. A preceding message explains the reason.

**System Action:** The command preceding ends normally.

**Application Programmer Response:** Check the preceding message to determine the exact error. Correct the error and rerun the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCLM01

---

### IDC3822I MSF NOT AVAILABLE

**Explanation:** The Mass Storage Facility (MSF) does not have a staging adapter assigned to it in the Mass Storage Control (MSC) tables and cannot be considered to exist for system use.

**System Action:** The command ends normally.

**Application Programmer Response:** Specify a valid MSF on the command and rerun the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCAU01, IDCLM01

---

### IDC3835I AN MSVI ERROR WAS DETECTED WHILE PROCESSING CART (*csn*)

**Explanation:** A Mass Storage Volume Inventory (MSVI) error occurred because either one or both cartridge serial numbers of the volume record that was being read were not properly initialized.

In the message text:

*csn* The cartridge serial number.

**System Action:** The command ends.

**Application Programmer Response:** The problem was probably caused by a system failure during the CREATEV command. Issue the SCRATCHV command to scratch the incomplete mass storage volume. Rerun the command.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, all printed output and output data sets related to the problem, and the program listing for the job.

**Source:** DFSMSdfp

---

### IDC3842I ORDER OF TRACE AREAS COULD NOT BE DETERMINED - NO DATA DUMPED

**Explanation:** An attempt was made to dump both trace areas, but the first trace area could not be determined. Therefore, no trace data was dumped. The programmer will have to submit individual X and/or Y trace dump requests.

**System Action:** The command ends normally.

**Application Programmer Response:** Rerun the TRACE command specifying either trace area X or trace area Y.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCTR01

---

### IDC3844I BLOCKSIZE OF OUT DATA SET IS NOT A MULTIPLE OF 264.

**Explanation:** Because trace records are 264 bytes long, they must be blocked in multiples of 264. That is, the blocksize specified for the Output Data set must be a multiple of 264.

**System Action:** The Trace Utility is ended.

**Application Programmer Response:** Correct the blocksize specification in the JCL and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp



**Detecting Module:** IDCTR01

---

**IDC3850I THE NUMBER OF SECONDS IN THE LRU CLOCK IS INVALID**

**Explanation:** The number of seconds in the LRU clock (LRUCLOCK parameter) is incorrect. The only valid numbers are 128, 256, 512, 1024, 2048, 4096, 8192, and 16384.

**System Action:** The command ends normally. No tuning parameters have been changed.

**Application Programmer Response:** Correct the LRUCLOCK parameter and rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCTU01

---

**IDC3851I LOWER VALUE MUST BE LESS THAN HIGHER VALUE FOR ACTIVEPAGES**

**Explanation:** On the ACTIVEPAGES parameter, the lower number of pages is a number greater than or equal to the higher number of pages. The lower number must be less than the higher number.

**System Action:** The command ends normally. No tuning parameters have been changed.

**Application Programmer Response:** Correct the ACTIVEPAGES parameter and rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCTU01

---

**IDC3852I TOTAL OF UNITS IN LRUGROUPS MUST BE LESS THAN OR EQUAL TO 16**

**Explanation:** When the LRU clock units for all groups are added together they exceed the maximum (16).

**System Action:** The command ends normally. No tuning parameters have been changed.

**Application Programmer Response:** Correct the LRUGROUPS parameter (which specifies the number of LRU clock units) and rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCTU01

---

**IDC3860I GROUP PARAMETERS CANNOT BE SPECIFIED FOR NONGROUPED VOLUMES**

**Explanation:** A request to set group level attributes for a volume that does not belong to a group is incorrect.

**System Action:** The command ends with an error message.

**Application Programmer Response:** Rerun the

command after removing the conflicting parameters that specify group attributes.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCMV01

---

**IDC3861I VOLUME *ser* LABEL NOT REBUILT**

**Explanation:** The rewriting of the new volume label failed. Either the volume is specified as READONLY or an I/O error occurred when writing the label.

In the message text:

*ser* The volume serial number.

**System Action:** The command ends. The return code is 12.

**Application Programmer Response:** Rerun the command or take the Problem Determination actions.

**Source:** DFSMSdfp

---

**IDC3862I VTOC HEAD ADDRESS CANNOT EXCEED X'0012'**

**Explanation:** The VTOC head address specified is too large; it may not exceed X'0012'.

**System Action:** The command ends. The return code is 12.

**Application Programmer Response:** Specify a VTOC head address not exceeding X'0012' and rerun the command.

**Source:** DFSMSdfp

---

**IDC3883I \*\* ERROR COUNT EXCEEDED UPPER LIMIT, FUNCTION TERMINATED**

**Explanation:** A LISTCRA command encountered more than 50 I/O errors.

**System Action:** Processing of the LISTCRA command is ended.

**Application Programmer Response:** See previous messages to determine the cause of the I/O errors. Correct the problem, and rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLR01

**IDC3885I     VOLUME *ser* PERMANENTLY  
RESIDENT OR RESERVED**

**Explanation:** The volume is marked permanently resident or reserved in the unit control block (UCB). Therefore, this volume cannot be demounted. The volume described by the volume serial (*ser*) needs to be demounted so that a MSC function can be performed or to enable the proper volume to be mounted on the unit.

In the message text:

*ser*        The volume serial number.

**System Action:** Processing of the command is ended.

**Application Programmer Response:** Ensure that the correct volume serial number was specified on the DD statement for the FILE parameter. If the correct volume serial was specified, you cannot run the command while that volume is permanently resident or reserved.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**IDC3897I     CONFLICT EXISTS BETWEEN  
ENTRYNAME AND DD SPECIFIED ON  
DATA SET NAME**

**Explanation:** Conflict between the entryname specified on DELETE command and data set name specified on the file parameter referenced DD statement.

**System Action:** The system processing continues.

**Operator Response:** Correct the data set name specified on the file parameter referenced DD statement, if incorrectly specified. Or, correct the entryname in the entryname parameter on the DELETE command, if incorrectly specified.

**System Programmer Response:** Determine the reason for the failure of the DELETE command; correct the problem and rerun the job.

**Source:** DFSMSdfp

**IDC3900I     PUTGET ERROR CODE IS *return-code***

**Explanation:** The PUTGET macro instruction failed.

In the message text:

*return-code*        The return code, as follows:

Code	Explanation
8	The PUTGET service routine did not complete. An

attention interrupt occurred during the processing of PUTGET, and the attention handler turned on the completion bit in the communications ECB.

**12**        No prompting was allowed on a PROMPT request. Either the user at the terminal requested no prompting with the PROFILE command, or the current source of input is an in-storage list.

**12**        A line could not be obtained after a MODE request. A chain of second level informational messages exists, and the current stack element is non-terminal, but the terminal user did not request PAUSE processing with the PROFILE command. The messages are therefore not available to him.

**16**        The NOWAIT option was specified for TPUT and no line was put out or received.

**20**        The NOWAIT option was specified for TGET and no line was received.

**24**        Incorrect parameters were supplied to the PUTGET service routine.

**28**        A conditional GETMAIN was issued by PUTGET for output buffers and there was not sufficient space to satisfy the request.

**32**        The terminal has been disconnected.

**System Action:** The command is ended.

**Application Programmer Response:** Correct the error based on the return code information and rerun the job.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC3A02

**IDC3901I    ERROR QUALIFYING *dsname***

**Explanation:** The Time Sharing Option/Extensions (TSO/E) default service routine failed to qualify the data set indicated.

In the message text:

*dsname*

The data set name.

**System Action:** The request is ended.

**Application Programmer Response:** An associated message, IDC3902I directs the user in how to correct this error.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA02

**IDC3902I    \*\* DEFAULT SERVICE ROUTINE  
ERROR CODE *return-code*, LOCATE  
ERROR CODE *cde***

**Explanation:** This message contains the return code information required to correct the error indicated in associated message IDC3901I. The LOCATE error code is part of VSAM Catalog Management. Refer to message IDC3009I for the return codes as well as the possible system and programmer responses.

In the message text:

*cde*      The LOCATE error code.

**rc**      The possible system and programmer responses for the default service routine error conditions along with the return code, as follows:

Code	Explanation
4	Return code from PUTLINE or PUTGET was not zero.
8	Data set name was longer than 44 bytes.
12	An I/O error occurred while searching the catalog, the catalog data set was not available or the data set name was not specified correctly.
16	The index structure of the catalog was not consistent with the data set name. For example, the name specified was "A.B.C", but there is a data set called "A.B," so there cannot be one called "A.B.C."

**20**      The data set name could not be found in the catalog.

**24**      An attention interruption occurred during processing of this request.

**28**      Incorrect parameters were specified.

**32**      It was necessary to prompt the user, but the caller specified that the user should not be interrupted.

**36**      Not enough qualifiers were specified for the data set name. For example, the name specified was "A.B," but the catalog contains an entry for "A.B.C."

**System Action:** Processing continues.

**Application Programmer Response:** The response depends on the return codes, rc and cde. Possible responses for return code rc follow:

Code	Response
4	Make sure the user is still logged on to the system.
8	Correct the data set name.
12	Examine the data set name for syntax errors, for example, embedded punctuation marks. Check the CVOL index structures to be sure CVOLs are properly linked. If an I/O error occurred, it may be necessary to rebuild the catalog.
16	Respecify the data set name or recatalog the data set.
20	Respecify the data set name or recatalog the data set.
24	None.
28	Check to be sure the parameter list for IKJEHDEF was not improperly modified.
32	None.
36	Respecify the data set name.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCSA02

**IDC3932I    STORAGE MANAGEMENT  
SUBSYSTEM CALL FAILED. REASON  
CODE WAS *reason-code***

**Explanation:** An IDCAMS command called a Storage Management Subsystem (SMS) service, but the call failed.

## IDC3933I • IDC4230I

In the message text:

*reason-code*      The reason code returned by SMS

**System Action:** The system may end processing of the IDCAMS command.

**Application Programmer Response:** Refer to *z/OS DFSMSdfp Diagnosis Reference* for an explanation of the SMS reason code.

**Source:** DFSMSdfp

---

### IDC3933I      ATTACH RETURN CODE WAS *return-code*

**Explanation:** An ATTACH SVC returned the specified code due to an error during the ATTACH operation.

In the message text:

*return-code*      The specified return code.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** IDC3A11

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### IDC3936I      CVAFFILT ERROR RETURN CODE IS *return-code* - REASON CODE IS *reason-code*

**Explanation:** During DIAGNOSE processing, an error occurred in CVAFFILT.

In the message text:

*return-code*      The return code.

*reason-code*      The reason code.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** IDC3A11

---

### IDC4227I      AN 'ELSE' COMMAND APPEARS IMPROPERLY

**Explanation:** An ELSE modal command appears without a matching IF-THEN modal command. Modal command continuation may be incorrect.

**System Action:** The remainder of the command input stream is ignored.

**Application Programmer Response:** Correct the usage and rerun.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix

exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

### IDC4228I      AN 'END' COMMAND IS INVALID

**Explanation:** An END modal command occurs without a matching DO modal command.

**System Action:** The remainder of the command input stream is ignored.

**Application Programmer Response:** Correct the DO-END usage and rerun.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

### IDC4229I      'IF' COMMAND HAS INVALID RELATIONAL EXPRESSION

**Explanation:** An IF modal command has an incorrect relational expression.

**System Action:** The remainder of the command input stream is ignored.

**Application Programmer Response:** Check the syntax and semantic requirements of the IF command. Correct the usage and rerun.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

### IDC4230I      'SET' COMMAND HAS INVALID ASSIGNMENT EXPRESSION

**Explanation:** A SET modal command has an incorrect assignment expression.

**System Action:** The remainder of the command input stream is ignored.

**Application Programmer Response:** Check the syntax and semantic restrictions on the SET command. Correct the usage and rerun.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix

exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

#### **IDC4232I    IMPROPER OR MISSING 'THEN' KEY WORD**

**Explanation:** The THEN portion of the IF modal command is misspelled or missing. Modal command continuation may be incorrect.

**System Action:** The remainder of the input stream is ignored.

**Application Programmer Response:** Correct the usage and rerun.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

#### **IDC4236I    INPUT STREAM END-OF-FILE FOUND BEFORE END-OF-COMMAND**

**Explanation:** Command input stream end-of-file has been found while scanning a command. There may be input records missing.

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

**Application Programmer Response:** Add the missing data and rerun.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

---

#### **IDC4237I    TOO MANY LEVELS OF 'IF' COMMAND NESTING**

**Explanation:** IF modal commands have been nested to a level that cannot be handled.

**System Action:** The remainder of the command input stream is ignored.

**Application Programmer Response:** Restructure the modal commands to conform to the restriction of ten levels of nesting.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix

exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRI01

---

#### **IDC4999I    UABORT CODE *return-code***

**Explanation:** This message indicates an error, which caused the processor to abort. The code number indicates the nature of the error. Since the error is usually such that no further processor code may be run with confidence, this message appears in the output listing by a write-to-programmer action.

In the message text:

*return-code*      The return code, as follows:

<b>Code</b>	<b>Explanation</b>
<b>24</b>	Text processor's print control table address not set in GDT.
<b>28</b>	No virtual storage available for one of the following: <ul style="list-style-type: none"> <li>• Text processor's translate table.</li> <li>• Initialization of the I/O adapter.</li> <li>• Automatic (dynamic) storage of a module.</li> <li>• Text processor dynamic storage.</li> </ul> <p>See the in-virtual storage trace tables to determine which is the correct condition.</p>
<b>32</b>	There was a request to access an unopened data set.
<b>36</b>	The processor was unable to open SYSPRINT (or whichever DD name is employed to denote the processor's standard listing output data set).
<b>40</b>	Incorrect U-macro argument list found.
<b>44</b>	The processor is unable to produce a dump.
<b>56</b>	The BLDL macro failed to find a required AMS (access method services) module.
<b>72</b>	An internal RESETCAT error occurred (probable system error).

**System Programmer Response:** If the error recurs



## IDC11003I • IDC11023I

and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSSdfp

**Detecting Module:** IDCSA01

---

### IDC11003I CONTROL INTERVAL *nnnnnn* BYPASSED IN CRA *volser*

**Explanation:** IGNORE was specified and an I/O error was encountered. The record is ignored. This message is preceded by IDC3351I which indicates the nature of the error.

In the message text:

*volser* The volume serial number.

*nnnnnn* The control interval number of the record in the catalog.

**System Action:** Processing continues.

**Application Programmer Response:** This may cause errors to be detected in objects on the volume specified, or objects on the volume may be totally lost without notification. Perform a LISTCAT operation of the catalog to determine which objects still exist after the reset operation.

**System Programmer Response:** Enter the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

**Source:** DFSMSSdfp

**Detecting Module:** IDCRS06

---

### IDC11015I CONTROL INTERVAL *nnnnnn* BYPASSED IN CATALOG

**Explanation:** IGNORE was specified and an I/O error was encountered. The record is ignored. Message IDC3351I precedes this message indicating the specific error.

In the message text:

*nnnnnn* The control interval number of the record in the catalog.

**System Action:** Processing continues.

**Application Programmer Response:** The record noted in the catalog is inaccessible. If it contained a corresponding reset CRA entry, the entry will be recovered. If it contained a non-reset CRA entry, the entry remains inaccessible. A LISTCAT may reveal whether the error is of any consequence. *nnnnnn* is the control interval number of the record in the catalog.

**System Programmer Response:** Enter the access method services LISTCAT command to list catalog

entries and information about objects defined in the catalog.

**Source:** DFSMSSdfp

**Detecting Module:** IDCRS06

---

### IDC11022I *entryname, type* CONTAINS A CONNECTOR TO INVALID RECORD *nnnnnn, type*

**Explanation:** An object contains a dependency on a record that does not exist. The base record is noted by name and type. The dependent record which is incorrect is noted by its expected control interval number and record type. The reference to the incorrect record is deleted. See either message IDC21024I, IDC21025I or IDC21026I which follows. The message will note the other action taken as a result of this error.

In the message text:

*entryname* The base record noted by name.

*nnnnnn* The control interval number of the record in the catalog.

*type* The entry type of the record. The value are defined under message IDC21045I.

**System Action:** Processing continues.

**Application Programmer Response:** See the following message (noted in the explanation) to determine what action was taken.

**Source:** DFSMSSdfp

**Detecting Module:** IDCRS02

---

### IDC11023I *entryname, type, ERROR FOR* ASSOCIATION [*nnnnnn,*] *type*

**Explanation:** An entry is chained to a record of a type different than anticipated, or the object noted consists of incomplete set of records. If the control interval number of the expected association is not given, then no association for that object exists in the base record; an association for that type is required for the entry name noted. Message IDC21026I follows, noting that the entry has been deleted.

In the message text:

*entryname* The entry name noted.

*nnnnnn* The control interval number of the record in the catalog.

*type* The entry type of the record. The values of are defined under message IDC21045I.

**System Action:** Processing continues.

**Application Programmer Response:** See message IDC21026I.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS02

---

**IDC11029I SPACE MAP FOR VOLUME *volser* CORRECTED**

**Explanation:** The suballocated VSAM data space has been corrected to reflect what is on the volume. This correction occurs if entries are deleted by RESETCAT, or space stated as suballocated is not suballocated (that is, the space map is incorrect on entry to RESETCAT).

In the message text:

*volser* The volume serial number.

**System Action:** Processing continues.

**Application Programmer Response:** This message is given for information only. It is a correction of some state of error. The error may be specifically noted in a preceding error message or not at all. In the latter case, the situation is due to space being suballocated from available suballocatable space; however, no entry can be found which claims this space. No corrective action by the programmer is required.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

---

**IDC11031I UNIQUE DATA SET *entryname* HAS FEWER EXTENTS THAN THE DATA SPACE**

**Explanation:** The unique data or index component has less space described than the data space. No problem exists for this data set; this message is given to inform you that space exists which is not in use. If the data set is extended, this space will be used. No corrective action is taken.

In the message text:

*entryname* The specified entry name.

**System Action:** Processing continues.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

---

**IDC11033I *dsname, volser* NOT DELETED**

**Explanation:** A unique data set, on a volume not being reset, has no corresponding DATA or INDEX component. The component was defined on one of the volumes being reset, but no longer exists on that volume.

In the message text:

*volser* The volume serial number.

*dsname*

The unique data set name.

**System Action:** Processing continues.

**Application Programmer Response:** If the data set is no longer valid, then SCRATCH it.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

---

**IDC11036I *entryname, type* OUT-OF-SYNC ON *volser***

**Explanation:** The data set named may have incorrect space information. The extents occupied by the named data set are not in conflict with any other VSAM data set or with the system; however, a self-checking field failed to check. The data set itself may be all right.

In the message text:

*volser* The volume serial number.

*entryname* The entry name indicated.

*type* The type specified. The values of *type* are defined under message IDC21045I.

**System Action:** Processing continues.

**Application Programmer Response:** List the data set and ensure that it is correct and accessible.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

---

**IDC11040I *dsname* UNKNOWN**

**Explanation:** The VSAM Format 1 DSCB did not have a corresponding space header in the volume record. Hence, the catalog does not account for the space allocated to the data set. The data set noted above was scratched.

In the message text:

*dsname*

The data set name.

**System Action:** Processing continues.

**Application Programmer Response:** If an I/O error occurred when reading from the CRA for this volume, this condition may arise. It may also be caused by some previous system error. This message is given for informational purposes. A later message may indicate whether objects were marked unusable, perhaps as a result of this condition. Watch for message IDC21027I or IDC21030I.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

## IDC11041I • IDC11217I

---

### IDC11041I *dsname* SPACE CORRECTED

**Explanation:** The extents in the space header for the data space noted were not identical to the extents in the corresponding Format 1 DSCB. The extents in the space header were corrected using the extents in the Format 1 DSCB and the Format 3 DSCB if one exists.

In the message text:

*dsname*  
The data set name.

**System Action:** Processing continues.

**Application Programmer Response:** This may be caused by some previous system error. This message is given for information purposes. A later message may indicate whether objects were marked unusable, perhaps as a result of this condition if fewer extents existed in the data set than the data space. Watch for message IDC21027I or IDC21030I.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

---

### IDC11042I *dsname* SPACE DELETED

**Explanation:** The space header for the data space referred to a nonexistent Format 1 DSCB. The space header for the data space was deleted.

In the message text:

*dsname*  
The data set name.

**System Action:** Processing continues.

**Application Programmer Response:** This may be caused by some previous system error. This message is given for information purposes. A later message may indicate whether objects were marked unusable, perhaps as a result of this condition. Watch for message IDC21037I or IDC21020I.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

---

### IDC11043I TIME STAMP FOR VOLUME RECORD ON VOL *volser* WAS CORRECTED

**Explanation:** The time stamp for the volume record did not match the time stamp in the VTOC. This may have resulted from a failure in Catalog Management after updating one and not the other. The time stamps are synchronized.

In the message text:

*volser* The volume serial number.

**System Action:** Processing continues.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

---

### IDC11044I *dsname* NOT SCRATCHED

**Explanation:** The attempt to scratch the data set for the reason stated in preceding message IDC11040I failed.

In the message text:

*dsname*  
The data set name.

**System Action:** Processing continues.

**Application Programmer Response:** See IDC11040I.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

---

### IDC11216I INVALID R'0/R'1 STAGE ERROR RECORD PAIR: R'0 NOT FOUND (*volsercchh*) IN REPAIR WORK FILE *dsname*

**Explanation:** During deblocking, the record was not found in the file indicated by *dsname*. If your installation has D/T3350 support, ignore R0 (record 0). It is no longer flagged with stage error information.

In the message text:

*volsercchh* The indicated record.

*dsname* The indicated data set name.

**System Action:** REPAIRV DEBLOCK continues processing at the next valid state error record pair. The return code is 4.

**Application Programmer Response:** Display the repair work file records. If necessary rebuild the repair work file using REPAIRV COPY.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** ICRD04

---

### IDC11217I INVALID R'0/R'1 STAGE ERROR RECORD PAIR: R'1 NOT FOUND (*volsercchh*) IN REPAIR WORK FILE *dsname*

**Explanation:** The record following the specified R'0 stage error record is not an R'1 stage error record. If your installation had D/T3350 support, ignore R0 (record 0). It is no longer flagged with stage error information.

In the message text:

*volsercchh* The indicated record.

*dsname* The indicated data set name.

**System Action:** REPAIRV DEBLOCK continues processing at the next valid stage error record pair. The return code is 4.

**Application Programmer Response:** Display the repair work file records. If necessary rebuild the repair work file using REPAIRV COPY.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** ICRD04

**IDC11218I THE R'0/R'1 (*volsercchh*) PAIR ARE NOT UNMODIFIED STAGE ERROR RECORDS IN REPAIR WORK FILE**  
*dsname*

**Explanation:** The specified records in the repair work file are not a R'0/R'1 pair created by a stage error. If your installation had D/T3350 support, ignore R0 (record 0). It is no longer flagged with stage error information.

In the message text:

*volsercchh* The indicated record.

*dsname* The indicated data set name.

**System Action:** REPAIRV DEBLOCK continues with the next valid stage error record pair. The return code is 4.

**Application Programmer Response:** Necessary, display the repair work file records.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** ICRD04

**IDC11219I DEBLOCK FAILED FOR R'0/R'1 (*volsercchh*) IN REPAIR WORK FILE**  
*dsname*

**Explanation:** Two consecutive errors were found while trying to deblock the stage error record pair. An error occurs when the length specified in the count field of a record is wrong. This is determined by inspecting the bytes following the specified length and not finding a valid count field. REPAIRV DEBLOCK cannot continue processing this record pair. If your installation had D/T3350 support, ignore R0 (record 0). It is no longer flagged with stage error information.

In the message text:

*volsercchh* The indicated record.

*dsname* The indicated data set name.

**System Action:** REPAIRV DEBLOCK continues with the next valid stage error record pair. The return code is 4.

**Application Programmer Response:** Display the repair work file to verify contents of record pair in error, then return REPAIRV DEBLOCK using the LENGTH parameter to specify the key length and data length of every original record in the track.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** ICRD04

**IDC11250I WARNING: NO VOLUME ATTRIBUTES MODIFIED.**

**Explanation:** While processing a MODIFYC command, a cartridge label was changed to reflect it as csn1|csn2 of a volume. However, no changes to the volume attributes were requested in the command. If the cartridge being modified was a scratch cartridge, the scratch cartridge bit in the label remains on, to the exclusion of all volume attributes. If the cartridge being modified was not a scratch cartridge, then the volume attributes remain unchanged and might not agree with the mass storage control tables and the inventory data set.

Modification of one or more volume attributes turns off the scratch cartridge bit in the label.

**System Action:** The command continues normally.

**Application Programmer Response:** Correct the error, if necessary, and rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCMC01

**IDC11361I THE FOLLOWING {INCLUDE|EXCLUDE} ELEMENTS WERE NOT ENCOUNTERED**

**Explanation:** The names which follow the messages were expected to be in the catalog or VVDS as they were specified in the INCLUDE or EXCLUDE list. These names were not encountered during processing.

**System Action:** DIAGNOSE considered this an attention condition and continued to process the catalog or VVDS.

**Application Programmer Response:** An analysis of

## IDC11362I • IDC11373I

this condition is recommended to determine if there is a serious problem. First, check for spelling errors. The entries may no longer be in the catalog or VVDS. Run LISTCAT to verify the presence or absence of the entry in the catalog.

If the entry is in the catalog but DIAGNOSE cannot locate it, consult your hardware support personnel.

**Source:** DFSMSdfp

**Detecting Module:** IDCDA03

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### IDC11362I THE FOLLOWING CATALOG REFERENCED VOLUMES WERE NOT ENCOUNTERED

**Explanation:** The catalog contains some entries for VVDSs (volumes) that are not referred to by any of the entries processed. The volume serial numbers of the volumes containing the VVDSs are listed. This indicates that certain entries in the catalog may be missing volume information. However, under the following circumstances, this message may indicate a normal condition:

- If you converted or deleted all data sets on the volume that are cataloged in the specified catalog.
- If you chose to explicitly catalog the VVDS.

**System Action:** DIAGNOSE considers this an attention condition and processing continues.

**Application Programmer Response:** If DIAGNOSE encountered any errors which precluded looking at any volume cells, this message may be issued. Therefore, first fix other errors indicated by DIAGNOSE.

If DIAGNOSE was run with any entry qualification, such as INCLUDE or EXCLUDE, this message may be issued. In this case, the entries which were bypassed may refer to the listed volume.

If a data set is missing volume information, to recover the missing volume information, use the DEFINE command with the RECATALOG option to recatalog the data set. Then make any candidate volumes available to the recataloged data set by using the ALTER command with the ADDVOLUMES parameter.

If the VVDS entry is extraneous, you can delete it using DELETE NOSCRATCH for the specified VVDS.

**Source:** DFSMSdfp

**Detecting Module:** IDCDA03

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### IDC11367I THE FOLLOWING VVDS REFERENCED CATALOGS WERE NOT ENCOUNTERED

**Explanation:** The list of catalog names which follow are referenced by the VVDS as catalog entries but these names were not found in any entries for scanned VVDSs. There may be missing or damaged VVDS entries. This may be a normal condition if all data sets

on the volumes which are cataloged in the specified catalog have been converted or deleted, or if DIAGNOSE was run with any entry qualification, such as INCLUDE or EXCLUDE.

**System Action:** DIAGNOSE considers this an attention condition and processing continues.

**Application Programmer Response:** Run DIAGNOSE ICFCATALOG for the extraneous catalog name. Determine whether data sets are missing from the volume. If no data sets are missing, use the DELETE command with the NOSCRATCH option to remove the VVDS entry from the extraneous catalog.

If any data sets are missing from the volume, recover the data sets in their entirety. Multivolume data sets require that all volumes are recovered together, not just the affected volume.

**Source:** DFSMSdfp

**Detecting Module:** IDCDA03

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### IDC11373I THE FOLLOWING COMPARE ELEMENTS WERE NOT ENCOUNTERED

**Explanation:** The names that follow this message were given in the comparison list but were not encountered during processing. The entries may no longer be in the catalog or VVDS.

**System Action:** DIAGNOSE considers this an attention condition and continues processing the catalog or VVDS.

**Application Programmer Response:** Check the spelling carefully. If you are using DD statements to define catalogs, ensure that a DSNAMES has been coded. If a volume serial number has been coded, ensure that it is correct. If the command is correctly coded, take the following steps:

- For a BCS, use LISTCAT to verify the catalog contains an entry for the listed VVDS. Determine whether any data sets in the catalog are missing volume entries. If volume entries are missing, use DEFINE RECATALOG to recatalog these data sets and to pick up missing volumes. If volume entries are not missing, change the DIAGNOSE command to remove the reference to the missing compare name; there is no error.
- For a VVDS, determine whether any VVDS entries should be referencing the named catalog.

If the entry is in the catalog but DIAGNOSE cannot locate it, contact your service representative.

**Source:** DFSMSdfp

**Detecting Module:** IDCDA03

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**IDC11374I THESE ADDITIONAL CATALOG  
REFERENCED VOLUMES WERE  
ENCOUNTERED** *volume-serial-numbers*

**Explanation:** The listed volume serial numbers *volume-serial-numbers* are referenced by catalog entries but these volume serial numbers were not found as VVDS entries. This may indicate entries are referencing volumes for which the catalog has no record. There should be a 'SYS1.VVDS.Vvolser' entry for each volume referenced by VSAM entries in the catalog, except where the 'SYS1.VVDS.Vvolser' is created by EOVS. Vvolser is the volume serial number of the volume.

**System Action:** DIAGNOSE considers this an attention condition and processing continues.

**Application Programmer Response:** This message is an attention and may signal entries which are missing or damaged. To add an entry for the missing VVDS to the catalog, using DEFINE RECATALOG on the VVDS. If a VSAM data set incorrectly references the volume, remove the reference from the data set entry with ALTER REMOVEVOLUMES.

**Source:** DFSMSDfp

**Detecting Module:** IDCDA03

---

**IDC11375I THESE ADDITIONAL VVDS  
REFERENCED CATALOGS WERE  
ENCOUNTERED**

**Explanation:** The catalog names listed are referenced by VVDS entries but these names were not found as catalog entries in the VVDS. The VVDS contains the names of all referenced catalogs in the VVDS control record (VVCR). Each entry in the VVDS contains the name of the catalog in which the component is cataloged. There were catalog names in VVDS entries which were not also in the VVCR.

This message applies only for volumes and catalogs with non-SMS-managed data sets.

**System Action:** Consider this an attention condition, processing continues.

**Application Programmer Response:** This message is an attention and may signal entries which are missing or damaged. Either the VVCR entry for the catalog is missing, or a VVDS record is referring to a catalog incorrectly. Run DIAGNOSE ICFCATALOG against each catalog listed, and compare each to the VVDS.

To add the catalog name to the VVCR, define a dummy data set on the volume by using the DEFINE command, and specify the catalog name needed in the CATALOG parameter. Then delete the dummy data set by using the DELETE command. The catalog name remains in the VVDS control record because a VVDS entry refers to the catalog.

To remove the VVDS entry, if the reference to the catalog is the result of an extraneous VVDS entry, use

the DELETE VVR command.

**Source:** DFSMSDfp

**Detecting Module:** IDCDA03

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**IDC11441I ENTRY WAS INTERRUPTED DURING A  
PREVIOUS PROCESS**

**Explanation:** This ICF catalog entry was previously interrupted before completion of a delete or update-extend function.

**System Action:** LISTCAT processing continues listing the entry's remaining information normally.

**Application Programmer Response:** It may be desirable to run the access method services DIAGNOSE command. See *z/OS DFSMS Access Method Services* for details on DIAGNOSE.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSDfp

**Detecting Module:** IDCLC02

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**IDC11462I REQUESTED RANGE END BEYOND  
END OF DATA SET**

**Explanation:** A PRINT or REPRO command was issued. The TO value or COUNT value specified was beyond the end of the data set. Processing continues, defaulting to the end of the data set.

**System Action:** The command continues processing with a condition code of 4.

**Application Programmer Response:** None if the default is correct. Otherwise, correct the range value and rerun the command.

**Source:** DFSMSDfp

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**IDC11465I DELIMITERS WERE SPECIFIED, BUT  
NO RECORDS WERE PROCESSED.**

**Explanation:** An IDCAMS REPRO was executed with delimiters specified, however due to an error in their specification no records were processed.

**System Action:** Job Completes condition code 4

**User Response:** Correct the delimiters and resubmit.

**Operator Response:** None

**Application Programmer Response:** None

**System Programmer Response:** None

**Source:** IDCAMS

**Detecting Module:** IDCRP01

## IDC11468I • IDC11617I

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### IDC11468I NVR/VVR NOW POINTS TO TARGET CATALOG

**Explanation:** After a REPRO of one integrated catalog facility catalog to another, the NVR/VVRs are changed to point to the target catalog and all subsequent processing must be done under the target catalog.

**System Action:** The system continues processing.

**Source:** DFSMSdfp

**Detecting Module:** IDCRP02

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### IDC11560I NO PINNED TRACKS EXIST FOR VOLUME *volser*

**Explanation:** There are no pinned tracks on the specified volume. Two requests can result in the issuance of this message:

- a LISTDATA PINNED request for a PINNED TRACK REPORT.
- a SETCACHE DISCARDPINNED request to invalidate all cache fast write and DASD fast write data for the device.

In the message text:

*volser* The volume serial number specified in the LISTDATA/SETCACHE command.

**System Action:** Processing continues.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

---

### IDC11563I INCOMPLETE {COUNTS | STATUS} FOR THIS VOLUME, SD OFFLINE

**Explanation:** There is no path to the other storage director for 3880 Model 21 or 23, COUNTS and/or STATUS REPORTS.

**System Action:** The report for the available storage director is printed. The other half of the report for Model 21 COUNTS or STATUS, or Model 23 STATUS is not printed. The Model 23 COUNTS report depicts the performance statistics for both storage directors in the same report; therefore the offline storage director will have zero counts.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

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### IDC11613I DUAL COPY VOLUMES SHOULD BE IN SEPARATE STORAGE FACILITIES

**Explanation:** This attention message indicates that a SETCACHE command to establish or re-establish a duplex pair was issued, and the requested devices were not on separate storage facilities. This attention is also issued when the devices are on separate 2-path strings having the same string address in a DLSE mode

subsystem with intermixed 2-path and 4-path DASD strings. Separate storage facilities are recommended to avoid single points of failure when duplexing. The SETCACHE commands that could cause this attention message to be generated are:

- SETSECONDARY, if the prospective primary and secondary devices are on the same storage facility.
- REESTABLISHDUPLEX, if the primary device and the requested alternate device are on the same storage facility.

**System Action:** Processing continues.

**System Programmer Response:** See the IBM 3990 Operations and Recovery Guide. manual for additional recovery comments for this message.

**Source:** DFSMSdfp

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### IDC11614I AUTHORIZATION CHECKING HAS BEEN BYPASSED. VOLSER NOT AVAILABLE FOR THE OFFLINE DEVICE.

**Explanation:** An IDCAMS command requiring volume authorization checking was issued. That checking was not possible because the volume serial could not be obtained from the offline device. The DASDVOL ALTER authorization checking for the volume is bypassed and processing of the command continues. This message can result from the following commands:

- SETCACHE SETSECONDARY, for the secondary volume
- SETCACHE REESTABLISHDUPLEX, for the alternate volume

**System Action:** Processing continues.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** IDCSS01

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### IDC11617I RESETTOSIMPLEX COMMAND IN PROCESS. HOWEVER, DASD FAST WRITE COULD NOT BE DEACTIVATED. COPIES MAY NOT BE IDENTICAL.

**Explanation:** If an active duplex pair is ended with DASD fast write active, the resulting simplex volumes may not be true copies. When ending a duplex pair, IDCAMS issues a channel command to deactivate DASD fast write to allow for destage of any DASD fast write data. This attention message is issued when the attempt to deactivate DASD fast write failed (probably because DASD fast write was in pending state from another job). If DASD fast write was on prior to issuing the RESETTOSIMPLEX channel command, then DASD fast write would have been reactivated for the primary of the ended pair.

**System Action:** Processing continues with the attempt

to continue ending the duplex pair.

**Operator Response:** If the device associated with this message is attached via the IBM 3990 Model 3 or Model 6 Storage Control, see IBM 3990 Operations and Recovery Guide. for detailed recovery actions.

**Application Programmer Response:** If a true copy was required, another method for the copy will have to be used.

**Source:** DFSMSSdfp

#### **IDC11651I    A DUPLICATE ENTRY WAS FOUND FOR ALIAS *alias***

**Explanation:** A duplicate name was found in the master catalog while attempting to define an entry into it for the IMPORT of an integrated catalog facility catalog.

In the message text:

*alias*      The name of the alias.

**System Action:** Processing continues with the next alias to be defined.

**Application Programmer Response:** None, but you may want to verify that the alias names, existing after the IMPORT is complete, are still valid.

**Source:** DFSMSSdfp

**Detecting Module:** IDCXP01

#### **IDC11656I    'ALIAS' KEY WORD IGNORED WITH VSAM MASTER CATALOGS**

**Explanation:** The system is operating under a VSAM master catalog and the keyword ALIAS was coded. Aliases on the portable data set for integrated catalog facility user catalogs cataloged in a VSAM master catalog are not defined.

**System Action:** Aliases that may exist on the portable data set are ignored. Processing continues.

**Application Programmer Response:** None.

**Source:** DFSMSSdfp

**Detecting Module:** IDCXP01

#### **IDC11659I    INSUFFICIENT WORKAREA PROVIDED TO RETURN FULL VOLUME LIST**

**Explanation:** A problem program issued a VOLLIST request, but didn't provide a large enough workarea to contain the response to that request.

**System Action:** The system continues processing.

**Application Programmer Response:** Make sure the workarea you provide is large enough to list all volume serial names (VOLSERs) necessary to satisfy the VOLLIST request. In *z/OS DFSMS Access Method Services* refer to the section about invoking access method services from a problem program; that section

describes VOLLIST requirements.

**Source:** DFSMSSdfp

**Detecting Module:** IDCMP02

#### **IDC11700I    HIGH-LEVEL INDEX STRUCTURE IS NOT UNIQUE**

**Explanation:** A single level index structure is expected, but a horizontal pointer linking one control interval to another is found.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis. Issue a VERIFY command and reissue the EXAMINE command.

**Source:** DFSMSSdfp

#### **IDC11701I    STRUCTURAL PROBLEM FOUND IN INDEX**

**Explanation:** A single level index structure, the sequence set, is expected, but a control interval assigned to a higher level is found.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

#### **IDC11702I    BASE RBA IS NOT ZERO**

**Explanation:** A base relative byte address of zero (0) is expected for the first sequence set control interval, but a nonzero value is found.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

#### **IDC11703I    DUPLICATE KEYS IN INDEX**

**Explanation:** The present and previous keys of the current index level are identical.

**System Action:** The relevant control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

---

**IDC11704I INDEX KEYS ARE NOT IN SEQUENCE**

**Explanation:** The present key has a smaller value than the previously tested key.

**System Action:** The relevant control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11705I INDEX RECORD CONTAINS  
DUPLICATE INDEX POINTERS**  
*pointer-value*

**Explanation:** An index control interval has duplicate vertical pointers. The pointer value is displayed in HEX.

In the message text:

*pointer-value*

The value of the pointer, in hexadecimal.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11706I MISSING SEQUENCE SET ENTRIES**

**Explanation:** A sequence set control interval does not contain pointers to all of the control intervals in the data control area that this sequence set control interval represents.

**System Action:** Supportive information is displayed and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11707I DUPLICATE INDEX POINTERS FOUND  
IN SEQUENCE SET**

**Explanation:** A sequence set control interval has duplicate data or free control interval pointers.

**System Action:** The sequence set control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

---

**IDC11708I HIGH-USED INDEX RBA DOES NOT  
EQUAL HIGHEST RBA FOUND**

**Explanation:** The largest relative byte address encountered while processing the index does not equal the index high-used relative byte address less index control interval size.

**System Action:** One or more supportive messages display the addresses found, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11709I DATA HIGH-USED RBA IS GREATER  
THAN HIGH-ALLOCATED RBA**

**Explanation:** The data component high-used relative byte address is greater than the high-allocated relative byte address.

**System Action:** Supportive messages display pertinent data, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11710I DATA HIGH-USED RBA IS NOT A  
MULTIPLE OF CI SIZE**

**Explanation:** The data component high-used relative byte address is not an integral multiple of the control interval size.

**System Action:** Supportive messages display pertinent data, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11711I INDEX CONTROL INTERVAL COUNT  
ERROR**

**Explanation:** The arithmetic count of all index control intervals less all unused index control intervals does not equal the actual number of index control intervals read.

**System Action:** Supportive messages display pertinent data, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

---

**IDC11712I DATA HIGH-ALLOCATED RBA IS NOT A MULTIPLE OF CI SIZE**

**Explanation:** The high-allocated relative byte address is not an integral multiple of the control interval size.

**System Action:** Supportive messages display pertinent data, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdftp

---

**IDC11714I UNUSED INDEX SPACE IS NOT A MULTIPLE OF CI SIZE**

**Explanation:** The difference between the high-allocated and high-used relative byte address for an extent is not an integral multiple of the control interval size.

**System Action:** Supportive messages display pertinent data, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdftp

---

**IDC11715I INDEX HIGH-USED RBA IS NOT A MULTIPLE OF CI SIZE**

**Explanation:** The index component high-used relative byte address is not an integral multiple of the control interval size.

**System Action:** Supportive messages display pertinent data, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdftp

---

**IDC11716I INDEX HIGH-ALLOCATED RBA IS NOT A MULTIPLE OF CI SIZE**

**Explanation:** The high-allocated relative byte address for the index component is not an integral multiple of the control interval size.

**System Action:** Supportive messages display pertinent data, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdftp

---

**IDC11717I HIGH-LEVEL INDEX CI EXPECTED BUT NOT ACQUIRED**

**Explanation:** An attempt to acquire the highest-level index control interval resulted in acquiring a lower-level index control interval.

**System Action:** Supportive message display pertinent data, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdftp

---

**IDC11718I DATA COMPONENT HIGH-USED RBA IS NOT EQUAL TO CA SIZE**

**Explanation:** For a data set with a single level index, the calculated control area size does not equal the high-used relative byte address for the data component.

**System Action:** Supportive messages display pertinent data, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdftp

---

**IDC11719I MISSING CI WITHIN INDEX LEVEL**

**Explanation:** An index control interval is not referenced in the index horizontal pointer chain. The next higher level indicates it should exist.

**System Action:** Processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdftp

---

**IDC11720I NUMBER OF INDEX LEVELS IS ZERO**

**Explanation:** The number of index levels in the index component of AMDSB is zero.

**System Action:** Processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdftp

---

**IDC11721I OUT OF RANGE INDEX POINTER WITHIN SEQUENCE SET**

**Explanation:** A data or free control interval pointer in a sequence set control interval was found with a value greater than the maximum allowed.

**System Action:** The sequence set control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdftp

---



---

**IDC11722I    DUPLICATE INDEX BASE RBA FOUND**

**Explanation:** Two sequence set control intervals have identical base relative byte addresses.

**System Action:** Supportive messages are displayed, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSDfp

---

**IDC11723I    BASE RBA NOT ON CA BOUNDARY**

**Explanation:** A sequence set base relative byte address is not an integral multiple of the control area size.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSDfp

---

**IDC11724I    DATA COMPONENT CA NOT KNOWN TO SEQUENCE SET**

**Explanation:** A data control area exists that does not have a corresponding sequence set control interval.

**System Action:** Supportive messages display pertinent data, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSDfp

---

**IDC11725I    SEQUENCE SET RBA INCONSISTENT WITH VSAM-MAINTAINED RBA**

**Explanation:** The first sequence set control interval relative byte address obtained from level two of a multiple level index is not the same as the relative byte address maintained by VSAM in the AMDSB for the index component.

**System Action:** Supportive messages supply pertinent data, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSDfp

---

**IDC11726I    CI ON CURRENT LEVEL NOT POINTED TO BY NEXT LEVEL**

**Explanation:** A control interval on the current index level is not pointed to by the next higher index level.

**System Action:** Supportive messages are displayed, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSDfp

---

**IDC11727I    INDEX HIGH-USED RBA IS GREATER THAN HIGH-ALLOCATED RBA**

**Explanation:** The index component high-used relative byte address is greater than the high-allocated relative byte address.

**System Action:** Supportive messages are displayed, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSDfp

---

**IDC11728I    DATA FOUND IN EMPTY CI**

**Explanation:** The free area of an empty control interval contains data.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSDfp

---

**IDC11730I    UNSPANNED RECORD FOUND WHEN SPANNED RECORD SEGMENT EXPECTED**

**Explanation:** The first segment of a spanned record has been read, but the current record is not identified as being in an intermediate or last segment.

**System Action:** The index and data control intervals are dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSDfp

---

**IDC11731I    SPANNED RECORD UPDATE NUMBER ERROR**

**Explanation:** The spanned record update number is not the same for all segments of the record.

**System Action:** The relevant index and data control intervals are dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSDfp

---

---

**IDC11732I DATA FOUND IN FREE AREA OF DATA CI**

**Explanation:** The free space of a data component control interval contains residual data.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11733I DATA COMPONENT KEY SEQUENCE ERROR**

**Explanation:** A key sequence error exists in or between data control intervals.

**System Action:** The previous key and the current data control interval are dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11734I SEQUENCE SET AND DATA CI KEY SEQUENCE MISMATCH**

**Explanation:** The data key is not within the range of keys valid for this data control interval. It must be greater than the index key of the previous data control interval, and less than or equal to the index key for this data control interval.

**System Action:** The previous and current index keys and the current data control interval are dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11735I EMPTY CI ENCOUNTERED WHILE PROCESSING SPANNED RECORDS**

**Explanation:** An empty control interval was read, but a spanned record segment was expected.

**System Action:** The relevant index and data control intervals are dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

---

**IDC11736I ERROR IN RDF**

**Explanation:** The record definition field flag byte contains incorrect bits, or, for an index control interval, the length field is incorrect.

**System Action:** The relevant control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11737I A RIGHT RDF IS CODED AS CONTAINING THE NUMBER OF RECORDS IN CI**

**Explanation:** A right record definition field is coded with the attributes of a left record definition field.

**System Action:** The relevant control interval is dumped, processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11738I A LEFT RDF IS CODED AS CONTAINING THE LENGTH OF RECORDS IN CI**

**Explanation:** A left record definition field is coded with the attributes of a right record definition field.

**System Action:** The relevant control interval is dumped, processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11739I SPANNED RECORD SEGMENT SEQUENCE ERROR**

**Explanation:** A record coded as a first segment is found, but an intermediate or last segment is expected, or an intermediate or last segment is found when no first segment was read.

**System Action:** The relevant control interval is dumped, processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11740I DATA RECORDS OVERLAP FREE SPACE OR CONTROL INFORMATION**

**Explanation:** The length of the records in the current control interval exceeds the length specified in the

## IDC11741I • IDC11757I

control interval definition field or overlaps the leftmost record definition field.

**System Action:** The relevant control interval is dumped, processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

### IDC11741I    DUPLICATE CONSECUTIVE KEYS FOUND

**Explanation:** Two consecutive keys are identical.

**System Action:** The current control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

### IDC11742I    MORE SEQUENCE SET CONTROL INTERVALS FOUND THAN EXPECTED

**Explanation:** The index contains too many sequence set control intervals.

**System Action:** The relevant control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

### IDC11743I    SOFTWARE EOF FOUND IN INDEX SEQUENCE SET CI

**Explanation:** An index sequence set control interval contains a software end-of-file.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

### IDC11744I    SOFTWARE EOF NOT FOUND IN THE HIGH-USED RBA CI

**Explanation:** The last data control interval does not contain a software end-of-file.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

### IDC11745I    ERROR IN CIDE

**Explanation:** An error has been found in the control information definition field of the current control interval.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

### IDC11751I    INCONSISTENCY EXISTS BETWEEN CODING OF LEFT AND RIGHT RDF

**Explanation:** The control information of a left record definition field does not agree with the control information of a right record definition field.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

### IDC11755I    LENGTH OF FREE SPACE NOT EQUAL TO VALUE IN CIDE

**Explanation:** The length of the free space in a data control interval does not equal the value in the control interval definition field.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

### IDC11756I    SOFTWARE EOF FOUND IN FREE CI

**Explanation:** A free data control interval contains a software end-of-file.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

### IDC11757I    SOFTWARE EOF FOUND IN DATA CI

**Explanation:** A data control interval contains a software end-of-file.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

---

**IDC11758I SOFTWARE EOF FOUND IN INDEX CI**

**Explanation:** An index control interval contains a software end-of-file.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

---

**IDC11760I CI SIZE INVALID**

**Explanation:** The control interval size was not n times 512 bytes, where n is an integer one to sixteen.

**System Action:** The control interval size is displayed, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

---

**IDC11761I DATA KEY POSITION OR LENGTH ERROR**

**Explanation:** The calculated ending position of the key is greater than the maximum record length, the maximum spanned record length, or the length of the record being processed.

**System Action:** The control interval is dumped, if applicable, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

---

**IDC11762I LENGTH OF VERTICAL POINTER INVALID**

**Explanation:** The index vertical pointer length is not 1, 2, or 3 bytes.

**System Action:** Processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

---

**IDC11763I RBA OF INDEX CI GREATER THAN OR EQUAL TO HIGH-USED RBA**

**Explanation:** The relative byte address of an index control interval is greater than or equal to the index high-used relative byte address.

**System Action:** RBAs are displayed, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

---

**IDC11764I NUMBER OF CONTROL INTERVALS IN CA NOT GREATER THAN ZERO**

**Explanation:** The number of control intervals per control area found in AMDSB is zero.

**System Action:** Processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

---

**IDC11765I DATA HIGH-USED RBA IS NOT A MULTIPLE OF CA SIZE**

**Explanation:** The data high-used relative byte address is not an integral multiple of the control area size.

**System Action:** Processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

---

**IDC11766I ERROR IN INDEX RECORD**

**Explanation:** A field in the index header or entries contain incorrect data.

**System Action:** The index control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

---

**IDC11767I DATA HIGH-ALLOCATED RBA IS NOT A MULTIPLE OF CA SIZE**

**Explanation:** The data high-allocated relative byte address is not an integral multiple of the control area size.

**System Action:** Processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

---

**IDC11768I CI SPLIT IN PROGRESS**

**Explanation:** A control interval split in-progress-indicator was encountered.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSSdfp

**IDC11769I MORE INDEX POINTERS THAN EXPECTED**

**Explanation:** More vertical, horizontal, or base relative byte address pointers have been found while processing an index level than should exist on that level.

**System Action:** Processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

**IDC11770I INDEX RECORD HORIZONTAL POINTER POINTS TO ITSELF**

**Explanation:** An index control interval contains a horizontal pointer specifying the relative byte address of the control interval itself.

**System Action:** The control interval is dumped, and processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

**IDC11771I INVALID RBA GENERATED**

**Explanation:** An incorrect relative byte address has been generated from index component data.

**System Action:** Processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

**IDC11772I HORIZONTAL POINTER CHAIN LOOP**

**Explanation:** A long loop has been discovered in the horizontal pointer chain in an index level.

**System Action:** Processing continues.

**Application Programmer Response:** See summary messages for final analysis.

**Source:** DFSMSdfp

**IDC11808I ERRORS WERE DETECTED FOR *dsname* ON VOLUME *volser* ERROR BYTE WAS X'*nn*'**

**Explanation:** During data collection for the specified data set, errors were detected.

In the message text:

*dsname*

The data set name.

*volser* The volume serial number.

*nn* The hexadecimal error byte.

**System Action:** Processing continues.

**Application Programmer Response:** See the field 'DCDERROR' in that data set's "D" record for the specific failure.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**IDC11812I MESSAGE PROCESSING SUSPENDED, ERROR LIMIT EXCEEDED**

**Explanation:** The number of error messages printed exceeds the number specified in the error limit parameter.

**System Action:** Processing continues.

**Application Programmer Response:** If all error messages are required, increase the error limit or do not specify the error limit parameter.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**IDC11813I ERRORS WERE DETECTED FOR *volser* ERROR BYTE WAS X'*nn*'**

**Explanation:** During volume information processing, errors were detected for the specified *volser*.

In the message text:

*volser* The volume serial number.

*nn* The error byte.

**System Action:** Processing continues.

**Application Programmer Response:** See the field 'DCVERROR' in that *volser*'s V record for the specific error.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp



---

**IDC11816I    DYNAMIC ALLOCATION FAILED FOR VOLUME *volser***

**Explanation:** Volume *volser* could not be dynamically allocated by the system. Severity is 4.

**System Action:** Processing continues with the next volume to be processed.

**Operator Response:** The volume may have been taken off line after the initial list of volumes to be processed was generated by DCOLLECT. Run the job again.

**Application Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and printed output and output data sets related to the problem.

---

**IDC11818I    *type* INFORMATION NOT FOUND**

**Explanation:** This message indicates that a requested definition was not found or unavailable.

In the message text:

*type*

The type of definition not found:

- STORAGE CLASS CONSTRUCT
- MANAGEMENT CLASS CONSTRUCT
- STORAGE GROUP CONSTRUCT
- SMS VOLUME
- BASE CONFIGURATION
- CACHE SET NAME
- AGGREGATE GROUP CONSTRUCT
- OPTICAL DRIVE
- OPTICAL LIBRARY
- ACS ROUTINE

**Note:** CACHE SET NAME in this context refers to a VSAM RLS cache set. See *z/OS DFSMSdfp Storage Administration Reference*.

**System Action:** Processing continues.

**System Programmer Response:** None, the message is informational only.

**Source:** DFSMSdfp

**Detecting Module:** IDCDC03

---

**IDC11819I    DEVICE PENDING OFFLINE - NO RECORDS PROCESSED FOR (*volser*)**

**Explanation:** The specified volume is offline and no data can be processed for this volume.

**System Action:** The system continues processing with the next volume.

**Source:** DFSMSdfp

---

**IDC11860I    NO DBCS CHARACTERS INDICATED IN SOURCE DATA SET**

**Explanation:** DBCS was specified on an access method services (AMS) PRINT or REPRO copy of a data set. This indicated that AMS was to criteria check the DBCS characters in the source data set. However, the data set does not indicate the presence of DBCS characters (no SO or SI characters were located).

**System Action:** Processing continues.

**Application Programmer Response:** This message is informational. However, you may want to recheck the specification of the data set name to ensure that the proper data set was processed, or specify INSERTSHIFT values to insert SO and SI characters to allow the detection of DBCS characters.

**Source:** DFSMSdfp

---

**IDC11861I    INVALID DBCS CHARACTER IN RECORD *number* AT OFFSET *offset***

**Explanation:** INSERTSHIFT or INSERTALL was specified on an access method services (AMS) PRINT or REPRO copy of a data set. AMS, while criteria checking the DBCS characters in the source data set, detected an incorrect DBCS character.

In the message text:

*number* The record number.

*offset* The offset indicated.

**System Action:** Processing continues.

**Application Programmer Response:** This message is informational. However, you may want to recheck the specification of the INSERTSHIFT offsets or the DBCS data. On the AMS PRINT command these characters will be replaced with DBCS periods.

**Source:** DFSMSdfp

---

**IDC11902I    *parameter-name* SET TO DEFAULT OF *default-value***

**Explanation:** The system accepted a default value for the specified parameter.

**System Action:** The system continues processing the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL02

## IDC21009I • IDC21026I

---

**IDC21009I** *entryname, type* **DOES NOT EXIST ON VOLUME** *volser*

**Explanation:** A multivolume data set existed on a volume prior to reset. The data set is not on the volume and will be marked unusable.

In the message text:

<i>volser</i>	The volume serial number.
<i>entryname</i>	The specified entry name.
<i>type</i>	The type of record. The values are defined under message IDC21045I.

**System Action:** Processing continues.

**Application Programmer Response:** The data set on valid volumes may be removed via REPRO prior to deleting the data set. The data set cannot be opened for output.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01

IDCRS03

---

**IDC21020I** **UNABLE TO ALLOCATE** *volser*

**Explanation:** An attempt to allocate a volume for RESETCAT failed. See message IDC3905I.

In the message text:

<i>volser</i>	The volume serial number.
---------------	---------------------------

**System Action:** Processing continues.

**Application Programmer Response:** Make the volume indicated available to RESETCAT via CRAFILES and reissue the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS06

---

**IDC21024I** *entryname, type* **CONTAINS AN INVALID ALIAS CHAIN**

**Explanation:** The alias chain for a user catalog or non-VSAM entry is incorrect.

In the message text:

<i>entryname</i>	The specified entry name.
<i>type</i>	The type of record. The values are defined under message IDC21045I.

**System Action:** Processing continues.

**Application Programmer Response:** The alias chain will be corrected. A LISTCAT should be run to determine which aliases may be lost.

**System Programmer Response:** Enter the access method services LISTCAT command to list catalog

entries and information about objects defined in the catalog.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS02

---

**IDC21025I** *entryname, type* **HAS AN INVALID GDG DATA SET ASSOCIATION**

**Explanation:** The records associating the GDG data set with the GDG base are in error. The GDG base has been recovered; however, the generation data set string associated with this base has been altered to reflect only those data set descriptions which can be located.

In the message text:

<i>entryname</i>	The specified entry name.
<i>type</i>	The type of record. The values of type are defined under message IDC21045I.

**System Action:** Processing continues.

**Application Programmer Response:** Perform a LISTCAT for the GDG base and determine which entries no longer exist. Though entries do not exist, RESETCAT has not altered/scratched the data sets. If the resulting GDG data set string is in error, delete the GDG and redefine it; then catalog the correct generations by name.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

---

**IDC21026I** *entryname, type* **DELETED**

**Explanation:** A previous message indicates an error which resulted in this entry being deleted from the catalog.

In the message text:

<i>entryname</i>	The specified entry name.
<i>type</i>	The type of record. The values of type are defined under message IDC21045I.

**System Action:** Processing continues.

**Application Programmer Response:** The entry noted was deleted. Any space that it occupied has been returned for suballocation if it was a VSAM object. If the entry is desired, it must be redefined and loaded. Note that any objects dependent on this object are also deleted, but no message is given for them. For instance, if a cluster is deleted, all paths, alternate indexes, and the upgrade set are also deleted.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS02

---

**IDC21027I {CRA|CATALOG} SPACE NOT VOLUME  
volser NOT OWNED BY CATALOG**

**Explanation:** The CRA extents or catalog extents have no matching extents in any data space.

In the message text:

*volser* The volume serial number.

**System Action:** Processing continues.

**Application Programmer Response:** The resultant catalog is vulnerable because there are conflicting space ownership requests between the VTOC and the catalog. After the RESETCAT, use EXPORT to transfer all data sets on the volume noted and remove VSAM ownership to the volume. Check the data sets to ensure that they contain reasonable data. Then add ownership to the volume, and then use import to reestablish the data sets.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

---

**IDC21030I *entryname, type* HAS INVALID SPACE  
DESCRIPTION FOR *volser***

**Explanation:** The entry noted claims space on volume. That space is not allocated to that entry.

In the message text:

*entryname* The specified entry name.

*type* The type of record. The values of type are defined under message IDC21045I.

*volser* The volume serial number.

**System Action:** Processing continues.

**Application Programmer Response:** The data set is marked unusable and the volume description invalidatable. LISTCAT may be run to determine the incorrect extents. Delete the data set. Redefine it and reload it.

**System Programmer Response:** Enter the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

---

**IDC21032I *type* DELETED FROM *entryname, type***

**Explanation:** An object of the type specified was defined over the entry named. However, the records describing the object could not be found. Therefore, an object of the type specified was deleted from the given entry name description. No name for the deleted object is given because the record with its name cannot be found.

In the message text:

*entryname* The specified entry name.

*type* The type of record. The values of type are defined under message IDC21045I.

**System Action:** Processing continues.

**Application Programmer Response:** Perform a LISTCAT for the *entryname* noted, and try to determine which entity was deleted and redefine it.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS02, IDCRS03

---

**IDC21034I SPACE MAP ERROR FOR *volser***

**Explanation:** The space map, which indicates which space is available for suballocation on a volume, is not the correct length in the catalog. This may be due to a damaged catalog or CRA. This situation is not correctable by RESETCAT.

In the message text:

*volser* The volume serial number.

**System Action:** Processing continues.

**Application Programmer Response:** All data sets on the volume noted may be EXPORTed, the volume and all VSAM space should be deleted. Redefine the volume in the catalog and IMPORT the data sets. The error noted may create a conflict in space allocated between the VSAM catalog and DADSM allocate.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS03

---

**IDC21045I *entryname, type avol* RENAMED  
*entryname***

**Explanation:** An attempt was made to reset an object that bears the same name as some other object in the catalog. One of the objects was chosen to be renamed as noted in the message.

The types of entries are as follows:

A -- non-VSAM  
B -- GDG base  
C -- cluster  
D -- data  
G -- alternate index  
I -- index  
R -- path  
U -- user catalog  
X -- alias

In the message text:

*entryname* The specified entry name.

## IDC21046I • IDC21101I

*type* The type of record. The values of type are defined under message IDC21045I.

*avol* The volume.

**System Action:** Processing continues.

**Application Programmer Response:** If the renamed entry was a non-VSAM entry, the associated format-1 DSCB has not been renamed. The entry may be deleted (NOSCRATCH), the conflict resolved and the entry redefined.

If a GDG base or GDG set has been renamed, the base and its associated data sets should be deleted (NOSCRATCH) and redefined after resolving the conflict.

If a catalog connector was renamed, that catalog may be EXPORTed (using the DISCONNECT option), the conflict resolved, and the catalog connector entry IMPORTed.

If an ALIAS was renamed the conflict may be resolved, and ALTER issued to rename the entry back.

Note that the non-VSAM and GDG data sets will be inaccessible via this new name, because the Format 1 DSCB name does not correspond to the catalog name. The catalog entry is accessible.

**Source:** DFSMSdfp

**Detecting Module:** IDCERS07

---

**IDC21046I** *entryname, type ON cravol* **RENAMED**  
*entryname*

**Explanation:** An attempt was made to reset a unique object into a catalog which contains an object of the same name. The unique object was renamed along with its corresponding format-1 DSCB on all volumes.

In the message text:

*entryname* The specified entry name.

*type* The type of record. The values of type are defined under message IDC21045I.

*cravol* The catalog recovery area (CRA) volume.

**System Action:** Processing continues.

**Application Programmer Response:** The object noted is accessible. If desired, the conflicting named object in the catalog may be moved or renamed, and this object renamed via ALTER back to its former name.

**Source:** DFSMSdfp

**Detecting Module:** IDCERS07

---

**IDC21047I** *entryname, type ON cravol* **MAY NOT BE**  
**ACCESSED BY NAME**

**Explanation:** An attempt was made to reset a unique object into a catalog which contained an object of the same name. RESETCAT attempted to rename the unique object, but failed either because all volumes were not available (see message IDC3906I) or the RENAME failed.

In the message text:

*entryname* The specified entry name.

*type* The type of record. The values of type are defined under message IDC21045I.

*cravol* The catalog recovery area (CRA) volume.

**System Action:** Processing continues.

**Application Programmer Response:** The object noted may be accessed via the cluster name, but not the data or index name noted. The data set may be EXPORTed, and then IMPORTed after resolving the name conflict in order to gain accessibility via the data or index component name.

**Source:** DFSMSdfp

**Detecting Module:** IDCERS07

---

**IDC21100I** **UNABLE TO DUMP MSC MAIN**  
**STORAGE**

**Explanation:** An error occurred while the Mass Storage Control main storage was being read. The Mass Storage Control main storage cannot be dumped. There is a preceding message that indicates the MSSC reason code associated with the error.

**System Action:** This dump request is bypassed. Remaining dump requests are processed.

**Application Programmer Response:** Take the action associated with the MSSC reason code in the preceding message.

**Source:** DFSMSdfp

**Detecting Module:** IDCDOU01

---

**IDC21101I** **LOWSECTOR X'II' IS GREATER THAN**  
**HIGHSECTOR X'hh'.**

**Explanation:** A sector range was specified incorrectly. The low sector value was greater than the high sector value.

In the message text:

*II* The low sector value.

*hh* The high sector value.

**System Action:** This dump request is bypassed.

Remaining dump requests are processed.

**Application Programmer Response:** Correct the sector range, specifying a low sector value that is lower than the high sector value. Resubmit the command.

**Source:** DFSMSdftp

**Detecting Module:** IDCDU01

#### IDC21103I INVALID SSID *nnnn*

**Explanation:** The SSID value was incorrectly specified for a Staging Adapter. SSIDs for Staging Adapters must be of the form X'08x0', where x is in the range 0 through F.

In the message text:

*nnnn* The SSID value.

**System Action:** Requests for this SSID are bypassed. Remaining dump requests are processed.

**Application Programmer Response:** Correct the SSID and rerun the command.

**Source:** DFSMSdftp

**Detecting Module:** IDCDU01

#### IDC21104I UNABLE TO DUMP SA *nnnn* MAIN STORAGE

**Explanation:** An error occurred while the main storage of the Staging Adapter was being read. The main storage for that Staging Adapter cannot be dumped. There is a preceding message that indicates the MSSC reason code associated with the error.

In the message text:

*nnnn* The SSID value.

**System Action:** This dump request is bypassed. Remaining dump requests are processed.

**Application Programmer Response:** Take the action associated with the MSSC reason code in the preceding message.

**Source:** DFSMSdftp

**Detecting Module:** IDCDU01

#### IDC21105I UNABLE TO DUMP SA *nnnn* EXTENDED STORAGE

**Explanation:** An error occurred while the extended storage of the Staging Adapter was being read. The extended storage for that Staging Adapter cannot be dumped. There is a preceding message that indicates the MSSC reason code associated with the error.

In the message text:

*nnnn* The SSID value.

**System Action:** This dump request is bypassed.

Remaining dump requests are processed.

**Application Programmer Response:** Take the action associated with the MSSC reason code in the preceding message.

**Source:** DFSMSdftp

**Detecting Module:** IDCDU01

#### IDC21109I ONE OR MORE REQUESTED EXTENDED SECTORS ARE NOT AVAILABLE

**Explanation:** One or more of the sectors requested for a Staging Adapter extended storage dump are incorrect in this configuration.

**System Action:** The incorrect sectors are bypassed, but all valid requested sectors are dumped.

**Application Programmer Response:** Correct the values for future dumps.

**Source:** DFSMSdftp

**Detecting Module:** IDCDU01

#### IDC21125I SA 8x0 TABLES CANNOT BE READ: SA IS OFFLINE OR SUU.

**Explanation:** While interrogating the MSC (Mass Storage Control) main sectors 7C-7F, the staging adapter UCB for staging adapter 8 x 0 showed that either the staging adapter was incorrect or, if valid, that the staging adapter was not online, not ready, or both. The common definition for SUU (subsystem unit unusable) is valid and online but not ready.

**System Action:** The request is bypassed. All processing regarding this staging adapter is bypassed, and the remaining requests are attempted.

**Application Programmer Response:** If the staging adapter is offline, vary it online. If it is SUU, see Problem Determination. Resolve the equipment problem and then rerun the job.

**Source:** DFSMSdftp

**Detecting Module:** IDCCH01

#### IDC21127I UNABLE TO READ STAGING ADAPTER STORAGE

**Explanation:** An error occurred while the system was reading staging adapter main storage. Staging adapter main storage cannot be dumped. A message indicating the MSSC (Mass Storage System Communicator) reason code for the error appears prior to this message.

**System Action:** The request is bypassed, and the remaining requests are attempted.

**Application Programmer Response:** Perform the response indicated in the description of the message that identified the MSSC reason code.



## IDC21143I • IDC21363I

**Source:** DFSMSdfp

**Detecting Module:** IDCCH01

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### IDC21143I    **\*\* INCOMPLETE READ REPORT PRODUCED, ERROR AT X LOCATION xxx**

**Explanation:** The AUDITMSS command is unable to read the labels of all the requested cartridges.

In the message text:

xxx        The X coordinate of the cell where the error occurred.

**System Action:** The command ends.

**Application Programmer Response:** Rerun the command for the values not processed (all the cells with X coordinate equal to or greater xxx), after corrective action was taken as indicated in the primary message.

**Source:** DFSMSdfp

**Detecting Module:** IDCCAU03

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### IDC21144I    **LOW XRANGE *lowx* IS GREATER THAN HIGH XRANGE *highx***

**Explanation:** The low value in the XRANGES parameter is greater than the high value. The values must be in the range 150 through 247, and the low value must not be greater than the high value.

In the message text:

*lowx*        The low range.

*highx*       The high range.

**System Action:** The incorrect XRANGE is ignored, and processing continues.

**Application Programmer Response:** Correctly specify the incorrect range and rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCCAU03

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### IDC21147I    **\*\* INCOMPLETE AUDIT REPORT PRODUCED, ERROR WITHIN X RANGE**

**Explanation:** The AUDITMSS command is unable to check the status of all the requested cells. The X coordinates of the range of cells that could not be checked are indicated by *n1 n2*.

**System Action:** The command ends.

**Application Programmer Response:** Rerun the command for the values not processed (all the cells within the range *n1* through *n2*), after corrective action was taken as indicated in the primary message.

**Source:** DFSMSdfp

**Detecting Module:** IDCAU03

---

### IDC21276I    **QCB FOR VOLUME *volser* HAS BEEN MARKED IN ERROR**

**Explanation:** The QCB (queue control block) for the active, general-use volume has been marked in error. The volume being marked in error is valid only if the MSC (mass storage controller) is at EC level 737573 or later.

In the message text:

*volser*       The volume serial number.

**System Action:** The system ends with a message that indicates the severity of the error.

**Operator Response:** None.

**Application Programmer Response:** Use the NULLIFYC command with the NULLIFYQCBINERROR parameter to clear the error flag in the base volume record. You must also specify the ACTIVE and VOLUME parameters.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCC001

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### IDC21363I    **THE FOLLOWING ENTRIES HAD ERRORS**

**Explanation:** This message provides a summary of the errors found by the DIAGNOSE FSR. Each entry name is followed by a reason code indicating the specific error for that entry. For example:

#### **SYS1.VVDS.VCATALG (D) - REASON CODE: 17**

Here SYS1.VVDS.VCATALG is the entry name and 17 is the reason code. (D) is the entry type.

When the error was initially encountered, a specific message was printed and a record dump may have been done. The IDC21363I message provides a summary of the entries which had errors. For VSAM data sets, the entry name may be a cluster, component (data or index), path or true name entry. For non-VSAM entries, the entry name may be an entry or an alias.

**System Action:** DIAGNOSE ended processing of that particular entry and moved along to another entry.

**Application Programmer Response:** Decide on the seriousness of the error and correct the error if need be. The reason codes set by DIAGNOSE are detailed below under message IDC21364I.

**Source:** DFSMSdfp

Detecting Module: IDCDA03

**IDC21364I ERROR DETECTED BY DIAGNOSE:**  
**{VVDS|ICFCAT} ENTRY:** *entry* **RECORD:**  
*rec* **OFFSET:** *offset* **REASON:**  
*reason-code*

**Explanation:** The entry has an error indicated by the reason code. The error occurred in the record specified, where the record is either the key of the record in a BCS, or an RBA for a VVDS. In most cases, this message is followed by an IDC21365I message that displays the record in error. An IDC21363I message summarizes all entries with errors at the conclusion of the DIAGNOSE run.

In the message text:

*entry* The entry name. The entry name is followed by a character which indicates the entry type. See *z/OS DFSMS: Managing Catalogs* for an explanation of the entry types.

*rec* The record in which the error occurred. If the record name is followed by a number greater than X'00', the record is an extension record.

*offset* The offset into the record at which the error was found.

*reason-code* The reason code, as follows:

Code	Explanation
1	CELL LENGTH IS ZERO
2	CELL TYPE NOT RECOGNIZED
3	RECORD TYPE NOT RECOGNIZED
4	UNEXPECTED RECORD ID ENCOUNTERED
5	COMPONENT LENGTH IS ZERO
6	CELL LENGTH TOO LARGE
7	CELL LENGTHS SUM AND COMPONENT LENGTH DISAGREE
8	REPEATING CELL NOT VALID
9	RECORD LENGTH INCORRECT

**1 CELL LENGTH IS ZERO**

Each record is composed of cells, each of which has a cell type and a cell length. The indicated entry has a cell length of zero, which is an error. This error may be caused by incorrect positioning (caused by some other error) or the length may actually be zero.

**2 CELL TYPE NOT RECOGNIZED**

Various catalog records can only contain certain cell types. The record being analyzed contained a cell type that either did not belong in the record or was not a legal cell type. This error may be caused by an incorrect length in the preceding cell that resulted in incorrect positioning.

**3 RECORD TYPE NOT RECOGNIZED**

Each record in a BCS or VVDS has a record type. The record named has an invalid type for integrated catalog facility catalogs.

**4 UNEXPECTED RECORD ID ENCOUNTERED**

While processing an entry, a cell type was encountered that signalled the beginning of a new record. This may be caused by an invalid length value or a damaged entry.

**5 COMPONENT LENGTH IS ZERO**

VSAM clusters and alternate indexes, and generation data groups, have components. While checking one of these types of entries, DIAGNOSE found a component length of zero. However, component length should always be greater than zero.

**6 CELL LENGTH TOO LARGE**

A cell length was found that is inconsistent with component or record length. This may describe the cell being processed or the preceding cell.

**7 CELL LENGTHS SUM AND COMPONENT LENGTH DISAGREE**

The sum of all cell lengths in a component is not equal to the component length, which it should be. Either the component length is wrong or one of the cell lengths is wrong.

**8 REPEATING CELL NOT VALID**

Although certain cells such as volume cells can occur more than once in an entry, most cells may not. The indicated cell occurred more than once, but is a type of cell that should not.

**9 RECORD LENGTH INCORRECT**

		The record length at the front of the record is not the same as the length stored by VSAM record management.			The fields and their lengths must be equal; they were not.
10	INCOMPLETE EXTEND DETECTED		16	VVDS AND VTOC STARTING CCHH UNEQUAL	
		The EXTEND function did not execute to completion. The named entry was interrupted in the middle of an EXTEND/EOV operation.			The extents in the VTOC DSCB and VVDS record were compared. They were not equal, although they should be.
11	INCOMPLETE DELETE DETECTED		17	VTOC ENTRY NOT FOUND	
		The DELETE function did not execute to completion. This may indicate existence of partial record structures in the BCS.			The data set control block (DSCB) for the named entry could not be found in the VTOC.
12	CATLG AND VVDS NAMES UNEQUAL		18	VVDS ENTRY NOT FOUND	
		There are four name fields in a VVDS record. The BCS entry and the VVDS entry do not have precisely the same names (length fields must also be the same) for one of the following four fields:			There should be a VVDS entry for this BCS entry, but one could not be found.
		<ul style="list-style-type: none"> <li>• Record name</li> <li>• Subrecord name</li> <li>• Component name</li> <li>• Catalog name</li> </ul>	19	CATLG ENTRY NOT FOUND	
					The BCS should have an entry for the VVDS record, but one could not be found.
13	VVDS AND VTOC EXTENT SEQ. NO. UNEQUAL		20	ASSOCIATION NOT FOUND	
		VTOC sequence numbers start at 0; VVDS record sequence numbers start at 1. The VVDS record number should always be one greater than the VTOC number. An exception to this rule is the VVR sequence number for key range data sets.			Certain types of BCS entries may be paired with other BCS entries. For example, catalogs, non-VSAM data sets, and generation data sets are paired with their aliases, and VSAM data sets are paired with their paths. This pairing of one record with another is called an "association." Associations between entries are connected by name and are indicated by an association cell in an entry. The indicated association name cannot be found elsewhere in the BCS.
14	CATLG AND VVDS VOLFLG UNEQUAL		21	ASSOCIATION LOOP FAILURE	
		VOLFLG is a field in the VVDS record for the named entry. This field has prime and overflow indicators. For the named entry, the indicators in the BCS and VVDS are not equal.			For an explanation of "association", see reason code 20. If an association can be found, but the association does not point back to the original entry, an association loop failure exists. For example, if a non-VSAM data set has an alias, the alias record should
15	CATLG AND VVDS KEYS UNEQUAL				
		BCS and VVDS records both have high and low key fields.			

	point back to the non-VSAM data set record.		Each alternate index entry is reflected in the REL ("relation") cell of the associated cluster record. An alternate index entry was found that was not reflected in a REL cell.
22	<p>TRUENAME NOT FOUND</p> <p>VSAM clusters with components have more than one catalog entry. The associated components have truename entries. A truename entry was not found, although there should be one.</p>		
23	<p>TRUENAME LOOP FAILURE</p> <p>The truename entry for a cluster did not point back to the cluster record.</p>	30	<p>REL CELL ENTRY NOT FOUND</p> <p>An entry in a REL ("relation") cell in a cluster record does not represent an alternate index entry.</p>
24	<p>REQUIRED CELL MISSING, CELL TYPE <i>type</i></p> <p>Depending on the component or entry type, certain cells are required. The cell type indicated is required, but missing.</p>	31	<p>OPEN OF COMPARE DATA SET FAILED</p> <p>The BCS named in the VVDS record could not be opened.</p>
25	<p>ALLOCATE OF COMPARE DATA SET FAILED</p> <p>The BCS named in the VVDS record could not be allocated.</p>	32	<p>WRONG RECORD TYPE</p> <p>A BCS record which matches a VVDS record was found, but the BCS record is not a cluster, truename, or non-VSAM record.</p>
26	<p>CELL TYPE INVALID IN CONTEXT</p> <p>The indicated cell is a valid cell type, but it is not valid for the type of entry being scanned.</p>	33	<p>INCOMPLETE UPDATE DETECTED</p> <p>The current entry was undergoing a subrecord update/move operation that did not complete. This record or subrecord may be damaged.</p>
27	<p>ENTRY MISSING FROM GAT CELL</p> <p>Each generation data set entry should be reflected in the generation aging table (GAT) cell of the generation data group entry. An entry is missing.</p>	34	<p>VVDS AND VTOC ENDING CCHH UNEQUAL</p> <p>The extent information kept in the VTOC and VVDS should agree, but do not.</p>
28	<p>GAT CELL ENTRY NOT FOUND</p> <p>Each entry in a GAT cell represents a generation data set entry within the current generation data group record. No generation data set could be found for a GAT cell entry.</p>	35	<p>VVDS AND VTOC EXTENT COUNTS UNEQUAL</p> <p>The extent information kept in the VTOC and VVDS should agree, but do not.</p>
29	<p>ENTRY MISSING FROM REL CELL</p>	36	<p>LENGTH OF NAME INVALID</p> <p>The length of a name cell should be from 1 to 45 characters long, but is not.</p>
		37	<p>ASSOCIATION NAME CELL NOT FOUND</p> <p>A BCS entry that matches a VVDS record was found, but the BCS entry was missing its required association cell.</p>

38	CLUSTER AND EXTENSION RECS SMS MISMATCH	multiple VVDS records pointing to the same BCS.
	A VSAM extension record indicates that the cluster is SMS-managed, but the associated cluster record indicates that the cluster is not SMS-managed, or vice versa.	46 VVDS ENTRY NOT FOUND. ALLOCATION ERROR.  An attempt to allocate the BCS named in the VVR failed.
39	BASE OR COMPONENT CELL NOT FOUND	47 VVDS ENTRY NOT FOUND. DATA SET OPEN ERROR.  An attempt to open the BCS named in the VVR failed.
	Although a truname record was found for a component, the associated cluster record or component cell was not found.	48 VVDS ENTRY NOT FOUND. GET RECORD FAILED.  An attempt to get a VVR/NVR record that matches the BCS record failed.
40	COMPONENT CELL NOT FOUND	49 VVDS ENTRY NOT FOUND. SCAN RECORD FAILED.
	The component cell for a VSAM cluster could not be found within the cluster's sphere record in the BCS.	An attempt to get the specific VVR/NVR within the CI that matches the BCS record failed.
41	DUPLICATE VVR/NVRS IN VVDS	50 VVDS ENTRY NOT FOUND. GET VVDS FAILED.
	Two VVRs for a VSAM component, or two NVRs for a non-VSAM data set, were found in the VVDS. Both records are displayed.	An attempt to get the entire VVDS record that matches the BCS record failed.
42	NONSYSTEM DEFAULT CATALOG NAME IN VVDS	51 VVDS ENTRY NOT FOUND. SCAN VVDS FAILED.
	The catalog named in the VVDS record for an SMS-managed data set is not the system default catalog. (The default catalog is the catalog that is chosen for a data set when the catalog search is not being directed by the user.)	An attempt to get the specific VVR/NVR within the VVDS that matches the BCS record failed.
43	CATALOG AND VVDS SMS CONSTRUCTS UNEQUAL	52 INVALID VOLSER FOR MIGRATION CELL.  A Migration Cell was found in the BCS, but the VOLSER in the Volume Cell is not equal to 'MIGRATE'.
	The storage class or management class names are not the same in the catalog and VVDS records. The catalog and VVDS records are displayed.	53 RESERVED BITS SET IN CATALOG ALIAS ENTRY.  The alias entry shown contains reserved flags that are incorrectly set.
45	VOLUME CELL NOT FOUND	<b>System Action:</b> Processing continues with another record.
	A volume cell that matches the volume serial number of the VVDS was not found. This may indicate an orphaned VVDS record or	<b>Application Programmer Response:</b> Except for the reason codes listed below, use the following procedures to recover from these conditions:  <i>For BCS Entries:</i>



1. Use DELETE NOSCRATCH to remove the sphere or base record, if it exists.
2. Use DELETE TRUENAME to remove any remaining association records.
3. Reintroduce the removed entries into the catalog, by recataloging or redefining them. Introduce generation data sets into the generation data group in the proper order.

*For VVDS records:*

1. Use DELETE NOSCRATCH to remove the entries from the BCS, if they exist.
2. Use DELETE VVR or NVR to remove the damaged VVDS records.
3. Restore the data set from a backup copy.

For the following reason codes, recover as indicated:

Code	Action
10	You should recover the data set. Records existing in a data set prior to the aborted extend operation should still be accessible if the data set is opened for input only. You can retrieve these records by using the REPRO command. After you retrieve the records, you can delete or redefine the data set. Then reinsert the records by using the REPRO command.
11	You can finish the deletion process by rerunning the DELETE job.
12	If the catalog names disagree, remove the entries in the BCS by using the DELETE command with the NOSCRATCH option. At this point, if the VVDS record contains the desired catalog name, you can catalog the data set into the desired BCS by using the DEFINE RECATALOG command; otherwise, catalog the data set into the catalog indicated in the VVDS record. (It will be necessary to define this catalog if it does not exist.) Then move the catalog record to the desired catalog by using the REPRO MERGECAT command.  If the names that disagree are not catalog names, and if the VVDS record is correct, remove the entries from the BCS by using the DELETE command with the NOSCRATCH option. Then use the DEFINE RECATALOG command to recatalog the data set.  If the VVR is incorrect, remove the data set by using the EXPORT command. At this point, you can import the data set using the IMPORT command with the desired NEWNAMES parameter.
25	Check for OPEN or allocation error messages to determine the source of the problem.
31	Check for OPEN or allocation error messages to determine the source of the problem.



- 35 Delete the cluster entry with DELETE NOSCRATCH, and recatalog it with DEFINE RECATALOG. Then rebuild the alternate index with DEFINE ALTERNATEINDEX and BLDINDEX.
- 41 Delete the data set. Then use DELETE VVR or NVR to delete the duplicate VVDS record. Recover the data set from a backup copy.
- 42 Use REPRO MERGECAT to move the data set's catalog entry to the correct catalog.
- 43 Use DELETE NOSCRATCH to delete the BCS record, and DEFINE RECATALOG to recreate the BCS record. The storage class and management class may be changed with ALTER if they are incorrect.
- 45 Delete the orphaned or extra VVDS records.
- 46 Determine if the BCS named in the VVR is valid. If necessary, see *z/OS DFSMS: Managing Catalogs* for the appropriate recovery procedures.
- 47 Determine if the BCS named in the VVR is valid. If necessary, see *z/OS DFSMS: Managing Catalogs* for the appropriate recovery procedures.
- 48 Determine whether the BCS entry or the VVR/NVR entry is in error. See *z/OS DFSMS: Managing Catalogs* for the appropriate recovery procedures.
- 49 Determine whether the BCS entry or the VVR/NVR entry is in error. See *z/OS DFSMS: Managing Catalogs* for the appropriate recovery procedures.
- 50 Determine whether the BCS entry or the VVR/NVR entry is in error. See *z/OS DFSMS: Managing Catalogs* for the appropriate recovery procedures.
- 51 Determine whether the BCS entry or the VVR/NVR entry is in error. See *z/OS DFSMS: Managing Catalogs* for the appropriate recovery procedures.
- 53 Delete and redefine the alias entry to correct the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCDA02

---

**IDC21365I** *text* **RECORD DISPLAY: RECORD: rec**

**Explanation:** *text* is one of the following:

ICFCATALOG  
VVDS  
VTOC

The record which follows was involved in an error detected by DIAGNOSE. A previous error message

## IDC21372I • IDC21410I

indicates which error; the record is the key or RBA of the record involved in the error. The first X'44' bytes of the Format 1 DSCB are not displayed.

In the message text:

*rec*      The record in which the error occurred.

**System Action:** The record is displayed and DIAGNOSE continues.

**Application Programmer Response:** Use this record display to analyze the error and determine correction techniques.

### System Programmer Response:

If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCDA03

---

### IDC21372I      xxxxxxxxxxxxxxxx IS NOT {AN ICFCATALOG|A VVDS}

**Explanation:** The DDNAME or DSN given was not the type indicated in the DIAGNOSE command syntax. If the data set to be scanned is an ICFCATALOG, the compare parameter should indicate a VVDS. If input data set is a VVDS, the compare parameter should indicate an ICFCATALOG.

In the message text:

xxxxxxxxxxxxxxxx      The indicated DD  
name or data set  
name.

**Application Programmer Response:** Check for spelling error. Check for message IDC11373I to see if compare elements were not used during the DIAGNOSE run. Correct the statement and resubmit the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCDA01

---

### IDC21404I      *dsname* IS AN INVALID ASSOCIATION FOR SPHERE TYPE

**Explanation:** The data set is not a valid association for its base object.

In the message text:

*dsname*      The data set name.

**System Action:** The base object and any of its associations already defined will be deleted from the

target catalog and the processing will continue with the next base object.

**Application Programmer Response:** Correct the problem and rerun the job.

**System Programmer Response:** Enter the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog. If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC02

---

### IDC21409I      CONVERSION FAILED FOR SPHERE *dsname*

**Explanation:** The specified sphere base could not be converted to the target catalog.

In the message text:

*dsname*      The data set name.

**System Action:** Processing is continued with the next base object.

**Application Programmer Response:** Correct the problem indicated in a preceding message and rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

### IDC21410I      DELETE OF SPHERE *sph* FROM {TARGET|SOURCE} CATALOG FAILED

**Explanation:** CNVTCAT or REPRO MERGECAT has attempted to delete a sphere from the source or target catalog and has failed. When the sphere is not deleted from the source catalog, the sphere exists in both source and target catalogs. When the sphere is not deleted from the target catalog, only a partial sphere may exist in the target catalog and the sphere exists in the source catalog as it did before the processing began.

In the message text:

*sph*      The indicated sphere.

**System Action:** Processing of the sphere is ended and processing continues with the conversion of the next sphere's base.

**Application Programmer Response:** You can respond to one of the following conditions:

- If the operation was a CNVTCAT, restore the volumes, correct the problem and rerun the job.
- If the operation was a REPRO MERGECAT and the delete failed for the source catalog, issue an Access Method Services DELETE NOSCRATCH to remove the catalog entries for sphere *dsname* from the source catalog.
- If the delete failed for the target catalog, restore the volumes, correct the problem and rerun the job.

**System Programmer Response:** Enter the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

#### **IDC21411I DATA SET *dsname* IS MARKED NOT USABLE**

**Explanation:** The specified data set has been marked as not usable by a DELETE FORCE operation or by a RESETCAT operation because of space occupancy conflict.

In the message text:

*dsname*  
The data set name.

**System Action:** If the sphere base and any of its associations have been defined in the target catalog they will be deleted from the target catalog. Then processing is continued with the next base object.

**Application Programmer Response:** The data set can be recovered by using the REPRO command. Then reissue the CNVTCAT command.

**System Programmer Response:** Enter the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC02

#### **IDC21412I DEFINE FAILED FOR *dsname***

**Explanation:** The define failed for the specified data set.

In the message text:

*dsname*  
The data set name.

**System Action:** If *dsname* is a base object and any of its associations have been defined in the target catalog, *dsname* and its associations will be deleted from the target catalog. The processing is continued with the next base object. If *dsname* is a VSAM Volume Data Set (VVDS), CNVTCAT processing is ended.

**Application Programmer Response:** Restore the catalog volume and all volumes owned by the catalog; correct the problem and reissue the CNVTCAT command.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC02

#### **IDC21558I THE REQUEST FOR AN ACCESS CODE CANNOT BE COMPLETED FOR CLUSTER X'cluster' - reason**

**Explanation:** The LISTDATA command to retrieve the remote access authorization code was not successful for the reason specified. In the message text:

*cluster* The 2 hexadecimal digit storage cluster number.

*reason* The reason for the error, as follows:

- THE SUPPORT FACILITY IS NOT AVAILABLE
- THE MODEM ENABLE/DISABLE SWITCH IS NOT ENABLED

**System Action:** Processing continues.

**Application Programmer Response:** Probable user error. Ascertain why the access authorization code was not returned from the reason specified and resubmit the request when the access code is obtainable.

**Source:** DFSMSdfp

**Detecting Module:** IDCLA01

#### **IDC21608I PAIR IS NOT IN SUSPENDED DUPLEX MODE, CANNOT {RESETTODUPLEX | REESTABLISHDUPLEX}**

**Explanation:** A SETCACHE command requiring that the duplex pair be in suspended mode was issued and the devices were not in suspended duplex state.

**System Action:** Processing continues.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

#### **IDC21700I MINOR ERRORS FOUND BY INDEXTEST**

**Explanation:** INDEXTEST discovered minor errors during evaluation of the data set index component.

**System Action:** INDEXTEST concludes with a return code of four (4).

**Application Programmer Response:** The discovered errors should not affect normal processing; however, the user may wish to verify or rebuild the data set to eliminate the diagnostic errors.

**Source:** DFSMSdfp

## IDC21701I • IDC21804I

---

### IDC21701I MAJOR ERRORS FOUND BY INDEXTEST

**Explanation:** INDEXTEST found major errors during evaluation of the data set index component.

**System Action:** INDEXTEST concludes with a return code of eight (8).

**Application Programmer Response:** The data set should not be accessed using the index prior to further diagnostic testing. If DATATEST processing completes successfully, you should be able to use export and import of the data set (via the EXPORT and IMPORT commands) to rebuild the index.

**Source:** DFSMSDfp

---

### IDC21702I MINOR ERRORS FOUND BY DATATEST

**Explanation:** DATATEST found minor errors during evaluation of the data set data component. Error messages displayed prior to this message describe whether the problem lies within the data repository or the index sequence set.

**System Action:** DATATEST concludes with a return code of four (4).

**Application Programmer Response:** Minor errors do not generally result in loss of data. Regeneration of the data set, using a backup copy, is advisable to eliminate any current or future problems.

**Source:** DFSMSDfp

---

### IDC21703I MAJOR ERRORS FOUND BY DATATEST

**Explanation:** DATATEST discovered one or more major errors during evaluation of the data set data component. Error messages displayed prior to this message describe whether the problem lies within the data repository or the index sequence set.

**System Action:** DATATEST concludes with a return code of eight (8).

**Application Programmer Response:** Data validity is in question; records may be missing, duplicated, or in error. The data set must be reconstructed using a backup copy.

**Source:** DFSMSDfp

---

### IDC21803I STORAGE GROUP NAME *name* DOES NOT EXIST

**Explanation:** The specified storage group name is not defined to the system.

In the message text:

*name* The storage group name.

**System Action:** Processing continues with the next storage group.

**Application Programmer Response:** Verify validity of specified storage group.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSDfp

---

### IDC21804I FAILURE DURING *function* PROCESSING - RETURN CODE WAS *return-code*, REASON CODE WAS *reason-code* VOLSER WAS *volser*

**Explanation:** The return code and reason code were returned by catalog management module ARCUTIL, DEVINFO, or VVAS as a result of an exceptional condition. The VOLSER line will only be output if the failure was from the VVAS.

In the message text:

<i>function</i>	The name of the function that was processing when the error occurred.
<i>return-code</i>	The return code.
<i>reason-code</i>	The reason code.
<i>volser</i>	The Volume Serial number. (Only if VVAS failure.)

**System Action:** Processing associated with the error return code is ended.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

A list of the return and reason codes follow for each function affected:

#### Function

##### MIGRATION DATA COLLECTION SERVICE

Code	Reason	Explanation
04		Incorrect parameter list.
01		UPID not equal to UPIDNAME.
02		UPVERS incompatible with current version used by ARCUTIL.
03		Data control block (DCB) address not provided.

08	04	No functions to perform.	14	Storage for the device number list is not owned by the caller.
	05	Incorrect combinations of options.	18	Storage for the PDAREA is not provided, is not owned by the caller, or is too small.
	01	DFSMSHsm MCDS could not be opened.	1C	Storage for the return area is too small to contain at least a header and one entry.
	02	DFSMSHsm BCDS could not be opened.	20	A bad resume code was passed by the caller.
0C	01	More than 10 read errors occurred accessing the DFSMSHsm MCDS.	24	No matches were found; search arguments given are too restrictive.
	02	More than 10 read errors occurred accessing the DFSMSHsm BCDS.	28	No requests specified.
	03	User specified DUMMY on the MCDS or BCDS DD statement. This is not accepted when requesting the corresponding MCDS/BCDS statistics.	2C	Incorrect parameter list level.
			30	Conflicting features request.
10			34	Incorrect device number passed.
			38	Incorrect device number passed.
			3C	A release call was made but there was no storage to free.
14			04	The pointer in JESCT to the EDT is zero.
			18	An error return code was received from common filter services.
			1C	An abend occurred.
			20	A nonzero return code was returned from IEFEB4UV.
Function			24	A nonzero return code was returned from DEVTYPE.
DEVICE INFORMATION SERVICE				
Code	Reason	Explanation	Code	Explanation
00				
10				
	04	Storage for the parameter list is not owned by the caller.		
	08	Size of parameter list is incorrect.		
	0C	Storage for the return area is not provided or is not owned by the caller.		
	10	Storage for the volume serial list is not owned by the caller.		
Function				
VTOC/VVDS ACCESS SERVICE				
Code		Explanation		
08		An error occurred while accessing the volume table of contents (VTOC). The reason code contains the CVAFFILT return code. See <i>z/OS DFSMSdfp Diagnosis Reference</i> for more information about the CVAF reason code.		
0C		An error occurred while accessing		



## IDC21805I • IDC21814I

the VSAM volume data set (VVDS). The reason code contains the VVDS Manager return code. See the list of reason codes for IDC3009I, return code 50.

**10** Processing error. The reason code is the SVC number.

**20** Parameter list error.

**Source:** DFSMSdfp

---

### IDC21805I ATTEMPT TO ACQUIRE INFORMATION FAILED FOR VOLSER *volser*

**Explanation:** The specified volume was selected for processing but extracted information was insufficient to continue processing.

In the message text:

*volser* The volume serial number.

**System Action:** Processing continues with the next volume.

**Application Programmer Response:** Ensure that the user control block (UCB) for this volume is valid.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

---

### IDC21807I FAILURE DURING *function* PROCESSING - RETURN CODE WAS *return-code*

**Explanation:** The return code was returned by the named function as a result of an exceptional condition.

In the message text:

*function*  
The name of the function, such as TRACK CIRCULATION SERVICE or LSPACE service.

*return-code*  
The return code. See *z/OS DFSMSdfp Storage Administration Reference* for the return codes to TRACK CIRCULATION SERVICE.

**System Action:** Processing associated with the error return code ends.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the

JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

---

### IDC21809I FAILURE ATTEMPTING TO WRITE *xx*-TYPE RECORD FOR DATA SET *dsname* ON VOLUME *volser*

**Explanation:** The record built for the specified data set could not be written to the output data set.

In the message text:

*xx* The type record.

*dsname*  
The data set name.

*volser* The volume serial number.

**System Action:** Processing continues.

**Application Programmer Response:** Correct the problem. Run the utility again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

---

### IDC21814I FAILURE DURING *function* PROCESSING FOR *dsname* - RETURN CODE WAS *return-code*

**Explanation:** The return code was returned with the named function as a result of an exceptional condition.

In the message text:

*function* The name of the function.

*dsname* The data set name.

*return-code* The return code.

**System Action:** Processing associated with the error return code ends.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

A list of the return and reason codes follow for each function affected:

#### Function

DASD CALCULATION SERVICE

Code	Reason	Explanation
------	--------	-------------

04	Information for this data set could not be calculated.
10	Return area provided is too small.
14	Associated with the following reason codes:
00	Size of parameter list is incorrect.
04	Parameter list not owned by the caller.
08	Incorrect device specification.
0C	RTNAREA not specified (address is zero).
10	RTNAREA not owned by caller.
14	PDAREA not specified (address is zero).
18	PDAREA not owned by caller.
1C	PDAREA too small.
20	DCSDS table not owned by caller.
24	No requests specified.
18	Error encountered in call to CVAF.
1C	ABEND detected with RETRY parameter specified.
20	Storage unavailable.
24	DCS unable to open volume table of contents (VTOC).
28	Error encountered in call to device information services.
2C	Error encountered in call to TRKCALC for a globally used value (value is not data set-specific).

Source: DFSMSdfp

---

**IDC21815I    ARCUTIL NOT CALLED. DATA CONTROL BLOCK ADDRESS IS INVALID**

**Explanation:** The address of the output data set's data control block (DCB) cannot be passed to ARCUTIL, which builds the records for migrated data sets, backup versions, and capacity planning information. The severity is 8.

**System Action:** Processing associated with ARCUTIL is bypassed.

**Operator Response:** The output data set's I/O is being controlled by the user. If "M", "B", "C", or "T"

records are required, IDCAMS must open the output data set so that the DCB can be passed to ARCUTIL.

**Application Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and printed output and output data sets related to the problem.

---

**IDC21862I    DBCS CRITERIA ERROR IN RECORD  
number AT OFFSET offset**

**Explanation:** DBCS was specified on an access method services (AMS) PRINT or REPRO copy of a data set operation. AMS, while criteria checking DBCS characters to be printed or copied, detected that characters indicated as DBCS do not meet criteria.

In the message text:

*offset*    The offset.

*number*    The record number in the source data set.

**System Action:** Processing continues. The return code is 8.

**Application Programmer Response:** Make sure the DBCS data meet the following criteria:

- The data must be bracketed by paired SO and SI characters when in combination with SBCS data.
- The number of bytes between the SO and SI characters must be even, since each DBCS character requires two bytes to represent it.

Source: DFSMSdfp

---

**IDC31000I    CATALOG NOT A RECOVERABLE CATALOG**

**Explanation:** The catalog specified for reset is not a recoverable catalog.

**System Action:** The RESETCAT command is ended. No change has been made to the catalog or a Catalog Recovery Area (CRA).

**Application Programmer Response:** Respecify the catalog to be reset.

Source: DFSMSdfp

Detecting Module: IDCRS02

---

**IDC31001I    SYSTEM MASTER CATALOG SPECIFIED FOR RESET**

**Explanation:** The master catalog was specified for reset. The master catalog cannot be reset while it is in use as a master catalog.

**System Action:** The RESETCAT command is ended. No change has been made to the catalog or a Catalog Recovery Area (CRA).

## IDC31004I • IDC31010I

**Application Programmer Response:** Ensure that the catalog to be reset is not in use as a master catalog before issuing RESETCAT.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01

---

### IDC31004I DEFINE OF WORK FILE FAILED

**Explanation:** DEFINE failed for the work file. Message IDC3009I precedes this message identifying the Catalog Management return code which will indicate the reason for failure.

**System Action:** The RESETCAT command is ended. No change has been made to the catalog or a Catalog Recovery Area (CRA).

**Application Programmer Response:** Take corrective action as noted in the IDC3009I message.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS06

---

### IDC31005I WORK FILE DEFINED IN THE CATALOG TO BE RESET

**Explanation:** The work file was defined in the catalog to be reset.

**System Action:** The RESETCAT command is ended. No change has been made to be catalog or a Catalog Recovery Area (CRA).

**Application Programmer Response:** Specify a catalog other than the one being reset via the WORKCAT parameter, or specify another catalog as the first concatenated entry in the JOBCAT or STEPCAT statement.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS02

---

### IDC31006I PHYSICAL I/O ERROR - VSAM ACTION CODE *actcde*

**Explanation:** A physical I/O error on the catalog was encountered while extending the catalog.

In the message text:

*actcde* The action code.

**System Action:** The RESETCAT command is ended.

**Application Programmer Response:** Correct the physical error and reissue RESETCAT. The VSAM action code can be found in the *z/OS DFSMS Macro Instructions for Data Sets*. The catalog and CRA entries have not been altered and hence are recoverable in their current state - barring the I/O error.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS07

---

### IDC31007I LOGICAL I/O ERROR - VSAM ACTION CODE *actcde*

**Explanation:** A logical I/O error was encountered while extending the catalog during RESETCAT. There were not enough free records in the catalog being reset, consequently RESETCAT attempted to get more.

In the message text:

*actcde* The action code.

**System Action:** The operation is ended.

**Application Programmer Response:** Correct the logical error. The VSAM action code can be found in *z/OS DFSMS Macro Instructions for Data Sets*. If the catalog has reached 16 extents and cannot be extended further, a larger catalog may be defined in which to perform the RESETCAT. The catalog and CRA entries have not been altered.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS07

---

### IDC31008I ERROR ACCESSING THE CATALOG

**Explanation:** RESETCAT encountered an error trying to access the data set specified by the CATALOG parameter. Message IDC3009I precedes this message identifying the specific error.

**System Action:** The operation is ended.

**Application Programmer Response:** Correct the error specified in the IDC3009I message and reissue the command. If the error is not correctable, a new catalog of the same name may be defined into which all of the volumes owned by the failing catalog may be reset using RESETCAT. The entries in the catalog have not been altered.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01

---

### IDC31010I CRA DOES NOT BELONG TO CATALOG - VOL *volser*

**Explanation:** The CRA was specified for reset, but it belongs to a catalog other than the catalog to be reset.

In the message text:

*volser* The volume serial number.

**System Action:** The operation is ended.

**Application Programmer Response:** Respecify the correct volume to be reset and reissue the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01

---

**IDC31012I    MAXIMUM RELATIVE RECORD  
NUMBER EXCEEDED IN WORK FILE**

**Explanation:** The work file relative record number (rrn) limit has been exceeded. No more records can be written to the work file. The resultant catalog is too large.

**System Action:** The operation is ended.

**Application Programmer Response:** Respecify subsets of the CRA volumes specified for reset and issue multiple RESETCAT commands. The catalog entries have not been altered.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS06

---

**IDC31013I    COULD NOT MERGE ONE OR MORE  
CRAS**

**Explanation:** See preceding message which indicates that:

- Open failed for CRA (IDC3300I)
- Close failed for CRA (IDC3301I)
- CRA does not belong to catalog to be reset (IDC31010I)

**System Action:** The operation is ended.

**Application Programmer Response:** Correct the error in the referenced message and reissue the command. The catalog entries have not been altered.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01

---

**IDC31014I    DELETE OF WORK FILE FAILED**

**Explanation:** DELETE failed for the work file. Message IDC3009I precedes this identifying the specific error.

**System Action:** The operation is ended.

**Application Programmer Response:** Unless some previous message indicates an ending error, the RESETCAT operation has been completely performed. The work file may be deleted using the DELETE command after correcting the error indicated in message IDC3009I.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS06

---

**IDC31016I    NO CRA SPECIFIED FOR RESET**

**Explanation:** The CRAFILES parameter specified no CRA with the ALL option; hence, no volume was specified for reset.

**System Action:** The operation is ended.

**Application Programmer Response:** Specify the

correct volumes for reset and issue the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01

---

**IDC31017I    UNABLE TO GET EXCLUSIVE USE OF  
THE CATALOG**

**Explanation:** Some other task is open to the catalog requested to be reset. The RESET operation is unable to reset a catalog without exclusive use.

**System Action:** The operation is ended.

**Application Programmer Response:** For the catalog being reset, specify DISP=(OLD,KEEP) on the DD statement, or get exclusive use. Reissue the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01

---

**IDC31018I    CRA UNAVAILABLE**

**Explanation:** RESETCAT required a volume that could not be allocated.

**System Action:** The operation is ended.

**Application Programmer Response:** A secondary CRA volume was required during the reset of a catalog and it was not available. If enough units are not available, specify the volume via a DD statement and include that DD statement in the CRAFILES parameter on the command indicating NONE. See message IDC21020I.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01

---

**IDC31019I    CRA *volser* SPECIFIED FOR RESET  
MORE THAN ONCE**

**Explanation:** The CRAVOLS parameter specified the same volser more than once, or the CRAFILES parameter specified the same volser more than once via ddnames.

In the message text:

*volser*    The volume serial number.

**System Action:** The operation is ended.

**Application Programmer Response:** Specify the correct volumes for reset and reissue the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01

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**IDC31035I BAD VOLUME RECORDS FOR *volser***

**Explanation:** In a CRA, either the volume record for the *volser* indicated does not exist or one of its secondary records does not exist (IEC11022I). If IGNORE was specified, the reset will occur. This may mean that all data sets allocated on this volume will be marked unusable. If NOIGNORE was specified, the RESETCAT operation ends before updating the catalog or CRA(s).

In the message text:

*volser* The volume serial number.

**System Action:** The command may end (see Explanation).

**Application Programmer Response:** If IGNORE was specified, no error exists in the catalog; accompanying messages will indicate any action taken on individual data sets as a result of this. If NOIGNORE was specified, use EXPORTRA to export all VSAM data sets on this volume, FORCE DELETE the volume, and use IMPORTRA to recover all data sets.

**Source:** DFSMSdfp

**Detecting Module:** IDCRS01, IDCRS03

---

**IDC31038I COULD NOT UPDATE ONE OR MORE CRAS**

**Explanation:** See preceding message which indicates that:

- Open failed for CRA (IDC3300I)
- Close failed for CRA (IDC3301I)

**System Action:** The operation is ended.

**Application Programmer Response:** Correct the error in the referenced message and reissue the command. The catalog entries have been updated but the CRA entries have not.

**Source:** DFSMSdfp

**Detecting Module:** IDCDA01, IDCRS01

---

**IDC31126I UNABLE TO READ MSC MAIN STORAGE**

**Explanation:** An error occurred while the system was reading MSC (Mass Storage Control) main storage. MSC main storage cannot be dumped. A message indicating the MSSC (Mass Storage System Communicator) reason code for the error appears prior to this message.

**System Action:** The operation is ended.

**Application Programmer Response:** Perform the response indicated in the description of the message that identified the MSSC reason code.

**Source:** DFSMSdfp

---

**Detecting Module:** IDCCH01

---

**IDC31143I \*\* INCOMPLETE {CHECK|READ} REPORT PRODUCED, ERROR AT X LOCATION *xxx***

**Explanation:** The AUDITMSS command is unable to check the status of all the requested cells, or to read the labels of all the requested cartridges.

In the message text:

*xxx* The X coordinate of the cell where the error occurred.

**System Action:** The command ends.

**Application Programmer Response:** Reissue the command for the values not processed (all the cells with X coordinate equal to or greater than *xxx*), after corrective action was taken as indicated in the primary message.

**Source:** DFSMSdfp

**Detecting Module:** IDCAU03

---

**IDC31145I \*\* NO READ REPORT PRODUCED, ERROR AT X LOCATION *xxx***

**Explanation:** The AUDITMSS command is unable to read the labels of any of the requested cartridges.

In the message text:

*xxx* The X coordinate of the cell where the error occurred.

**System Action:** The command ends.

**Application Programmer Response:** Reissue the command for the values not processed (all the cells with X coordinate equal to or greater than *xxx*), after corrective action was taken as indicated in the primary message.

**Source:** DFSMSdfp

**Detecting Module:** IDCAU03

---

**IDC31148I \*\* NOT AUDIT REPORT PRODUCED, ERROR WITHIN X RANGE *n1 n2***

**Explanation:** The AUDITMSS command is unable to check the status of any of the requested cells.

In the message text:

*n1 n2* The X coordinates of the range of cells that could not be checked.

**Application Programmer Response:** Reissue the command for the values not processed for all the cells within the range *n1* through *n2*, after corrective action is taken as indicated in the primary message.

**Source:** DFSMSdfp

**Detecting Module:** IDCAU03

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**IDC31160I    TOSTAGINGDRIVE SSID SPECIFIED IS NOT A VALID MSC TABLES SSID**

**Explanation:** The SSID specified as a target for the table copy is not a valid mass storage control table SSID. The SSID must be X'000', X'002', X'004', or X'006'.

**System Action:** Processing of this command ends.

**Application Programmer Response:** Correctly specify the SSID used with the TOSTAGINGDRIVE parameter, and rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCST01

---

**IDC31170I    UNABLE TO DETERMINE PRIMARY MSC TABLES LOCATION**

**Explanation:** The attempt to read the Mass Storage Control main storage to determine the primary mass storage control tables location failed. The information necessary to build the SSID for the primary tables is not available.

**System Action:** Processing of this command ends.

**Application Programmer Response:** Reissue the command after the problem with the Mass Storage Control has been corrected.

**Source:** DFSMSdfp

**Detecting Module:** IDCST01

---

**IDC31180I    PRIMARY TABLES CANNOT BE COPIED TO WORK DATA SET**

**Explanation:** The primary mass storage control tables cannot be copied to the work data set.

**System Action:** Processing of this command ends.

**Application Programmer Response:** Ensure that the work data set is allocated properly, and rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCCP01

---

**IDC31181I    SECONDARY TABLES CANNOT BE COPIED TO WORK DATA SET**

**Explanation:** The secondary mass storage control tables cannot be copied to the work data set.

**System Action:** Processing of this command ends.

**Application Programmer Response:** Ensure that the work data set is allocated properly, and rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCCP01, IDCEC01

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**IDC31201I    REPAIRRANGE PARAMETER cchhr1 GT cchhr2 FOR dsname**

**Explanation:** The named repair work file (repair work file) keys in the REPAIRRANGE parameter of REPAIRV DISPLAY were incorrectly specified.

In the message text:

*cchhr1*    The first key, which is greater than the second, identifies a record address.

*cchhr2*    The second key identifies a record address.

*dsname*

The data set name.

**System Action:** REPAIRV DISPLAY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct REPAIRRANGE so that the second key is greater than or equal to the first key and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD02

---

**IDC31202I    BEGINNING KEY volsercchhr DOES NOT EXIST FOR dsname**

**Explanation:** The first key specified in REPAIRRANGE of REPAIRV DISPLAY was not found in the specified repair work file. Either the volume serial number is incorrect, the address is incorrect, or the repair work file is not the one containing the specified record.

In the message text:

*volser*    The volume serial number.

*cchhr*    The five hexadecimal characters that identify the record address.

*dsname*

The repair work file.

**System Action:** REPAIRV DISPLAY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct REPAIRRANGE to specify a valid key for the first record to be displayed. Ensure that the repair work file dsname is correct and that the key specified is in that work file. Resubmit.

**System Programmer Response:** Enter the access method services PRINT command to print the repair work data set. If the error recurs and the program is not

## IDC31203I • IDC31206I

in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD02

---

### IDC31203I UNIT INDICATES A VIRTUAL DEVICE

**Explanation:** The unit address specified in the DD statement referred to by INFILE indicates a virtual device; if the STAGINGRANGE parameter was specified, the unit specified must be real. Either the STAGINGRANGE parameter is incorrect or you have specified the wrong unit parameter in the JCL.

**System Action:** REPAIRV DISPLAY/COPY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Either change the unit parameter in the JCL to a real unit or change STAGINGRANGE to DATASETRANGE, as appropriate, and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD07

---

### IDC31204I STAGING PACK VOL=SER=*volser* NOT FOUND IN STAGINGRANGE

**Explanation:** The volume serial number of the staging pack specified in STAGINGRANGE of REPAIRV DISPLAY/COPY does not match the volume serial number specified in the VOL=SER= parameter (as shown in the message) of the DD statement referred to by INFILE. The JCL and REPAIRV syntax must correspond.

In the message text:

*volser* The volume serial number.

**System Action:** REPAIRV DISPLAY/COPY ends control returns to access method services. The return code is 12.

**Application Programmer Response:** Determine the correct volume serial number and correct either the job control language or STAGINGRANGE, as appropriate, and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD07

---

### IDC31205I INVALID STAGINGRANGE *cchhr* FOR DEVICE TYPE

**Explanation:** The address in the STAGINGRANGE parameter of REPAIRV DISPLAY/COPY is not valid for the device type specified in the UNIT parameter of the DD statement specified by the ddname parameter of INFILE. Either a portion of STAGINGRANGE is incorrect or the UNIT parameter is incorrect.

In the message text:

*cchhr* Identify a record address.

**System Action:** REPAIRV DISPLAY/COPY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Determine the correct device type of the staging pack and correct either STAGINGRANGE or the UNIT parameter in the job control language, as appropriate, and resubmit. Ensure that the *cc* is a valid cylinder address and *hh* a valid head (track) address for the device.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD07

---

### IDC31206I AUTHORIZATION TO ACCESS TO STAGINGPACK VOL=SER=*volser* DENIED BY SYSTEM OPERATOR

**Explanation:** The system operator has responded "N" to REPAIRV's request (IDC499D) for access to the specified volume.

In the message text:

*volser* The volume serial number.

**System Action:** REPAIRV DISPLAY/COPY/MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Check with the appropriate system operations personnel for the reason for access denial.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD07

**IDC31207I INCORRECT STAGINGRANGE *cchhr***

**Explanation:** A count of characters specified in the STAGINGRANGE parameter of the REPAIRV DISPLAY or the REPAIRV COPY command showed the length of the address to be other than 5, the DISPLAY to be other than 3, or COPY to be other than 1 in the volume. Anything other than 5, 3, or 1 is incorrect.

In the message text:

*cchhr* Identify a record in the track.

**System Action:** REPAIRV DISPLAY/COPY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct STAGINGRANGE and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD07

**IDC31208I STAGINGRANGE *cchhr1* GT *cchhr2* FOR STAGING PACK VOL=SER=*volser***

**Explanation:** The record address parameters in the STAGINGRANGE parameter of the REPAIRV DISPLAY or the REPAIRV COPY command were incorrectly specified for the volume. The first key is greater than the second key specified in this parameter.

In the message text:

*cchhr1* The first key specified. It indicates a record address.

*cchhr2* The second key specified. It indicates a record address.

*volser* The volume serial number.

**System Action:** The REPAIRV DISPLAY or the REPAIRV COPY command ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct STAGINGRANGE so that the second key (*cchhr*) is greater than or equal to the first key (*cchhr*) and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD07

**IDC31209I INCORRECT INDATASET PARAMETER FORMAT4.DSCB**

**Explanation:** The dsname in INDATASET refers to a volume's VTOC, which is an incorrect specification for this parameter.

**System Action:** REPAIRV DISPLAY/COPY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Verify the name of the volume or data set containing the records you want processed. If the data set name is a volume's VTOC, use the INFILE parameter and specify FORMAT4.DSCB as the data set name on the DD statement of INFILE. Otherwise, specify a valid data set name in INDATASET; that is, one referring to a data set cataloged in the system master catalog, a catalog specified in a STEPCAT or JOBCAT DD statement, or a catalog having the data set's highest level qualifier as an alias.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD07

**IDC31210I VOL=SER=*volser* IN *parameter* DOES NOT MATCH THE VOLSER IN DD STATEMENT *ddname***

**Explanation:** The volume serial number in the parameter does not match the volume serial number specified in VOL=SER parameter of the DD statement referred to by INFILE. The JCL and REPAIRV syntax must correspond.

Valid parameter values follow:

- DATASETRANGE
- INDATASETADDRESS
- OUTDATASETADDRESS
- VTOCHEADERADDRESS
- VTOCHEADER

In the message text:

*volser* The volume serial number.

*parameter*  
The specified parameter.

*ddname*  
The specified DD name.

**System Action:** REPAIRV DISPLAY/COPY/MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Determine the correct volume serial number of the volume containing

## IDC31211I • IDC31214I

the data set whose records are to be processed and correct either the JCL or parameter as appropriate, and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD07

---

### IDC31211I UNIT INDICATES A REAL DEVICE FOR *dsname*

**Explanation:** The unit parameter specified in the DD statement referred to by INFILE indicates a real device; it must indicate a Mass Storage volume. Either the data set name is incorrect or you have specified the wrong unit parameter in the JCL.

In the message text:

*dsname*

The data set name.

**System Action:** REPAIRV ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Either change the unit in the job control language to a virtual unit or change the parameters as appropriate, and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD07

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### IDC31212I DATASETRANGE *cchhr1* TO *cchhr2* NOT WITHIN EXTENTS OF *dsname*

**Explanation:** The address range specified in DATASETRANGE is outside the extents of the specified data set.

In the message text:

*cchhr1* The first key of the range. It indicates a record address.

*cchhr2* The second key of the range. It indicates a record address.

*dsname*

The data set name.

**System Action:** REPAIRV DISPLAY/COPY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Determine the

actual extents of the data set. Correct the DATASETRANGE parameters of the named data set and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD07

---

### IDC31213I (*hh1*) GREATER THAN *hh2* FOR *dsname*

**Explanation:** The stage error record keys in the RANGE parameter of REPAIRV DEBLOCK were incorrectly specified for repair work file. The first key is greater than or equal to the second key.

In the message text:

*hh1* The first key.

*hh2* The second key.

*dsname*

The data set name.

**System Action:** REPAIRV DEBLOCK/MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct RANGE or INREPAIRRANGE so that the second key (*hh*) is greater than or equal to the first key (*hh*) and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD04

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### IDC31214I FIRST KEY (*volsercchh*) IN THE RANGE NOT FOUND FOR *dsname*

**Explanation:** The first key specified in RANGE was not found in the repair work file. Either the volume serial number is incorrect, the address is incorrect, or the repair work file is not the one desired.

In the message text:

*volser* The volume serial number.

*cchh* The address of a record.

*dsname*

The data set name.

**System Action:** REPAIRV DEBLOCK ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct RANGE to specify a valid key for the first record to be deblocked. Ensure that the repair work file is the one desired and that the key specified is in that work file. Resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD04

**IDC31220I    HEADER RECORD EITHER NOT  
FOUND OR INVALID FOR *dsname***

**Explanation:** Either no header record was found at the beginning of the specified file (repair work) or the record found was not a valid header record, indicating that this file is not a repair work file.

In the message text:

*dsname*

The data set name.

**System Action:** REPAIRV DEBLOCK ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct the job control language to indicate the appropriate repair work file or recreate the repair work file using REPAIRV COPY and resubmit.

**System Programmer Response:** Enter the access method services PRINT command to print the repair work data set. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD06

**IDC31221I    RECORD IN INDATASETADDRESS  
*volsercchhr* NOT FOUND FOR *dsname***

**Explanation:** The specified record is not in the referenced input data set. That is, the address specified is not within the extents of the specified data set or within the first track of the VTOC (VTOCHEADER). Either the address is incorrect or the wrong data set was specified.

In the message text:

*volser*    The volume serial number.

*cchh*    The address of a record.

*dsname*

The data set name.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Determine the actual extents of the data set, then correct the INDATASETADDRESS parameter and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD05

**IDC31222I    RECORD IN INREPAIRKEY *volsercchhr*  
NOT FOUND FOR *dsname***

**Explanation:** The record specified in INREPAIRKEY is not in the referenced repair work file.

In the message text:

*volser*    The volume serial number.

*cchh*    The address of a record.

*dsname*

The repair work file.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Display the repair work file records. If necessary, recreate the repair work file using REPAIRV COPY, or correct the INREPAIRKEY parameter, and rerun.

**System Programmer Response:** Enter the access method services PRINT command to print the repair work data set. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD05

**IDC31223I    RECORD *volsercchhr* IN *parameter* NOT  
FOUND FOR *dsname* VTOCHEADER**

**Explanation:** The record specified in OUTDATASETADDRESS or VTOCHEADERADDRESS is not in the specified user data set. That is, the address specified is not within the extents of the specified output data set or within the first track of the VTOC (VTOCHEADER).



## IDC31224I • IDC31226I

In the message text:

*volser* The volume serial number.

*cchh* The address of a record.

*dsname*  
The output data set name.

*parameter*  
The specified parameter.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Determine the actual address of the record. Correct the OUTDATASETADDRESS or VTOCHEADER parameter and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDC31224I

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### IDC31224I RECORD IN OUTREPAIRKEY *volsercchhr* NOT FOUND FOR *dsname*

**Explanation:** The record specified in OUTREPAIRKEY is not in the referenced repair work file.

In the message text:

*volser* The volume serial number.

*cchh* The address of a record.

*dsname*  
The repair work file.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Display the repair work file records. If necessary, recreate the repair work file using REPAIRV COPY, or correct the OUTREPAIRKEY parameter, and resubmit.

**System Programmer Response:** Enter the access method services PRINT command to print the repair work data set. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC31224I

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### IDC31225I RECORD *volsercchhr* IN *parameter* DOES NOT MATCH THE FIRST INREPAIRRANGE ADDRESS

**Explanation:** Both OUTDATASETADDRESS or VTOCHEADERADDRESS and INREPAIRRANGE were specified, indicating a full track replacement is to be performed.

In the message text:

*volser* The volume serial number.

*cchhr* The address of a record, where *r* of the VTOCHEADERADDRESS or OUTDATASETADDRESS volume must be 0 to indicate the beginning of the track or did not match the first INREPAIRRANGE address.

*parameter*  
The specified parameter.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct the address in OUTDATASETADDRESS or VTOCHEADERADDRESS to ensure a 0 in the record field, and a match to the INREPAIRRANGE first address.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC31225I

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### IDC31226I NOT ALL TRACKS SPECIFIED IN INREPAIR RANGE ARE ALLOCATED TO OUTPUT *text*

**Explanation:** *text* is one of the following:

*dsname*  
VTOCHEADER

Some or all of the tracks specified in INREPAIRRANGE do not exist within the extents allocated for the specified data set or VTOCHEADER. No modification is done.

In the message text:

*dsname*  
The specified data set name.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Determine the actual extents of the data set. Correct the

INREPAIRRANGE parameter to specify only allocated tracks and resubmit.

**System Programmer Response:** Enter the access method services PRINT command to print the repair work data set. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD05

**IDC31227I RECORD ZERO FOR *volsercchh* WAS NOT FOUND IN *dsname***

**Explanation:** Record zero in the stage error deblocked track specified in the message could not be found in the specified repair work file. Either the volume serial number or the range in INREPAIRRANGE is incorrect.

In the message text:

*volser* The volume serial number.

*cchh* The address of a record.

*dsname*  
The repair work file.

**System Action:** REPAIRV MODIFY ends after the entire range. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Display the repair work file records. If necessary, recreate the repair work file using REPAIRV COPY. Correct INREPAIRRANGE and resubmit.

**System Programmer Response:** Enter the access method services PRINT command to print the repair work data set. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD05

**IDC31228I RECORD *volsercchh* IS NOT A DEBLOCKED STAGE ERROR RECORD IN *dsname***

**Explanation:** The indicated record in the input repair work file specified in INREPAIRRANGE is not a stage error deblocked record. The input record range contains records other than ones having stage errors which have been corrected by DEBLOCK.

In the message text:

*volser* The volume serial number.

*cchh* The address of a record.

*dsname*  
The repair work file.

**System Action:** REPAIRV MODIFY ends after checking the entire range. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct INREPAIRRANGE and resubmit.

**System Programmer Response:** Enter the access method services PRINT command to print the repair work data set. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD05

**IDC31229I DEBLOCKED TRACK *cchh* TOO LARGE FOR *dsname***

**Explanation:** The modified records from the specified repair work file will not fit within the track of the specified data set. Either one or more records have been lengthened or added to the original track, or you are moving from a device with longer tracks to one with shorter tracks.

In the message text:

*cchh* The address of a record.

*dsname*  
The specified data set name.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Verify that your input is correct and will fit within the specified track.

**System Programmer Response:** Enter the access method services PRINT command to print the repair work data set. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD05

**IDC31230I OFFSET *n* OUTSIDE KEY OR DATA FIELD**

**Explanation:** The offset specified for the key or data field is longer than the actual key or data field length.

In the message text:

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*n* The offset.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct the OFFSET parameter and resubmit.

**System Programmer Response:** Enter the access method services PRINT command to print the repair work data set. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD05

---

### IDC31231I INPUT RECORD TOO LARGE {*dsname*|VTOCHEADER}

**Explanation:** A record that was to replace another record in the specified output data set or VTOCHEADER does not fit in the output data set track.

In the message text:

*dsname*

The output data set name.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Ensure that the replacement record will fit in the output data set track.

**System Programmer Response:** Enter the access method services PRINT command to print the repair work data set. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD05

---

### IDC31232I MODIFIED RECORD TOO LARGE FOR {*dsname*|VTOCHEADER}

**Explanation:** The input string specified in the command causes the record being modified to exceed the track boundaries of the specified data set or repair work file or VTOCHEADER.

In the message text:

*dsname*

The specified data set name or repair work file.

**System Action:** REPAIRV MODIFY ends. Control

returns to access method services. The return code is 12.

**Application Programmer Response:** Verify that the input string does not cause the modified record to exceed its track boundary.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD05

---

### IDC31233I INCORRECT *parameter cchh* FOR *dsname*

**Explanation:** A count of characters specified in the parameter of REPAIRV DISPLAY/COPY/MODIFY showed the length of the record address to be other than 5, or COPY to be other than 3. Anything other than 5 or 3 is incorrect.

In the message text:

*parameter*

The specified parameter.

*cchh*

The address of a record.

*dsname*

The repair work file.

**System Action:** REPAIRV DISPLAY/COPY/MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct parameters and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD07

---

### IDC31234I INVALID PARAMETER *cchhr* FOR DEVICE

**Explanation:** The address parameter of REPAIRV DISPLAY/COPY/MODIFY is not valid for the device type specified in the UNIT parameter of the DD statement specified by the ddname parameter of INFILE. Either a portion of the parameter is incorrect or the UNIT parameter is incorrect.

In the message text:

*cchhr*

The address of a record.

**System Action:** REPAIRV DISPLAY/COPY/MODIFY

ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Determine the correct device type of the data set and correct either the *cchhr* in the parameter or the UNIT parameter in the job control language, as appropriate, and resubmit. Ensure that *cc* is a valid cylinder address and *hh* is a valid head (track) address for the device.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD07

#### **IDC31235I    DATASETRANGE *cchhr1* GT *cchhr2* FOR *dsname***

**Explanation:** The parameters in the DATASETRANGE parameter of REPAIRV DISPLAY/COPY were incorrectly specified. The first key is greater than the second key specified in this parameter.

In the message text:

*cchhr1*    The first key specified. It indicates the address of a record.

*cchhr2*    The second key specified. It indicates the address of a record.

*dsname*  
          The repair work file.

**System Action:** REPAIRV DISPLAY/COPY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct DATASETRANGE so that the second *cchhr* is greater than or equal to the first *cchhr* and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD07

#### **IDC31237I    THE SUM OF THE LENGTH SUBPARAMETERS IS TOO {LARGE|SMALL}**

**Explanation:** The DEBLOCK function tried to use the key and data lengths provided in the LENGTH subparameters and the total sum of these lengths is either larger or smaller than the actual sum of the original records.

**System Action:** REPAIRV DEBLOCK ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct the key and data lengths specified in the LENGTH parameter are correct: display the R'0/R'1 records, correct, and rerun.

**System Programmer Response:** Enter the access method services PRINT command to print the repair work data set. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD04

#### **IDC31238I    UNABLE TO DEFINE *dsname***

**Explanation:** REPAIRV COPY was not able to define the repair work file as specified in the DD statement referred to by OUTFILE. The last message issued prior to this one explains why the attempted definition failed.

In the message text:

*dsname*  
          The specified data set name.

**System Action:** REPAIRV COPY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct the condition causing the failure.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRD03

#### **IDC31239I    VTOCHEADERADDRESS *cchhr* DOES NOT REFER TO THE FIRST TRACK OF VTOC**

**Explanation:** The VTOCHEADERADDRESS parameter of the MODIFY function is not the first track of the VTOC of the output volume.

In the message text:

*cchhr*    The address of a record.

**System Action:** REPAIRV MODIFY ends, control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct the condition causing the failure.

## IDC31240I • IDC31244I

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD07

---

### IDC31240I OUTDATASETADDRESS *cchhr* DOES NOT REFER TO A RECORD IN VTOC

**Explanation:** The record address value in the OUTDATASETADDRESS parameter of the MODIFY function is not within the range of the VTOC.

In the message text:

*cchhr* The address of a record.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. Return code is 12.

**Application Programmer Response:** Correct the condition causing the failure.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD07

---

### IDC31241I NEWCOUNT MUST BE EIGHT BYTES LONG

**Explanation:** The length specified in the NEWCOUNT parameter is less than 8 bytes long.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Correct the NEWCOUNT parameter to be exactly 8 bytes long.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD05

---

### IDC31242I BAD RECORD {PRECEDING|SUBSEQUENT TO} RECORD *volsercchhr* IN OUTPUT *dsname*

**Explanation:** It is necessary to read all records in the track to calculate if the record to be modified would fit in

the track; either a previous or subsequent record to the one to be modified had an I/O error in the repair work file.

In the message text:

*volser* The volume serial number.

*cchh* The address of a record.

*dsname*

The repair work file.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Rerun the job; the error should correct itself, that is, it either goes away or becomes a destage error.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD05

---

### IDC31243I THE COUNT OF RECORD ZERO *cchhr* CANNOT BE MODIFIED

**Explanation:** The user tried to modify the count, or increase the length of the data field or insert a key in a record zero address, which is not permissible.

In the message text:

*cchhr* The address of a record.

**System Action:** REPAIRV MODIFY ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** Ensure that you really want to modify record zero; if you are going to modify record zero, you are allowed only to modify the data field without increasing its length. Resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD05

---

### IDC31244I UNABLE TO DEBLOCK *cchh*

**Explanation:** The record pair (R'0 or R'1) that results from the stage error could not be deblocked because the R'1 record contained a dummy data field length of 1. This condition is caused by the loss of the track descriptor during staging.



In the message text:

*cchh* The address of a record.

**System Action:** The command ends. The return code is 12.

**Application Programmer Response:** Verify that you specified the correct address in the command. The R'1 record can be replaced in the repair work file or in the original data set with the correct records from another source by using the REPAIRV MODIFY command. Alternatively, the R'1 record can be restored by using the REPAIRV MODIFY command.

**System Programmer Response:** Enter the access method services PRINT command to print the repair. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job. work data set.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD04

#### IDC31245I AN UNCORRECTABLE I/O ERROR WAS ENCOUNTERED WHILE MODIFYING *cchh* OF *dsname*

**Explanation:** An I/O error was encountered while writing to the specified data set.

In the message text:

*cchh* The address of a record.

*dsname*

The repair work file.

**System Action:** REPAIRV MODIFY processing ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** The results are unpredictable. Run REPAIRV DISPLAY command to display the track on which the error occurred to determine how much of modify process completed. Take appropriate action to reconstruct data.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD05

#### IDC31246I OBTAIN FAILED FOR *dsname*

**Explanation:** OBTAIN SVC failed for the specified data set name.

In the message text:

*dsname*

The specified data set name.

**System Action:** REPAIRV ends. Control returns to access method services. The return code is 12.

**Application Programmer Response:** If processing a

VSAM data set, ensure that unit and volume information are not present on the DD statement for the specified data set name. Correct the condition causing the failure and resubmit.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD07

#### IDC31247I TRACK DOES NOT BEGIN WITH RECORD 1

**Explanation:** The data portion of record pair R'0, which shows the original first record number, shows that record number to be other than record 1.

**System Action:** The command ends. The return code is 12.

**Application Programmer Response:** Issue REPAIRV DISPLAY to display the blocked stage error records R'0 and R'1. If the records appear to be valid, usable records that you want to deblock, issue REPAIRV MODIFY to change the R'0 data portion of record 0, mapping the original record number of record 1 to the value 1. Then, after issuing REPAIRV DISPLAY to verify your change, issue REPAIRV DEBLOCK to deblock your blocked stage error records.

**System Programmer Response:** Enter the access method services PRINT command to print the repair work data set. If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD04

#### IDC31251I CARTRIDGE NOT EJECTED

**Explanation:** An unsuccessful attempt was made to eject a cartridge with the DIRECTEJECT option of the MODIFYC command. The location of the cartridge is not known.

**System Action:** The MODIFYC command ends. The return code is 12.

**Source:** DFSMSdfp

**Detecting Module:** IDC RD04, IDC MC01

## IDC31265I • IDC31376I

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### IDC31265I    A SECURE MOUNTED VOLUME               CANNOT BE COPIED

**Explanation:** A secure volume cannot be copied while it is mounted. The COPYV command checks the inventory data set to see if the DASDERASE flag is on before attempting to copy the volume.

**System Action:** The command ends.

**Application Programmer Response:** Rerun the COPYV command specifying NOT MOUNTED.

**Source:** DFSMSdfp

**Detecting Module:** IDCCO01

---

### IDC31366I    INPUT DATA SET IS NOT {AN               ICFCATALOG|A VVDS}

**Explanation:** The data set to be diagnosed was not an ICF catalog or a VVDS as the type indicated in the DIAGNOSE command syntax. If the data set to be scanned is an ICF catalog, the syntax should be 'DIAGNOSE ICFCATALOG'; if the data set is a VVDS, the syntax should be 'DIAGNOSE VVDS'.

**System Action:** The DIAGNOSE processing ends.

**Application Programmer Response:** Correct the statement and resubmit the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCDA01

---

### IDC31368I    CATALOG MAY NOT BE SPECIFIED               WITH ICFCATALOG

**Explanation:** The CATALOG parameter may not be coded as an include or exclude subparameter for ICFCATALOG. CATALOG qualification is only intended for diagnosis of a VVDS.

**System Action:** DIAGNOSE considers this an error condition; processing ended.

**Application Programmer Response:** Correct the DIAGNOSE statement and rerun the job. If DIAGNOSE is being run against an ICFCATALOG, replace the catalog parameter with either ENTRIES or LEVEL. If not analyzing a catalog but a VVDS, change the ICFCATALOG parameter to VVDS.

**Source:** DFSMSdfp

**Detecting Module:** IDCDA01

---

### IDC31369I    *text* PROCESSING TRUNCATED

**Explanation:** *text* is one of the following:  
              MAXIMUM ERROR LIMIT REACHED  
              I/O ERROR ON INPUT DATA SET

The number of errors encountered in the input or compared data sets has reached the error limit value.

This message may also result from I/O errors, if so, message IDC3351I, which precedes IDC31369I, may be used to determine the cause of the I/O error. In either case, this may be indicative of a badly damaged input data set.

**System Action:** DIAGNOSE considers this an error condition; processing ended.

**Application Programmer Response:** If the ERRORLIMIT value is too low, set a different value and rerun the job. ERRORLIMIT has a default value, determine the default value (you may wish to allow DIAGNOSE to detect more errors than the default value) and rerun the job. If the problem is an I/O error, the data set is too damaged for DIAGNOSE to analyze. Consider initiating BCS or VVDS recovery procedures.

**Source:** DFSMSdfp

**Detecting Module:** IDCDA01

---

### IDC31370I    UNABLE TO OBTAIN INFORMATION               ON {dsname|ddname}

**Explanation:** An attempt to extract allocation information for the named data or dd statement has failed. If the data set in question is the input data set, DIAGNOSE cannot continue. If the data set in question is a compare data set then compare processing cannot occur.

In the message text:

*dsname*

The data set name.

*ddname*

The DD name.

**System Action:** DIAGNOSE considers this an error condition; processing may end or continue, depending on which data set incurred the error.

**Application Programmer Response:** Check the spelling of the named data set or dd statement. Correct and then rerun the job. If the spelling is not in error, contact your service representative.

**Source:** DFSMSdfp

**Detecting Module:** IDCDA01

---

### IDC31376I    INPUT CATALOG HAS NO VVDS               ENTRIES

**Explanation:** The ICF catalog that the system is currently diagnosing has no SYS1.VVDS.Vvler entries. This indicates BCS damage; there should be a VVDS entry for the volume.

**System Action:** The system ends DIAGNOSE processing.

**Application Programmer Response:** Take the following actions.

- Import the BCS to restore it.

- Uplevel the BCS.
- Re-run DIAGNOSE.

**Source:** DFSMSdfp

---

#### IDC31377I FIRST CATALOG ENTRY NOT FOUND

**Explanation:** DIAGNOSE cannot locate the first ICF catalog entry. The self describing cluster entry for the catalog is absent or damaged.

**System Action:** The system ends processing.

**Application Programmer Response:** Take the following actions.

- Import the BCS to restore it.
- Uplevel the BCS.
- Re-run DIAGNOSE.

**Source:** DFSMSdfp

---

#### IDC31400I UNABLE TO OBTAIN CATALOG NAME

**Explanation:** CNVTCAT did not receive either the source or target catalog name. The source catalog is identified via the INFILE or INDATASET parameter and the target catalog via the OUTFILE, OUTDATASET or CATALOG parameter.

**System Action:** The command is ended.

**Application Programmer Response:** Correct the specification of the catalog and rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

#### IDC31401I UNABLE TO GET NEXT BASE OBJECT *dsname*

**Explanation:** Catalog management could not get the next base object and the catalog end of file has not been reached.

In the message text:

*dsname*

The data set name.

**Application Programmer Response:** Restore the catalog volume, and all volumes owned by the catalog, correct the problem identified in the associated message and rerun the job.

**System Programmer Response:** Enter the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

#### IDC31403I UNABLE TO DETERMINE CATALOG TYPE FOR *dsname*

**Explanation:** A catalog management LOCATE failed and the catalog type could not be determined.

In the message text:

*dsname*

The data set name.

**System Action:** The command is ended.

**Application Programmer Response:** Correct the problem identified in the associated message and rerun the job.

**System Programmer Response:** Enter the access method services LISTCAT command to list catalog entries and information about objects defined in the catalog.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

#### IDC31405I INVALID COMBINATION OF CATALOGS FOR CONVERT

**Explanation:** Prior to converting an OS CVOL or a VSAM catalog it was determined that the source and target object types constitute an incorrect conversion combination. The source and target object types were such that the conversion could not be allowed. The following are valid source and target combinations:

Source	Target
OS CVOL	VSAM
OS CVOL	ICF
VSAM	ICF

**System Action:** Processing of this command is ended.

**Application Programmer Response:** Correct the source and/or target catalog specification and rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

#### IDC31406I CONVERSION OF THE SYSTEM MASTER CATALOG NOT ALLOWED

**Explanation:** During catalog validation, it was found that the source catalog specified by the user is the system master catalog. All entries are deleted from the source catalog during conversion and thus conversion of the master catalog cannot be allowed.

**System Action:** Processing of this command is ended.

**Application Programmer Response:** Verify the source catalog name specification. If in error, correct

## IDC31440I • IDC31502I

and rerun the job. If correct, the master catalog must be made a user catalog before it may be converted.

**Source:** DFSMSdfp

**Detecting Module:** IDCCC01

---

### IDC31440I SPACE PARAMETER IS INVALID FOR AN ICF CATALOG

**Explanation:** The catalog selected by LISTCAT to be listed was an ICF catalog. ICF catalogs do not contain space entries. This message is issued if a single entry type parameter of 'SPACE' is specified or if multiple types have been specified and one of them is 'SPACE'. This message is also issued if the ENTRIES parameter is specified for a space entry and the CATALOG parameter is not specified and all catalogs searched are ICF catalogs.

**System Action:** The command is ended.

**Application Programmer Response:** Check if the correct catalog has been specified to be listed. Check either the LISTCAT CATALOG parameter or the STEPCAT JOBCAT DD parameter. If none are specified, then the master catalog must be an ICF catalog.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCLC01

---

### IDC31461I REPRO MERGECAT FROM MASTER CATALOG NOT ALLOWED

**Explanation:** During REPRO catalog validation, it was found that the source catalog specified by the user is the system master catalog. All objects that have been successfully merged are deleted from the source catalog; therefore, merging from the master catalog cannot be allowed.

**System Action:** Processing of this command is ended.

**Application Programmer Response:** Verify the source catalog name specification. If in error, correct and rerun the job. If correct, the master catalog must be made a user catalog before it may be merged.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL and the SYSOUT output for the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCRP01

---

### IDC31466I THE SOURCE DATA SET CANNOT BE A type

**Explanation:** The type is either CVOL or CATALOG. DBCS was specified on an access method services (AMS) REPRO copy of a data set. AMS, while checking the data set type, detected that the source data set was either a catalog or CVOL. REPRO will not copy a catalog or CVOL if DBCS is specified.

In the message text:

*type* The specified type.

**System Action:** The command is ended. The return code is 12.

**Application Programmer Response:** Recheck the specification of the data set name to ensure the proper data set was processed. If you intend to copy a catalog or CVOL, remove the DBCS keyword from your command.

**Source:** DFSMSdfp

---

### IDC31467I MAXIMUM ERROR LIMIT REACHED

**Explanation:** The number of errors encountered has reached the error limit value.

**System Action:** Processing terminates.

**Application Programmer Response:** If ERRORLIMIT value is too low, set a different value and rerun the job. ERRORLIMIT has a default value (you may wish to allow REPRO to detect more errors than the default value) and rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDC1001

---

### IDC31502I SPECIFIED *cchh* IS NOT IN BOUNDS OF THE 3380

**Explanation:** The record address has the value of LOWCCHH or HIGHCCHH, as specified on the BINDDATA command. The value should be in range for the device attached to the Model 13.

In the message text:

*cchh* The address of a record.

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

**Application Programmer Response:** Correct the command and resubmit.

**Source:** DFSMSdfp

**Detecting Module:** IDCBD01, IDCSS04

**IDC31503I    UNABLE TO OBTAIN DEVICE INFORMATION**

**Explanation:** A DEVTYP (device type) macro instruction, issued by a program, failed to obtain cchh boundaries, probably because of a system error.

**System Action:** The system does not process the request.

**Application Programmer Response:** Probable system error. Add an AMSDUMP DD statement to the JCL, and run the program again.

**Source:** DFSMSdfp

**Detecting Module:** IDCBD01

**IDC31504I    NOT ENOUGH ROOM IN THE CACHE TO HOLD THE SPECIFIED DATA**

**Explanation:** The LOWCCHH and HIGHCCHH parameters specify more data to be bound than can be contained in the available cache space of the 3880 device.

**System Action:** The system ends the command.

**Application Programmer Response:** Issue the LISTDATA command with the STATUS parameter to determine how much cache space is available. If the amount of offline space available is excessive, contact your programming support personnel.

Change the values of the LOWCCHH and HIGHCCHH parameters to fit the available cache space. Then issue the BIND command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCSS03

**IDC31550I    UNABLE TO LOCATE ANY CACHING SUBSYSTEM DEVICES ONLINE**

**Explanation:** The user issued either a LISTDATA or SETCACHE command, but the system could not find any subsystem devices online for the associated UNIT and VOLSER.

**System Action:** Processing is ended for this command.

**Application Programmer Response:** Do the following:

- Ensure that the correct UNIT and VOLSER are specified.
- Make sure there are volumes online. You can use the DEVSERV PATHS command to determine the volume and path status.
- Rerun the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCLA01

**IDC31559I    ASYNCHRONOUS OPERATIONS MANAGER RC=return-code REASON=reason-code other**

**Explanation:** An IDCAMS channel program was passed to the asynchronous operations manager. The resulting return and reason codes from the asynchronous operations manager were unexpected.

In the message text:

<i>return-code</i>	The return code from the asynchronous operations manager.
<i>reas</i>	The reason code from the asynchronous operations manager.
<i>other</i>	Additional information, when available, from the asynchronous operations manager:

- 32 bytes of I/O sense data in the form:

```
SENSE BYTES 0-15  xxxxxxxx xxxxxxxx
              16-31 xxxxxxxx xxxxxxxx
              xxxxxxxx xxxxxxxx
```

Sense data will be returned when available.

- ABEND CODE=*abndcde*: the abend code returned from the asynchronous operations manager for return code 12, reason code 8.
- INTERNAL QUEUE ERROR CODE=*internal queue error return code*: the code returned from the asynchronous operations manager for return code 12, reason code 4.
- Blank when no additional information is available.

The Asynchronous Operations Manager return and reason codes are:

**Return Codes**

<b>0</b>	<b>SUCCESSFUL</b>	The request to the service completed without error.
<b>4</b>	<b>REQUEST FAILED</b>	The request to the service failed with the reason code specified below.
<b>8</b>	<b>OPERATION FAILED</b>	The request to the service failed with the reason code specified below.
<b>12</b>	<b>ASYNCHRONOUS OPERATIONS MANAGER ERROR</b>	The request to the service failed with the reason code specified below.



## IDC31559I

### Return Code 4: Reason Codes

<b>4</b>	<b>INSUFFICIENT STORAGE</b>  GETMAIN failure occurred within the service. This may indicate that the region size for your IDCAMSjo job or your region size for TSO/E needs to be increased. IDCAMS should have issued IDC2011I when this error code was returned. Please refer to IDC2011I for details on the error condition. If the GETMAIN failure is for a system area, then a system message indicating the failure appears on the system console and you should follow the directions for the system message.	<b>48</b>	<b>UNABLE TO OBTAIN COMPLETE SSSCB ENTRY</b>  Internal error.
<b>8</b>	<b>INVALID PARAMETER LIST</b>  Internal error. IDCAMS should have issued IDC31601I or IDC31550I for this error condition. Please refer to this message for further details on the error.	<b>52</b>	<b>DEVICE NUMBER INVALID</b>  Internal error.
<b>12</b>	<b>UNAUTHORIZED REQUEST</b>  IDCAMS was not authorized for this request. Possible reasons are that IDCAMS was invoked via a TSO/E CALL command, was not linkedited as authorized, or does not reside in an authorized library. Contact your systems programmer.	<b>56</b>	<b>UCB ADDRESS OR DEVICE NUMBER NEEDED FOR RACF CHECK</b>  Internal error.
<b>16</b>	<b>UNABLE TO ESTABLISH ESTAE</b>  Internal error. IDCAMS should have issued IDC2391I for this error condition. Please refer to this message for further details on the error condition.	<b>60</b>	<b>INVALID RACF LEVEL</b>  Internal error.
<b>20</b>	<b>INVALID CCW OR DATA AREA POINTER</b>  Internal error. IDCAMS should have issued message IDC31602I for this condition. Please refer to this message for further details on the error condition.	<b>76</b>	<b>ONLY ONE ACCESS CODE AVAILABLE</b>  Internal error.
<b>24</b>	<b>INVALID REQUEST TYPE FOR CONTROL UNIT</b>  Internal error.	<b>80</b>	<b>INVALID EYE-CATCHER IN SERVL OR UNABLE TO ACCESS LAST BYTE IN SERVL</b>  Internal error.
<b>28</b>	<b>SUBSYSTEM DATA AREA NOT LARGE ENOUGH</b>  Internal error.	<b>84</b>	<b>UCB ADDRESS OR DEVICE NUMBER POINTS AT NON-DASD DEVICE</b>  Internal error.
<b>32</b>	<b>UNABLE TO LOCATE SSSCB ENTRY</b>  Internal error.	<b>88</b>	<b>SSDL MISSING</b>  Internal error.
<b>36</b>	<b>REQUEST BUFFER SIZE NOT A MULTIPLE OF 8</b>  Internal error.	<b>92</b>	<b>REQTYPE DRVR PARM(S) NOT ALLOWED</b>  Internal error.
<b>40</b>	<b>CONFIGURATION TABLE INDEX TOO HIGH</b>  Internal error.	<b>96</b>	<b>SSDP AND SSDL NOT ALLOWED</b>  Internal error.
<b>44</b>	<b>SSSCBUPD VALUE(S) INVALID</b>	<b>100</b>	<b>REQUEST BUFFER HAS ONLY ONE SUB-BUFFER</b>  Internal error.
		<b>104</b>	<b>INDIRECT ADDRESS LISTS NOT ALLOWED IN DRVR CHANNEL PROGRAM</b>  Internal error.
		<b>108</b>	<b>TIC MUST POINT AT *-8</b>  Internal error.
		<b>112</b>	<b>UCB ADDRESS OR DEVICE NUMBER MISSING</b>  Internal error.
		<b>116</b>	<b>SSDP MISSING</b>  Internal error.
		<b>124</b>	<b>NO 3990 MODEL 3 IN THE SYSTEM</b>  Internal error.
		<b>128</b>	<b>INVALID REQUEST FOR REQTYPE MULTI</b>  Internal error.

- 132** INVALID EYE-CATCHER IN INPUT BUFFER  
Internal error.
- 136** SSDP POINTS AT AREA NOT OWNED BY CALLER  
Internal error.
- 140** AOM services caller requested an operation against an exposure address of a multiple exposure device, which was supported prior to MVS/ESA SP 5.2. AOM services caller requested an operation against an alias device number of a parallel access volume.

**Return Code 8: Reason Codes**

- 4** I/O ERROR EXECUTING CALLER'S CHANNEL PROGRAM  
An I/O error occurred. IDCAMS issues message IDC31559I when sense data is available. Otherwise IDCAMS issues message IDC2375I. Please refer to that message for further information on the error condition.
- 8** ASYNCHRONOUS OPERATION PENDING  
The asynchronous operation is still in progress and IDCAMS should still be waiting for completion.
- 12** ASYNCHRONOUS OPERATION COMPLETED IN ERROR  
IDCAMS should have issued IDC2391I for this error condition. Please refer to that message for details on the error.
- 16** ASYNCHRONOUS OPERATION FAILED  
IDCAMS should issue IDC31610I message for this error condition. Refer to that message for details on the error.
- 20** ASYNCHRONOUS OPERATION TIME OUT  
The asynchronous operation is still in progress, but the timer for IDCAMS waiting for the operation has expired. When the asynchronous operation completes, if it 'Fails' or 'Completes In Error' an AOM000I message will be issued to the system console. If the operation is successful the status will be correctly reflected in the storage control and in all attached host systems. Generally this error will occur while establishing or reestablishing a dual copy pair and contention from other hosts or the host trying to do the operation cause time to be taken away from the 3990 copy operation to service these other I/O operations.
- 24** REQUEST LOST BY SUBSYSTEM  
The storage control lost knowledge of the asynchronous operation. Please refer to a merged LOGREC listing for more details.

Running an IDCAMS LISTDATA report will give you the current state of the subsystem and device. After determining the current state, you may need to rerun your IDCAMS job to establish the new states that you desire.

- 28** DESTAGE-ALL DID NOT COMPLETE SUCCESSFULLY  
Message AOM001I is issued for failing subsystem. Refer to message AOM001I for information on the problem determination required to isolate the devices attached to the subsystem that have pinned data.
- 32** I/O ERROR EXECUTING INTERNAL CHANNEL PROGRAM  
Internal error.
- 36** I/O ERROR, RETRIES EXHAUSTED FOR CALLERS CHANNEL PROGRAM  
Permanent I/O error.
- 40** AN ATTEMPTED I/O OPERATION RESULTED IN A CONDITION CODE 3.  
Permanent I/O error.
- 44** AN I/O OPERATION TO A DEVICE ENCOUNTERED AN INTERVENTION REQUIRED CONDITION.

**Return Code 12: Reason Codes**

- 4** INTERNAL QUEUE ERROR  
Internal error.
- 8** ABNORMAL TERMINATION  
Internal error.

**System Action:** Processing continues.

**Application Programmer Response:** If the sense data is returned, find the returned sense data in *IBM 3990 Storage Control Reference*. Otherwise, refer to *IBM 3990 Operations and Recovery Guide*.

**Source:** DFSMSdfp

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**IDC31561I VTOC ACCESS ERROR RC=return-code  
CVSTAT=stat ADDR=cccchhhrr**

**Explanation:** The LISTDATA command to print a PINNED TRACK REPORT was issued and was unsuccessful. The attempt to access the VTOC for the volume failed.

In the message text:

<i>return-code</i>	The decimal return code from a CVAFSEQ or CVAFDIR macro.
<i>stat</i>	The CVAF status code in decimal.
<i>cccchhhrr</i>	The hexadecimal address in the VTOC of the DSCB being read.

## IDC31562I • IDC31601I

**System Action:** Processing continues.

**Application Programmer Response:** For MVS/ESA or MVS/XA, refer to *z/OS DFSMSdfp Storage Administration Reference* for the meanings of CVSTAT codes. For z/OS, see *z/OS MVS System Data Set Definition*.

For logical errors, return codes 4 and 12, contact your local IBM support personnel. For VTOC structure errors, return code 8, and for I/O errors, return code 16, correct the cause of the error and resubmit the job.

**Source:** DFSMSdfp

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### IDC31562I THE *parameter* PARAMETER IS NOT AVAILABLE FOR THE SPECIFIED SUBSYSTEM OR DEVICE

**Explanation:** A LISTDATA or SETCACHE command was issued. Either a parameter that is not supported on the device specified was encountered or a hardware error might have caused the device to be unable to perform the requested command. This message is also printed if:

- The device specified for a duplex pair secondary or alternate device is not attached to a 3990 Model 3 or Model 6.
- DIRECTOR (SD) is requested for a device not attached to a 3880 Model 21.
- SETCACHE REINITIALIZE, SETCACHE SUBSYSTEM OFF, SETCACHE NVS OFF, or LISTDATA ACCESSCODE is issued to the secondary device of a duplex pair.
- DUAL COPY OPERATION (SETSECONDARY, SUSPENDPRIMARY, SUSPENDSECONDARY, RESETTODUPLEX, REESTABLISHDUPLEX, RESETTOSIMPLEX) was issued to a 2105 storage control unit.

In the message text:

*parameter*

The parameter that is not applicable for the specified subsystem.

For SETCACHE, unsupported parameters include:

- CACHEFASTWRITE
- DASDFASTWRITE
- DESTAGE
- DIRECTOR
- DISCARDPINNED
- NVS
- PENDINGOFF
- REESTABLISHDUPLEX
- REINITIALIZE
- RESETTODUPLEX
- RESETTOSIMPLEX
- SETSECONDARY
- SUSPENDPRIMARY
- SUSPENDSECONDARY

- UNITNUMBER
- DEVICE
- SUBSYSTEM

For LISTDATA, unsupported parameters include:

- DSTATUS
- PINNED
- ACCESSCODE

**System Action:** Processing continues.

**Application Programmer Response:** Resubmit the job, specifying the appropriate device. Check the status of the device to verify that it can perform the requested command.

**Source:** DFSMSdfp

**Detecting Module:** IDCSS01

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### IDC31564I THE SUBSYSTEM WILL NOT SUPPORT PAGING MODE: THE CACHE MUST BE INITIALIZED

**Explanation:** This message is issued when a permanent error occurs and the subsystem can no longer support paging. The message appears at the end of the subsystem status report containing the status counts at the time the error occurred.

**System Action:** The cache is initialized when MVS is IPLed (if the subsystem is online), or during the first PAGEADD command.

**Application Programmer Response:** IPL MVS with the subsystem online, or set the subsystem online after the IPL and do a PAGEADD to initialize the cache.

**Source:** DFSMSdfp

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### IDC31601I VOLUME *volser* NOT ON A CACHING SUBSYSTEM

**Explanation:** The FILE or VOLUME parameter specifies a volume that is not on a caching subsystem.

In the message text:

*volser* The volume serial number.

**System Action:** The system does not process the command with the FILE or VOLUME parameter.

**Application Programmer Response:** Probable user error, or the operator varied offline the device with the specified volume.

Correct the DD statement associated with the FILE parameter, or correct the volser on the VOLUME parameter. Make sure that the required device is online. Then issue the command again.

**Source:** DFSMSdfp

**Detecting Module:** IDCSS02

**IDC31602I    LOAD REAL ADDRESS FAILED ON I/O OPERATION**

**Explanation:** The Load Real Address (LRA) assembler instruction failed during an I/O operation. This is probably a system error.

**System Action:** The system could not process the instruction.

**Application Programmer Response:** Add an AMSDUMP DD statement to the JCL and run the program again.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** DFSMSdfp

**Detecting Module:** IDCSS03

**IDC31604I    UNITTYPE SPECIFIED IS NOT A VALID SUBSYSTEM UNITTYPE**

**Explanation:** The unit type specified in the unit parameter was not valid. 3350 and 3380 are valid unit types for LISTDATA and SETCACHE commands. 3380 is the only valid unit type for a BINDDATA command. This message is also issued if the request is not supported for the storage control model.

**System Action:** Processing is ended for this command.

**Application Programmer Response:** Change the unit type and reissue the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCBD01, IDCLA01, IDCSC01

**IDC31606I    UNABLE TO *action* -PROBABLE CAUSE IS *cause* -VOLUME *volser***

**Explanation:** A SETCACHE or LISTDATA request cannot be run because the state of the subsystem or device is not as required.

For a SETCACHE request, *action* and *cause* can be replaced with the following values:

**Action Causes/Responses****SET DEVICE CACHING ON**

**-PINNED DATA:** Probable cause for the device being in pending state is pinned data. In order for the device to be activated for caching the pinned data must first be discarded (SETCACHE DISCARDPINNED).

A PINNED TRACK REPORT can be generated (LISTDATA PINNED), and the data set with pinned retrievable or non-retrievable tracks can then be copied to a device prior to discarding the

pinned data. (Possible utilities for copying the data set are IEBCOPY and IEBGENER.) For other types of pinned data, reaccess and try to destage or discard.

**SET DEVICE CACHING OFF**

**-DASDFASTWRITE FAILED:** The 'DASD fast write failed' condition exists for this device. The command is ended and results in no action taken.

**DISCARDPINNED**

**-DASDFASTWRITE FAILED:** The 'DASD fast write failed' condition exists for this device. The command is ended and results in no action taken.

**DESTAGE**

**-NVS FAILED:** The nonvolatile storage is failed. The command is ended and results in no action taken.

**SET SUBSYSTEM STORAGE OFF**

**-NVS FAILED:** The nonvolatile storage is failed. The command is ended and results in no action taken.

**SET SUBSYSTEM STORAGE ON**

**-PINNED DATA:** Probable cause for the subsystem being in pending state is pinned data. To activate the subsystem storage, the pinned data must first be discarded by a SETCACHE DISCARDPINNED for each volume with pinned data or a SUBSYSTEM PENDINGOFF, which causes cache fast write pinned data in the cache to be discarded. (SUBSYSTEM PENDINGOFF will not work for data pinned in the NVS.) A PINNED TRACK REPORT can be generated (LISTDATA PINNED), and then the data set with pinned retrievable or non-retrievable tracks can be copied to a device prior to discarding the pinned data. (Possible utilities for copying the data set are IEBCOPY and IEBGENER.) For other types of pinned data, reaccess and try to destage or discard.

**-DISABLED FOR MAINTENANCE:** To activate subsystem storage, rerun the SETCACHE command when the subsystem is no longer disabled for maintenance (probable SR action to enable).

**SET SUBSYSTEM STORAGE PENDINGOFF**

**-WRONG COMMAND ISSUED:** The subsystem is not in pending state with scan complete. The SETCACHE SUBSYSTEM OFF would probably have resulted in the subsystem storage being deactivated.

**-NVS PINNED DATA:** There is pinned data in the NVS. A PINNED TRACK REPORT can be generated (LISTDATA PINNED), and then the data set with pinned retrievable or non-retrievable tracks can be copied to a device prior to

## IDC31606I

discarding the pinned data. (Possible utilities for copying the data set are IEBCOPY and IEBGENER.) For other types of pinned data, reaccess and try to destage or discard.

### SET NVS ON

**-PINNED DATA:** Probable cause for the NVS being in pending state is pinned data. To activate the NVS, the pinned data for each volume must first be discarded (SETCACHE DISCARDPINNED). If the volume is a DASD fast write volume and in pending state, the data can be discarded with a SETCACHE DASDFASTWRITE PENDINGOFF. A PINNED TRACK REPORT can be generated (LISTDATA PINNED), and then the data set with pinned retrievable or non-retrievable tracks can be copied to a device prior to discarding the pinned data. (Possible utilities for copying the data set are IEBCOPY and IEBGENER.) For other types of pinned data, reaccess and try to destage or discard.

**-PINNED DATA OR NVS FAILED:** If the DASD FAST WRITE volumes show pending in the 'STATUS REPORT' or NVS is failed (which is caused by a malfunction or NVS being taken offline by a SR action), a SETCACHE DASDFASTWRITE PENDINGOFF can be issued for the devices which are pending (have pinned data). A PINNED TRACK REPORT can be generated (LISTDATA PINNED), and then the data set with pinned retrievable or non-retrievable tracks can be copied to a device prior to discarding the pinned data. (Possible utilities for copying the data set are IEBCOPY and IEBGENER.) For other types of pinned data, reaccess and try to destage or discard.

**-DISABLED FOR MAINTENANCE:** To activate the NVS, rerun the SETCACHE command when the NVS is no longer disabled for maintenance (probable SR action to enable).

### SET NVS OFF

**-NVS INITIALIZING:** Rerun the SETCACHE job when the NVS has finished initialization.

### SET DASD FAST WRITE ON

**-NVS FAILED:** Probable cause is malfunction or SR action. This message may occur after a duplex pair has been ended (with a RESETTOSIMPLEX parameter). If DASD fast write is on prior to ending a duplex pair, IDCAMS will attempt to set DASD fast write off and then restore to active status after the end. This is done to assure that the pairs are true copies.

### SET DASD FAST WRITE OFF

**-DASDFASTWRITE FAILED:** This is caused by an incorrect 'device ID' (DASD fast write failed) and the device is DASD fast write active.

**-INVALID DFW DATA FOR SYNC:** There is data for the device in the failed nonvolatile storage and the data is not in cache storage. This condition prevents the scheduling of destage of all DASD fast write data for the device, and the setting of indicators to prevent further DASD fast write activity on the device.

### SET DASD FAST WRITE PENDINGOFF

**-WRONG COMMAND ISSUED:** The SETCACHE DASDFASTWRITE OFF command would probably have resulted in the DASD fast write being deactivated.

### SET CACHE FAST WRITE ON

**-PINNED DATA:** A PINNED TRACK REPORT can be generated (LISTDATA PINNED), and then the data set with pinned retrievable or non-retrievable tracks can be copied to a device prior to discarding the pinned data. (Possible utilities for copying the data set are IEBCOPY and IEBGENER.) For other types of pinned data, reaccess and try to destage or discard.

### ESTABLISH A DUPLEX PAIR

**-NVS OFFLINE:** Issue a SETCACHE NVS ON to activate NVS.

**-CACHE OFFLINE:** Issue a SETCACHE SUBSYSTEM ON to activate subsystem storage.

**-PRIMARY DEVICE NOT SIMPLEX:** A volser was selected which is already being used for dual copy operations. Reissue the command with a non-duplex pair volser specified.

**-SECONDARY DEVICE NOT SIMPLEX:** A device ID was selected which is already being used for dual copy operations. Reissue the command with a non-duplex pair device ID specified.

**-CACHING ACTIVE:** Although IDCAMS will set device caching off to both devices prior to attempting to establish a duplex pair, if device caching is inadvertently set back on (perhaps by another host) or is in pending state this cause is given. Note that IDCAMS restores the device caching state of the duplex pair to the original state of the primary device after the establish duplex pair channel program has run.

**-PRIMARY AND SECONDARY ARE SAME DEVICE:** The volser of the requested primary and the device id of the requested secondary are the same device.

**-DEVICE RESERVED OR BUSY TO ANOTHER PROCESSOR:** An attempt to establish a duplex pair has failed because the target secondary device was busy when the 3990 attempted to claim the volume. A possible reason for the target secondary to be busy is that the device is not offline to ALL attached



hosts and there is host activity using this volume. (Operator commands like a DEVSERV against the target volume will cause host I/O to the volume.) Synchronize the target secondary device on all attached hosts and reissue the command.

**-PATH-GROUPS ARE NOT COMPATIBLE:**

The 3990 command rejected the establishment of the duplex pair with sense indicating that the proposed secondary device for the duplex pair has at least one path group established, and that the primary and secondary devices do not have the same path groups established on all channel paths. A possible reason for this is that some other host attached to this device had the device ONLINE and another non-MVS host attached to the secondary has a path group established for the secondary. Note that this 3990 check is to help insure that the secondary is in the proper state; that is, either no path group exists or the path group of the secondary is the same as that for the primary. Insure that the target secondary device is OFFLINE to all attached MVS hosts. If non-MVS hosts are attached to the device insure that the path groups for the secondary device are resigned or equal to the primary.

**REESTABLISH A DUPLEX PAIR**

**-PINNED DATA:** The suspended duplex primary volume has pinned data. A PINNED TRACK REPORT can be generated (LISTDATA PINNED), and then the data set with pinned retrievable or non-retrievable tracks can be copied to a device prior to discarding the pinned data. (Possible utilities for copying the data set are IEBCOPY and IEBGENER.) Discard using DISCARDPINNED or DASDFASTWRITE PENDINGOFF (depending on the circumstances).

**-NVS OFFLINE:** Issue a SETCACHE NVS ON to activate NVS.

**-CACHE OFFLINE:** Issue a SETCACHE SUBSYSTEM ON to activate subsystem storage.

**-DEVICE IS NOT A PRIMARY:** The volser specified as the primary volume is not part of a duplex pair or is the secondary volume of a duplex pair. Probable user error. Correct the volser and reissue the command. volser.

**-ALTERNATE DEVICE NOT SIMPLEX:** A device ID was selected which is already being used for dual copy operations. Reissue the command with a non-duplex pair device ID specified.

**-CACHING ACTIVE:** Although IDCAMS will set device caching off to the alternate device prior to attempting to establish a duplex pair, if

device caching is inadvertently set back on (perhaps by another host) or is in pending state this cause is given.

**-PRIMARY AND ALTERNATE ARE SAME**

**DEVICE:** The volser of the requested primary and the device ID of the requested alternate are the same device.

**-DEVICE RESERVED OR BUSY TO**

**ANOTHER PROCESSOR:** An attempt to establish a duplex pair has failed because the target alternate device was busy when the 3990 attempted to claim the volume. The target alternate could be busy because the device is not offline to all attached hosts and there is host activity using this volume (operator commands like a DEVSERV against the target volume will cause host I/O to the volume). Synchronize the target alternate device on all attached hosts and reissue the command.

**-PATH-GROUPS ARE NOT COMPATIBLE:**

The 3990 command rejected the establishment of the duplex pair with sense indicating that the proposed alternate device for the duplex pair has at least one path group established and that the primary and alternate devices do not have the same path groups established on all channel paths. A possible reason for this is that some other host attached to the alternate had the alternate ONLINE and another non-MVS host attached to this device has a path group established for the device. Note that this 3990 check is to help insure that the alternate is in the proper state; that is, either no path group exists or the path group of the alternate is the same as that for the primary. Insure that the target alternate device is OFFLINE to all attached MVS hosts. If non-MVS hosts are attached to the device insure that the path groups for the alternate device are resigned or equal to the primary.

**ESTABLISH A DUPLEX PAIR FROM SUSPENDED DUPLEX**

**-PINNED DATA:** The suspended duplex primary volume has pinned data. A PINNED TRACK REPORT can be generated (LISTDATA PINNED), and then the data set with pinned retrievable or non-retrievable tracks can be copied to a device prior to discarding the pinned data. (Possible utilities for copying the data set are IEBCOPY and IEBGENER.) Discard using DISCARDPINNED or DASDFASTWRITE PENDINGOFF (depending on the circumstances).

**-NVS OFFLINE:** Issue a SETCACHE NVS ON to activate NVS.

**-CACHE OFFLINE:** Issue a SETCACHE SUBSYSTEM ON to activate subsystem storage.

## IDC31607I • IDC31610I

**-DEVICE IS NOT A PRIMARY:** The volser specified as the primary volume is not part of a duplex pair or is the secondary volume of a duplex pair. Probable user error. Correct the volser and reissue the command.

### TERMINATE A DUPLEX PAIR

**-DEVICE IS NOT A PRIMARY:** The volser specified as the primary volume is not part of a duplex pair or is the secondary volume of a duplex pair. Probable user error. Correct the volser and reissue the command.

**-PINNED DATA:** DASD fast write is in pending state. A PINNED TRACK REPORT can be generated (LISTDATA PINNED), and then the data set with pinned retrievable or non-retrievable tracks can be copied to a device prior to discarding the pinned data. (Possible utilities for copying the data set are IEBCOPY and IEBGENER.) Discard using DISCARDPINNED or DASDFASTWRITE PENDINGOFF (depending on the circumstances).

### SUSPEND A DUPLEX PAIR

**-DEVICE IS NOT A PRIMARY:** The volser specified as the primary volume is not part of a duplex pair or is the secondary volume of a duplex pair. Probable user error. Correct the volser and reissue the command.

**-PAIR ALREADY SUSPENDED:** A request to suspend an already suspended duplex pair results in no action being taken.

**-SUSPENDPRIMARY TO DUPLEX PENDING PAIR:** A request to suspend a duplex pair with the primary as the suspended device while establishing a duplex pair is pending. The SUSPENDPRIMARY command is ended with no action taken.

For a LISTDATA request, *action* and *cause* can be replaced with the following values:

#### Action Cause

### READ PINNED TRACK DATA

**-CACHE STORAGE IS FAILED OR UNAVAILABLE:** An attempt to read pinned track data was unsuccessful because cache storage was not available or pending.

In the message text:

*volser* The volume serial number.

*action* The specified action.

*cause* The cause of the error.

**System Action:** Processing continues.

**Application Programmer Response:** Resubmit when the state changes to allow the command. Most can be checked with LISTDATA...STATUS. In the case of a

user error, correct the volser or other erroneous condition and reissue the command.

**Source:** DFSMSdfp

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### IDC31607I THE SPECIFIED COMMAND REQUIRES ALTER AUTHORIZATION. THE USER DOES NOT HAVE SUFFICIENT ACCESS AUTHORITY FOR *devid* TO BE INCLUDED IN A DUPLEX PAIR

**Explanation:** A SETCACHE SETSECONDARY command or a SETCACHE REESTABLISHDUPLEX command was issued. The volume serial of offline volume which is either the secondary or the alternate volume is not equal to the volume serial of the primary volume. The requestor does not have DASDVOL ALTER authority for the offline volume specified.

In the message text:

*devid* The device identification.

**Source:** DFSMSdfp

**Detecting Module:** IDCSS01

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### IDC31609I DEVICES SELECTED TO FORM A DUPLEX PAIR ARE NOT COMPATIBLE-*reason*

**Explanation:** The SETCACHE command requiring compatible devices was unsuccessful. Commands requiring compatible devices are:

- SETSECONDARY (establish a duplex pair).
- REESTABLISHDUPLEX (reestablish a duplex pair using an alternate device).

In the message text:

*reason* The reason for the error, as follows:

- THE DEVICES ARE NOT THE SAME GEOMETRY AND CAPACITY
- THE DEVICES ARE NOT IN THE SAME LOGICAL DASD SUBSYSTEM

**System Action:** Processing continues.

**Application Programmer Response:** Select compatible devices and rerun the command.

**Source:** DFSMSdfp

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### IDC31610I THE REQUESTED ASYNCHRONOUS OPERATION {COMPLETED IN ERROR | FAILED}

**Explanation:** A SETCACHE command requesting an asynchronous operation was unsuccessful. The asynchronous operations manager returned a return code 8, with reason code 12 (COMPLETED IN ERROR) or reason code 16 (FAILED).

For the COMPLETED IN ERROR condition, the

asynchronous operation completed, but during the operation sense data was offloaded to an attached host with the environmental data present bit set. This sense data indicates the errors that occurred with the asynchronous operation.

For the FAILED condition, the asynchronous operation did not complete. This error may be accompanied by an I/O error message on the console relating to the specific error. There may also be environmental sense data present that could help identify this error.

**System Action:** The asynchronous operation in the storage control has completed. IDCAMS processing continues.

**Application Programmer Response:** Examine a merged LOGREC from all hosts attached to the storage control. For the COMPLETED IN ERROR condition, examine the environmental data to determine what the specific error was and if it pertained to an area on the volume within an allocated data set. From this information you can determine the severity of the error. Note that there may be a collection of environmental sense data caused by this one asynchronous operation. Additional information can be gathered by issuing the DEVSERV command to the device and examining output from message IEE459I. After completing this examination take the appropriate actions to correct the specific data set or entire volume error. If all errors were not in allocated space on the volume, the impact of the error may be minimal. Once you have made these corrections, the volume should be ready to be completely used. Note that the asynchronous operation need not be repeated because it did complete and the state of the subsystem or volume should be as desired.

For the FAILED condition, examine the sense data associated with the specific error as well as any I/O messages that may have appeared on the system console. Environmental sense data may also be helpful in determining the reason for the asynchronous operations failure. Additional information can be gathered by issuing the DEVSERV command to the device and examining output from message IEE459I. After completing this examination take the appropriate actions to correct the problem, and then attempt to reissue the asynchronous operation using the IDCAMS utility.

**Source:** DFSMSdfp

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**IDC31611I WHEN CREATING A DUPLEX PAIR THE {SECONDARY | ALTERNATE} DEVICE MUST BE OFFLINE**

**Explanation:** A SETCACHE request which requires that certain volumes be offline was unsuccessful. The following requests require the specified volume to be offline:

- SETSECONDARY (establish a duplex pair) requires the secondary volume to be offline.

- REESTABLISHDUPLEX (reestablish a duplex pair) requires the alternate volume to be offline.

**System Action:** Processing continues.

**Application Programmer Response:** Vary the secondary/alternate device offline (in ALL hosts attached to the subsystem) and rerun the command.

**Source:** DFSMSdfp

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**IDC31612I NO PATHS ARE AVAILABLE TO THE REQUESTED SD; TO SET ON, ISSUE A SETCACHE SUBSYSTEM ON**

**Explanation:** This message is applicable to a 3880 Model 21. When a storage director is varied online a SETCACHE SUBSYSTEM ON is required to set the storage director on.

**System Action:** Processing continues.

**Application Programmer Response:** Vary the storage director online and issue a SETCACHE SUBSYSTEM ON.

**Source:** DFSMSdfp

---

**IDC31615I THE SPECIFIED DEVICE ID *device* WAS NOT FOUND OR IS NOT CONNECTED TO A CACHING CONTROLLER.**

**Explanation:** A command requiring I/O to an offline device was issued and could not be run. The specified device identifier was not found or the device was connected to a non-caching controller. Commands which allow I/O to offline devices are:

- LISTDATA ACCESSCODE
- LISTDATA STATUS
- SETCACHE NVS OFF
- SETCACHE REINITIALIZE
- SETCACHE RESETTOSIMPLEX
- SETCACHE SUBSYSTEM OFF
- the secondary device ID in SETCACHE SETSECONDARY
- the alternate device ID in SETCACHE REESTABLISHDUPLEX

In the message text:

*device* The device identifier.

**System Action:** Processing continues.

**Application Programmer Response:** Resubmit the command using a device identifier (unit number) attached to a supported subsystem for which the request is to be run.

**Source:** DFSMSdfp

---

**IDC31616I REINITIALIZE FAILED *device* IS NOT OFFLINE**

**Explanation:** A SETCACHE REINITIALIZE request requires that all devices attached to the subsystem be offline. This message is issued for the first volume found to be not offline.

In the message text:

*device* The device identifier (unit number) for one of the devices attached to the subsystem.

**System Action:** Processing continues.

**Application Programmer Response:** Resubmit the command after all volumes have been varied offline.

**Source:** DFSMSdfp

**IDC31617I THE COMMAND *command* IS COMPLETE FOR {THE SUBSYSTEM CONTAINING} *volser* | *unitaddr***

**Explanation:** The I/O operation for the SETCACHE command completed successfully.

In the message text:

*command*

One of the following:

- SUSPENDPRIMARY
- SUSPENDSECONDARY
- SETSECONDARY
- DISCARDPINNED
- REINITIALIZE
- RESETTODUPLEX
- RESETTOSIMPLEX
- REESTABLISHDUPLEX
- CACHEFASTWRITE ON
- CACHEFASTWRITE OFF
- DASDFASTWRITE ON
- DASDFASTWRITE OFF
- DASDFASTWRITE PENDINGOFF
- DESTAGE
- NVS ON
- NVS OFF

*volser* The volume serial number.

*unitaddr*

The unit address.

**System Action:** The system sets the return code to 0.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**IDC31652I OBJECT NOT SUPPORTED IN CIMODE**

**Explanation:** An attempt was made to import an object from a CIMODE portable dataset, which is not supported on this system. IMPORT CIMODE can only use ESDS base clusters that do not have an alternate index.

**System Action:** The system ends processing.

**Application Programmer Response:** You must either create the portable data set in record mode, or change its attributes to an ESDS cluster with no alternate indexes.

**Source:** DFSMSdfp

**IDC31655I '*keywd*' PARAMETER INVALID WITH ENTRY TYPE**

**Explanation:** The specified keyword is improper for the type of object being imported.

In the message text:

*keywd* The specified keyword.

**System Action:** The command is ended.

**Application Programmer Response:** Specify the proper parameters for the type of object being imported and retry the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

**IDC31658I INVALID AUTHORIZATION TO BYPASS ACS PROCESSING**

**Explanation:** A caller supplied a pointer to the ACERO in the AMS processor invocation argument list; that pointer ordinarily causes the caller to bypass ACS processing. However, the caller was not APF authorized, and thus cannot bypass ACS processing.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** Either clear the ACERO pointer in the AMS processor invocation argument list, or reissue the command in an APF-authorized state.

**Source:** DFSMSdfp

**Detecting Module:** IDCMP01

**IDC31660I INVALID CATALOG NAME ON OUTDATASET OR OUTFILE.**

**Explanation:** The catalog name on the out data set or outfile does not match the catalog name in the exported copy. This is an error.

**System Action:** The system ends command processing.

**Application Programmer Response:** Correct the catalog name on the out data set or outfile. Run the job again.

**Source:** DFSMSdfp

---

**IDC31662I    UNAUTHORIZED CALLER REQUESTED  
AN AUTHORIZED FUNCTION**

**Explanation:** Access method services was called to IMPORT a catalog using the problem program interface. However, the caller was not running in an authorized mode.

**System Action:** The request is ended.

**Application Programmer Response:** Obtain APF authorization for the caller of access method services using the problem program interface.

**Source:** DFSMSdfp

---

**IDC31700I    VSAM OPEN ERROR**

**Explanation:** An error during OPEN processing prevents testing of the data set.

**System Action:** Processing ends.

**Application Programmer Response:** For more information, see message IDC3009I, which immediately precedes this message.

**Source:** DFSMSdfp

---

**IDC31701I    INSUFFICIENT VIRTUAL STORAGE  
AVAILABLE**

**Explanation:** Virtual storage is insufficient to continue processing.

**System Action:** The data set is closed, and processing ends.

**Application Programmer Response:** Increase the region size and re-run.

**Source:** DFSMSdfp

---

**IDC31702I    DATA SET REQUESTED IS NOT A  
VSAM KSDS CLUSTER**

**Explanation:** At open time it is found that the data set is not a key-sequenced data set.

**System Action:** The data set is closed, and processing ends.

**Application Programmer Response:** Verify that you are using the correct data set name.

**Source:** DFSMSdfp

---

**IDC31703I    DATA SET REQUESTED FOUND TO BE  
IN CREATE MODE**

**Explanation:** The data set is in create mode and, therefore, cannot be tested.

**System Action:** The data set is closed, and processing ends.

**Application Programmer Response:** Verify that you

are using the correct data set name.

**Source:** DFSMSdfp

---

**IDC31704I    DATA SET IS ALREADY OPEN FOR  
OUTPUT OR WAS NOT CLOSED  
CORRECTLY**

**Explanation:** The data set is already OPEN for output by a user on another system, or was not previously closed.

**System Action:** The data set is closed, and processing ends.

**Application Programmer Response:** If the data set is OPEN for output, it must be closed before running EXAMINE. If it is not OPEN for output, you must run verify (via the VERIFY command) before running EXAMINE.

**Source:** DFSMSdfp

---

**IDC31705I    DATATEST NOT PERFORMED DUE TO  
SEVERE INDEXTEST ERRORS**

**Explanation:** You have requested both INDEXTEST and DATATEST. Errors encountered during the index test are of such severity that further testing of the data component might not yield usable information.

**System Action:** The data set is closed, and processing ends.

**Application Programmer Response:** You should analyze the information presented by INDEXTEST and take appropriate action to rebuild or recover the data set. You may run the data test by specifying the NOINDEXTEST DATATEST parameters.

**Source:** DFSMSdfp

---

**IDC31706I    VSAM CONTROL BLOCK ERROR**

**Explanation:** At least one field within a VSAM control block built by OPEN contains incorrect data.

**System Action:** The data set is closed, and processing ends.

**Application Programmer Response:** You should attempt to determine the cause of the problem. See *z/OS DFSMSdfp Diagnosis Guide* for information on dumps points.

**Source:** DFSMSdfp

---

**IDC31707I    ERROR OBTAINING TSO QUALIFIER**

**Explanation:** The Time Sharing Option/Extensions (TSO/E) user id cannot be prefixed to the unqualified data set name.

**System Action:** Processing ends.

**Application Programmer Response:** You should



## IDC31708I • IDC31802I

attempt to determine the cause of the problem. See *z/OS DFSMSdfp Diagnosis Guide* for information on dump points.

**Source:** DFSMSdfp

---

### IDC31708I ERROR OBTAINING FORMAT ONE DSCB FROM VTOC

**Explanation:** An error other than 'DSCB Not Found' occurred when EXAMINE tried to obtain a Format-1 DSCB for the cluster.

**System Action:** Processing ends.

**Application Programmer Response:** You should attempt to determine the cause of the problem. See *z/OS DFSMSdfp Diagnosis Guide* for information on dump points.

**Source:** DFSMSdfp

---

### IDC31709I ERROR OBTAINING VOLUME INFORMATION

**Explanation:** Volume information for the specified entry name cannot be obtained.

**System Action:** Processing ends.

**Application Programmer Response:** You should attempt to determine the cause of the problem. Refer to *z/OS DFSMSdfp Diagnosis Guide* for information on dump points.

**Source:** DFSMSdfp

---

### IDC31710I CI ACCESS ERROR

**Explanation:** An I/O error has been encountered while attempting to read a control interval.

**System Action:** Processing ends.

**Application Programmer Response:** You should attempt to determine the cause of the problem. See *z/OS DFSMSdfp Diagnosis Guide* for information on dump points.

**Source:** DFSMSdfp

---

### IDC31750I IMPROPER ENVIRONMENT FOR COMMAND

**Explanation:** During processing of a command, access method services detected that the environment was improper for that command. Processing occurred in either a Time Sharing Option (TSO) or TSO/Extensions (TSO/E) release 1 environment; the command requires a TSO/E release 2 or higher.

**System Action:** The system ends processing of the command.

**Application Programmer Response:** If TSO/E release 2 or higher is installed, run the command in the

foreground as a TSO command.

**Source:** DFSMSdfp

**Detecting Module:** IDCTC01

---

### IDC31751I COMMAND ABNORMALLY TERMINATED. TMP ABEND CODE IS *code*

**Explanation:** The terminal monitor program (TMP) indicated to access method services (AMS) that a command abnormally ended.

In the message text:

*code* The abend code.

**System Action:** The system ends the command.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** IDCTC01

---

### IDC31801I INVALID FORMAT FOR OUTPUT DATA SET *name*

**Explanation:** Data set had an incorrect data set organization or an incorrect record format.

In the message text:

*name* The data set name.

**System Action:** The system ends the command.

**Application Programmer Response:** Ensure that the data set has a data set organization of physical sequential and a record format of "V" or "VB".

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

---

### IDC31802I LOAD OF MODULE *name* WAS UNSUCCESSFUL. ABEND CODE IS *xx* - REASON CODE IS *reason-code*

**Explanation:** The named module could not be loaded into system storage.

In the message text:

*name* The name of the module.

*xx* The abend code.

*reason-code* The reason code.

**System Action:** Processing provided by the named module is not performed.

**Application Programmer Response:** Notify the system programmer.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

#### **IDC31810I    INSUFFICIENT FACILITY CLASS AUTHORIZATION TO PERFORM FUNCTION**

**Explanation:** An attempt was made to perform a function without proper authority to 'STGADMIN.IDC.DCOLLECT'.

**System Action:** The system ends the command.

**Application Programmer Response:** Obtain proper facility class authorization to 'STGADMIN.IDC.DCOLLECT'.

**System Programmer Response:** If the error recurs and the program is not in error, look at the messages in the job log for more information. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the JCL, the SYSOUT output for the job, and all printed output and output data sets related to the problem.

**Source:** DFSMSdfp

#### **IDC31863I    OFFSET MISSING OR SPECIFICATION INVALID IN OFFSET PAIR *number* REASON CODE IS *reason-code***

**Explanation:** INSERTSHIFT was specified on an access method services (AMS) PRINT or REPRO copy of a data set operation. AMS, while checking offset values, detected one of the following:

##### **Code    Reason**

- |           |                                                                                      |
|-----------|--------------------------------------------------------------------------------------|
| <b>4</b>  | One or more pairs have the offset missing.                                           |
| <b>8</b>  | The difference between the first offset and the second offset is not an even number. |
| <b>12</b> | The first offset was specified as greater than the second offset.                    |

In the message text:

*number*            The offset pair in which the error was detected.

*reason-code*      The reason code.

**System Action:** The command is ended. The return code is 12.

**Application Programmer Response:** Recheck the

specification of the offset pairs in the INSERTSHIFT keyword. Make sure *offset1* is not greater than *offset2* in any offset pair and that the difference between *offset1* and *offset2* is an even number.

**Source:** DFSMSdfp

#### **IDC31864I    OFFSET PAIR *number1* RANGE OVERLAPS OFFSET PAIR *number2***

**Explanation:** INSERTSHIFT was specified on an access method services (AMS) PRINT or REPRO copy of a data set operation. AMS, while checking offset values, detected that a set of offset pairs had overlapping ranges. This would cause the data to fail during DBCS criteria checking.

In the message text:

*number1* and *number2*

The offset pairs with overlapping values.

**System Action:** The command is ended. The return code is 12.

**Application Programmer Response:** Recheck the offset pair specifications in the INSERTSHIFT keyword. You should make sure that offset pair values do not overlap.

**Source:** DFSMSdfp

#### **IDC31865I    OFFSET *offset* IN OFFSET PAIR *number* EXCEEDS MAXIMUM RECORD LENGTH**

**Explanation:** INSERTSHIFT was specified on an access method services (AMS) REPRO copy of a data set. AMS, while comparing offsets and target data sets (maximum) record length, discovered that the offset exceeds the maximum record length of the target data set.

In the message text:

*offset*    The offset.

*number*    The offset pair.

**System Action:** The command is ended. The return code is 12.

**Application Programmer Response:** Recheck the offset pair specifications in the INSERTSHIFT keyword. Make sure that an offset value does not exceed the maximum record length of the target data set.

**Source:** DFSMSdfp

#### **IDC31880I    RECOVERY NOT SET FOR *dsname***

**Explanation:** A SHCDS FRSETRR command failed for data set *dsname*. The explanation for the command failure follows the message.

**Source:** DFSMSdfp

## IDC31881I • IDC31889I

Detecting Module: IDCSH07

---

### IDC31881I UNBIND NOT SET FOR *dsname*

**Explanation:** A SHCDS FRUNBIND command failed for data set *dsname*. The explanation for the command failure follows the message.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH08

---

### IDC31882I BIND NOT SET FOR *dsname*

**Explanation:** A SHCDS FRBIND command failed for data set *dsname*. The explanation for the command failure follows the message.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH09

---

### IDC31883I IDC31883I RECOVERY NOT RESET FOR *dsname*

**Explanation:** A SHCDS FRRESETRR command failed for data set *dsname*. The explanation for the command failure follows the message.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH10

---

### IDC31884I UNBOUND LOCKS NOT DELETED FOR *dsname*

**Explanation:** A SHCDS FRDELETEUNBOUNDLOCKS command failed for data set *dsname*. The explanation for the command failure follows the message.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH11

---

### IDC31885I NON-RLS UPDATE NOT PERMITTED FOR *dsname*

**Explanation:** The data set that has been accessed in RLS mode has failed to be permitted access in non-RLS mode. The explanation for the command failure follows the message.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH12

---

### IDC31886I NON-RLS UPDATE NOT DENIED FOR *dsname*

**Explanation:** The data set that has been accessed in non-RLS mode is not denied access in non-RLS mode.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH13

---

### IDC31887I SUBSYSTEM *subsystem* NOT REMOVED

**Explanation:** *subsystem* was not disconnected from SMSVSAM. The messages that follow explain the reason the subsystem was not removed.

**System Programmer Response:** Be sure the correct subsystem name is specified.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH14

---

### IDC31888I UNEXPECTED ERROR FROM SMSVSAM SERVER DIAGNOSTIC INFORMATION: RC = *return-code* RS = *reason-code*

**Explanation:** The SMSVSAM address space returned error indicated by the *return-code* and *reason-code* values.

**User Response:** Contact the system programmer regarding procedures to start the SMSVSAM address space.

**Operator Response:** Contact the system programmer regarding procedures to start the SMSVSAM address space.

**Application Programmer Response:** Contact the system programmer regarding procedures to start the SMSVSAM address space.

**System Programmer Response:** Refer to *z/OS DFSMSdfp Diagnosis Reference* for providing documentation for SMSVSAM problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH01, IDCSH02, IDCSH03, IDCSH04, IDCSH05, IDCSH06, IDCSH07, IDCSH08, IDCSH09, IDCSH10, IDCSH11, IDCSH12, IDCSH13, IDCSH14, IDCSH15

---

### IDC31889I SMSVSAM SERVER NOT AVAILABLE

**Explanation:** The SMSVSAM address space is not available to handle the request.

**User Response:** Contact the system programmer regarding procedures to start the SMSVSAM address space.

**Operator Response:** Contact the system programmer regarding procedures to start the SMSVSAM address space.

**Application Programmer Response:** Contact the system programmer regarding procedures to start the SMSVSAM address space.

**System Programmer Response:** Make the SMSVSAM address space available. See the *z/OS DFSMSdfp Storage Administration Reference* for requirements.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH01, IDCSH02, IDCSH03, IDCSH04, IDCSH05, IDCSH06, IDCSH07, IDCSH08, IDCSH09, IDCSH10, IDCSH11, IDCSH12, IDCSH13, IDCSH14, IDCSH15

---

#### IDC31890I DATASET NOT LISTED

**Explanation:** The SMSVSAM address space did not contain information related to the data set requested. Can be issued also in response to SHCDS sub-commands LISTDS, LISTSUBSYS, or LISTSUBSYSDS. Data sets are not listed if they are not currently open for RLS mode or do not have related lock information being maintained in the SMSVSAM address space.

**Application Programmer Response:** Ensure the data set name has been specified correctly. Verify the related catalog has connectivity to the system being used for the SHCDS command. Contact system programmer for SMSVSAM diagnosis instructions.

**System Programmer Response:** See the *z/OS DFSMSdfp Storage Administration Reference* for requirements.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH02, IDCSH04, IDCSH05, IDCSH06

---

#### IDC31891I SUBSYSTEM NOT LISTED

**Explanation:** The SMSVSAM address space did not contain information related to the subsystem requested. Can be issued also in response to SHCDS sub-commands LISTDS, LISTSUBSYS, or LISTSUBSYSDS. Subsystems are not listed if they are not currently active or do not have related lock information being maintained in the SMSVSAM address space.

**Application Programmer Response:** Ensure the subsystem has been specified correctly. Contact system programmer for SMSVSAM diagnosis instructions.

**System Programmer Response:** See the *z/OS DFSMSdfp Storage Administration Reference* for requirements.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH02, IDCSH03, IDCSH04, IDCSH05, IDCSH06

---

#### IDC31892I INSUFFICIENT USER AUTHORIZATION FOR SHCDS COMMAND

**Explanation:** To use the SHCDS List subcommands, READ authority to the FACILITY class profile STGADMIN.IGWSHCDS.REPAIR is required. UPDATE authority to this FACILITY class profile is required for the FR\* subcommands, the PERMITNONRLSUPDATE,

DENYNONRLSUPDATE, and REMOVESUBSYS subcommands.

For the CFREPAIR and CFRESET subcommands, ALTER authority is required to the specified catalog.

The following additional authority is required:

- For the FR\*, PERMITNONRLSUPDATE, DENYNONRLSUPDATE subcommands, UPDATE authority to the base cluster.
- For the REMOVESUBSYS subcommand, UPDATE authority to the RACF SUBSYSNM class.

**Application Programmer Response:** Obtain the proper authorization for the command.

**System Programmer Response:** Provide authorization for using the SHCDS command.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH01, IDCSH15, IDCSH16

---

#### IDC31893I NO SUBSYSTEM INFORMATION FOUND

**Explanation:** The SMSVSAM address space did not contain information related to the subsystem requested. Can be issued also in response to SHCDS sub-commands LISTDS, LISTSUBSYS, or LISTSUBSYSDS. Subsystems are not listed if they are not currently active or do not have related lock information being maintained in the SMSVSAM address space.

**Application Programmer Response:** Ensure the subsystem has been specified correctly. Contact system programmer for SMSVSAM diagnosis instructions.

**System Programmer Response:** See the *z/OS DFSMSdfp Storage Administration Reference* for requirements.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH02, IDCSH03, IDCSH04, IDCSH05, IDCSH06

---

#### IDC31894I NO DATASET RECOVERY INFORMATION FOUND

**Explanation:** The SMSVSAM address space did not contain lock recovery information related to the data set requested. Can be issued also in response to SHCDS sub-commands LISTRECOVERY. Data sets are not listed if they do not have retained or lost locks, do not have non-RLS permit status, or not marked with forward recovery required.

**Application Programmer Response:** Ensure the data set or data set qualifiers have been specified correctly. Contact system programmer for SMSVSAM diagnosis instructions.

**System Programmer Response:** See the *z/OS*

## IDC31895I • IDC31901I

DFSMSdfp Storage Administration Reference for requirements.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH05

---

### IDC31895I DATA SETS UNSUCCESSFULLY PROCESSED

**Explanation:** An SHCDS CFREPAIR, CFRESET, or CFRESETDS command was issued. For each data set that was not processed, the following information is presented:

- The data set name
- The reason that the data set was not processed

**Application Programmer Response:** Examine the return and reason codes and determine if any further action needs to be taken.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH15, IDCSH16, IDCSH17

---

### IDC31896I INSUFFICIENT USER AUTHORIZATION FOR CATALOG UPDATE

**Explanation:** The user does not have sufficient authority to the catalog that was specified in the SHCDS CFREPAIR, CFRESET, or CFRESETDS command.

**Application Programmer Response:** Obtain the proper authorization for the command.

**System Programmer Response:** Provide authorization for using the SHCDS command.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH15, IDCSH16, IDCSH17

---

### IDC31897I CATALOG MUST BE ICF FOR SHCDS COMMAND

**Explanation:** An SHCDS CFREPAIR, CFRESET, or CFRESETDS command was issued against a catalog that is not an ICF catalog.

**Application Programmer Response:** Specify the name of an ICF catalog as the parameter of the INDATASET option.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH15, IDCSH16, IDCSH17

---

### IDC31898I SECURITY VERIFICATION FAILED FOR DATA SET

**Explanation:** Requestor does not have sufficient authorization to perform function on the specified data set.

**Application Programmer Response:** Obtain the required authorization for the data set.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH07, IDCSH08, IDCSH09, IDCSH10, IDCSH11

---

### IDC31900I INCORRECT SPECIFICATION OF *date-field*

**Explanation:** A date was incorrectly specified when using the IDCAMS ALTER or CREATE commands. Date is expected in the format YYYY-MM-DD.

In the message text:

*date-field*

The specific field in error. Possible values include:

**YEAR** The year is not valid. Acceptable values are between 0000 - 2155.

**MONTH** The month is not valid. Acceptable values are between 00 - 12.

**DAY** The day is not valid. Acceptable values are between:

**Value Corresponding Dates**

**01 - 28** for February (not a leap year).

**01 - 29** for February (leap year).

**01 - 30** for April, June, September, and November

**01 - 31** for January, March, May, July, August, October and December.

**32** which means 'never expire' (date of 1999-12-32).

**HYPHEN**

The required hyphen is missing from either the fifth or the eighth position in *date-field*.

**System Action:** The system stops processing the command.

**System Programmer Response:** Correct the date and rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL02

---

### IDC31901I INCORRECT VALUE FOR *parameter*

**Explanation:** An invalid value was specified for the named parameter. See *z/OS DFSMS Access Method Services* for more information about valid values.

In the message text:

*parameter*

The named parameter.

**System Action:** The system stops processing the command.



**System Programmer Response:** Specify a valid value and rerun the job.

**Source:** DFSMSdfp

**Detecting Module:** IDCCR01

**IDC31903I** *parameter1* IS GREATER THAN  
*parameter2*

**Explanation:** The value specified for an IDCAMS CREATE or ALTER command will cause the value for *parameter1* to exceed *parameter2*.

In the message text:

*parameter1*

Parameter value that should be lesser than or equal to *parameter2*.

*parameter2*

Parameter value that should be greater.

**System Action:** The system stops processing the command.

**System Programmer Response:** Correct the appropriate parameter to ensure that the value of *parameter2* is greater than or equal to the value of *parameter1*.

**Source:** DFSMSdfp

**Detecting Module:** IDCAL02

**IDC31950I** NO LOCKS TO BIND/UNBIND

**Explanation:** There were no locks found for the FRBIND/FRUNBIND request for the data set.

**Application Programmer Response:** Be sure the correct data set has been specified. Verify lock status for the data set with the SHCDS LISTDS subcommand.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH08, IDCSH09

**IDC31951I** DATA SET IS OPEN. TRY AGAIN LATER

**Explanation:** Data set is currently in use by another job or user. Rerun the command at a later time.

**Application Programmer Response:** Verify the data sets availability with the SHCDS LISTDS subcommand. Once the data set is no longer in use execute the command.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH07, IDCSH08, IDCSH09, IDCSH10, IDCSH11, IDCSH12, IDCSH13

**IDC31952I** NOT SMS-MANAGED VSAM DATA SET

**Explanation:** The SHCDS subcommand requires that the object of the command be an SMS-managed VSAM data set.

**Application Programmer Response:** Ensure that the data set is specified correctly.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH07, IDCSH08, IDCSH09, IDCSH10, IDCSH11

**IDC31953I** NO UNBOUND LOCKS TO DELETE

**Explanation:** No unbound locks were found for the data set.

**Application Programmer Response:** Ensure that the data set is specified correctly.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH11

**IDC31954I** DATA SET DOES NOT HAVE RETAINED OR LOST LOCKS

**Explanation:** No retained or lost locks were found for the data set.

**Application Programmer Response:** Ensure that the data set is specified correctly.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH12, IDCSH13

**IDC31955I** DATA SET IS NOT RECOVERABLE

**Explanation:** The data set was not recoverable. Redefine the data set or use the ALTER command to add the LOG(ALL) OR LOG(UNDO) option for the data set.

**Application Programmer Response:** Ensure that the data set is specified correctly.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH12, IDCSH13

**IDC31956I** DATA SET NOT FOUND

**Explanation:** The catalog search failed or the data set is not active within SMSVSAM.

**Application Programmer Response:** Ensure that the data set is specified correctly.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH02, IDCSH04, IDCSH05, IDCSH06, IDCSH07, IDCSH08, IDCSH09, IDCSH10, IDCSH11, IDCSH12, IDCSH13

## IDC31957I • IDC31959I

---

### IDC31957I SUBSYSTEM NOT FOUND

**Explanation:** The requested subsystem was not found.

**Application Programmer Response:** Ensure that the subsystem is specified correctly. Use the SHCDS LISTSUBSYS or LISTSUBSYSDS subcommands to verify the subsystem status.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH02, IDCSH03, IDCSH04, IDCSH05, IDCSH06, IDCSH11, IDCSH12, IDCSH13

---

### IDC31958I SUBSYSTEM CURRENTLY ACTIVE

**Explanation:** The requested subsystem was active with the SMSVSAM address space.

**Application Programmer Response:** Ensure that the subsystem is specified correctly. Use the SHCDS LISTSUBSYS or LISTSUBSYSDS subcommands to verify the subsystem status.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH14

---

### IDC31959I ERROR DATA: X'*diagnostic-error-data*'

**Explanation:** The FR\* command failed and the *diagnostic-error-data* was returned. *return-code* and *reason-code* values.

**Application Programmer Response:** Refer to the *z/OS DFSMSdfp Diagnosis Reference* for causes of the failure.

**System Programmer Response:** Refer to the *z/OS DFSMSdfp Diagnosis Reference* for providing documentation for SMSVSAM problem.

**Source:** DFSMSdfp

**Detecting Module:** IDCSH07, IDCSH08, IDCSH09, IDCSH10, IDCSH11

## Chapter 10. IEA Messages

---

### IEA000A SWAP FROM *xxx* TO *zzz* FAILED, RETRY (R) OR TERMINATE (T)

---

**Explanation:** The 3851 ERP (error recovery procedure) detected that the dynamic device reconfiguration (DDR) swap service could not swap the primary mass storage control (MSC) to the alternate MSC. Previous operator messages indicate the reason for the DDR swap service failure. The operator can retry the swap or end the swap. If the swap operation fails consistently, a permanent I/O condition exists.

In the message text:

*xxx* The low number in the range.

*zzz* The high number in the range.

**System Action:** The system waits for the operator's reply (see the operator response for this message).

**Operator Response:** Retry (R). If the error continues to occur, end (T).

If the swap is ended, the system places both MSCs offline. The system continues processing without the MSCs and probably without the MSS (mass storage system) functions.

If the error continues to occur, it is probably because of a hardware problem. The system issues message IEA000I. Follow installation procedures to take corrective action. Notify the system programmer.

**Source:** DFSMSdfp

**Detecting Module:** ERPs. IECIOSCN, IGE0025C

---

IEA000I *dev, err, cm, stat, sens,*  
*{dcbctfd|opxxterm|cylintrck}*  
*[ser], jji[, hh.mm.ss]*

--or--

*dev, err, cm, stat* - **MESSAGE EXIT**  
**UNAVAILABLE** - [*exitname*]

**Explanation:** For the first format of the message, an uncorrectable input/output error was detected by the I/O supervisor, the basic telecommunication access method (BTAM), or the telecommunication access method (TCAM) routine. In systems with the graphics access method (GAM), unit checks and conditions that require operator intervention indicate devices that do not exist or that were included at system generation time but not attached to the system.

For the second format of the message, the message writer was unable to locate the routine that builds the device dependent portion of the above message. If the name of the routine is available, it is included in the message as *exitname*.

Two consecutive commas or a field containing blanks or asterisks in the message text indicates that a field could not be determined or is contained on the next or previous line of the message. If the sense data to be inserted in the *sens* field of the message text exceeds 6 bytes, the *sens* field and the optional field that follows (*dcbctfd* or *opxxterm* or *cylintrck*) do not appear on the first line. Consecutive commas appear instead. The system then issues a second line that includes the device number of the device, the sense data, and, optionally, *dcbctfd*, *opxxterm*, or *cylintrck*. In other words, if the sense data exceeds six bytes, the message has this format:

```
IEA000I dev, err, cm, stat, [, [ser], jji  
[ , hh.mm.ss]  
IEA000I dev, [, sens { , dcbctfd |, opxxterm |  
 , cylintrck }
```

Because two separate WTO instructions issue the two messages shown above, it is possible that one or more unrelated messages could appear between the first message and the second message.

In the message text:

*dev*

Device number of the device or line address of the telecommunication device, in hexadecimal. If the error is a channel program check (CPC) or channel protection check (PRC), this field will be zeros; the error was not caused by a hardware error on the device, but was caused by the program issuing the I/O.

*err* Description of the error based on status and sense information:

DSN - data streaming is not operational.

RST - the I/O Restart routine was entered by Alternate CPU Recovery, the Channel Check Handler, or the Missing Interrupt Handler.

SAF - Staging Adapter failure. The Staging Adapter controlling the DASD address specified has lost communications with the mass storage control.

UEX - unit exception.

MSS users should check the "possible values of *err* and appropriate responses" in the **Operator Response** part of this message description.

*cm* Command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred. If the channel command word cannot be found, this field appears as \*\*.

*stat*

Status portion, in hexadecimal, of the channel status word (CSW).

*sens*

The first byte, in hexadecimal, describes a unit

## IEA000I

check type error condition (for telecommunication devices). The second byte, in hexadecimal, contains sense information resulting from the execution of a diagnostic write/read or read/skip command (from TCAM) which ended with a unit check status (2701 data adapter unit). For other devices, these same two bytes will appear, in hexadecimal, if a unit check condition is indicated in the stat field. For devices that give more than two bytes of sense information, this field will also contain the remaining sense bytes, in hexadecimal. For devices which give more than 6 sense bytes, this field continues on the second line of the message. For DASD devices, this field will contain the 8 sense bytes for program errors or 24 sense bytes for equipment and data checks. For the 3340, this field will contain 24 sense bytes for seek checks.

The message on the system console reflects the sense-byte information from the last entry for direct access devices; the sense-byte information located in the logrec data set data reflects the data from the initial error condition.

### *debctfd*

Record count, in hexadecimal, not including label records. This field appears only for magnetic tape and indicates the count of the record preceding the error record.

### *opxxterm*

TP operation code, in hexadecimal, describing the type of channel command word (CCW) being executed when the error occurred. xx is not used, but is followed by the terminal identification characters, in hexadecimal. It may be either two bytes or one byte, depending on the terminal type. If it is one byte, it is left justified. If a dial line is being used with TCAM, the last four digits of the dial number are provided.

### *cylIntrck*

Address, in hexadecimal, of the cylinder (cyln), and the track (trck) where the error occurred. When an error occurs while trying to obtain this data, the last seek address is substituted. This field appears only for certain disk and drum direct access device errors.

*ser* Serial number of the volume on which the error occurred. This field appears only for magnetic tapes or direct access devices.

*jji* Job name. If the error is a channel program check (CPC) or channel protection check (PRC), this field will indicate the program in error.

### *hh.mm.ss*

Time that the message was received in hours, minutes, and seconds.

**Operator Response:** For all values of *err*, probable hardware error. For magnetic tape devices, proceed with caution in unconditionally accepting the results of

the operation. Check that tapes being used by this job have not been replaced or removed. Each message should be considered as a potential attention of a marginal condition.

For other than magnetic tape devices, note that some abnormal error condition occurred. Depending on the severity of the error (check status and sense information) and depending on the installation requirements, take the appropriate action.

Possible values of *err* and appropriate responses are as follows:

- For MSS users, an attempt has been made to write on a virtual volume that was specified READ ONLY on the CREATEV command.
- SAF - Staging Adapter failure. Use your path chart to determine the SSID of the Staging Adapter involved or use 8nn for the SSID, where nn is byte 25 of the MSS sense data in this message.

**Source:** DFSMSdfp

**Detecting Module:** ERPs

---

**IEA000I**      *dev,err.....hh.mm.ss*

**Explanation:** The processor's error recovery procedures detected an error that requires either a CEM (CE message), or an SUU (subsystem unit unusable) message. An equipment check might occur with either CEM or SUU. Because the system WTO routine can print only one message, the error recovery procedure prints the CEM or SUU message and the system WTO routine prints the remaining message with full sense data. The error recovery procedure continues recovery action based on the error condition.

In the message text:

*dev*

Device number of the mass storage control.

*err* Description of the error. The values are as follows:

- CEM -- CE message. The Mass Storage Facility has detected an error important to the service representative.
- SUU -- Subsystem unit unusable. The Mass Storage Facility has marked one of its units as unusable because of an error condition. The SSID of that unit is in the second half of sense byte 1 and all of byte 2 in the accompanying message. The system continues processing; notify your service representative.

*hh.mm.ss*

Time that the message was received in hours, minutes, and seconds.

**System Action:** The error recovery procedure will continue the recovery action based on the error condition.

**Operator Response:** Probable hardware error. Each

message should be considered as a potential attention of a marginal condition. Depending on the installation requirements, take appropriate action.

**Source:** DFSMSdfp

**Detecting Module:** ERPs

---

#### IEA000I I/O ERR,*aaa,bb,cccc,dd00, ffgghhhh*

**Explanation:** This message is sent to the primary operator control station when TCAM error recovery procedures fail to correct an I/O error. This message is in addition to the record of permanent errors that is created on disk when such an error occurs. TCAM inserts no line control, not even EOT, into this type of message. If line control is required, you must see to it that MSGEDIT or MSGFORM inserts the line control.

Some devices display a new line character (X'15') and 15 pad characters (X'32') preceding the message.

In the message text, the fields, in hexadecimal format, are:

*aaa*

Address of the line where the error occurred.

*bb* The command code as specified in the failing channel program.

*cccc*

The status bytes of the channel status word (CCW) as specified in the input/output block (IOB).

*dd* The first sense byte as specified in the IOB.

*ff* The TP op code as specified in the failing CCW in the channel program for the last retry attempt.

*gg* The TP op code of the failing CCW for the first occurrence of the error.

*hhhh*

For stations on switched lines, if the station is known, hhhh is replaced by the last four dial digits, if assigned. For stations on nonswitched lines, hhhh is replaced by polling characters for receiving operations and addressing characters for sending operations. If the station is on a switched line and TCAM cannot identify it at the time the error occurs, hhhh is replaced by the polling characters for stations on this line. If no polling characters are assigned, hhhh is replaced by zeros.

**System Action:** See the explanation.

**Operator Response:** In some applications, the generation of the IEA000I message may be faster than the handling capacity of the primary operator control station. When the primary operator control station is the system console, a backlog may create a system queue area shortage. If allowed to continue without operator intervention, a serious shortage could result and could cause a system wait state to be entered. To reduce generation of these error messages, TCAM's threshold support should be used.

**Source:** DFSMSdfp

**Detecting Module:** ERPs

---

#### IEA002I APAR *aaaaaaa* IS NOT INSTALLED ON *sys1*, SYSTEM *sys2* IS BEING PARTITIONED.

**Explanation:** During initialization of system *sys2*, a system in the sysplex has detected that there is missing compatibility or toleration maintenance on system *sys1*. System *sys2* is being partitioned to prevent data corruption. Note that system *sys1* may or may not be the same system as *sys2*.

**System Action:** System *sys2* is partitioned from the sysplex and will enter wait state X'082'.

**Operator Response:** Notify your system programmer.

**Application Programmer Response:** Install the APAR indicated by the message on system *sys1*. The APAR may require an IPL to install. If system *sys2* is different than *sys1*, then *sys2* can be IPLed after the APAR is successfully installed on *sys1*.

: **Source:** Communications Task

: **Detecting Module:** IEAVN703, IEAVG603

---

#### IEA005I DATE (AND CLOCK, IF SPECIFIED) REJECTED. DATE MUST BE SPECIFIED AS A 4-DIGIT YEAR

**Explanation:** A 2 digit year was specified.

---

#### IEA007I STATIC SYSTEM SYMBOL VALUES:

```
&SYSCclone. = "sysclone-text"
&SYSNAME. = "sysname-text"
&SYSplex. = "sysplex-text"
&symbol.-name = "symbol-text"
:
```

*symbol.-name* = "symbol-text"

**Explanation:** This message displays the static system symbols and their associated substitution texts. The system issues this message:

- In response to the DISPLAY SYMBOLS command
- During system initialization, when the operator specifies an initialization message suppression indicator (IMSI) that does not suppress informational messages.

In the message text:

**&sysclone.-text**

The text associated with the &SYSCclone. static system symbol. The substitution text for &SYSCclone. is defined in the IEASYMxx parmlib member.



## IEA008I • IEA010I

### **&sysname.-text**

The text associated with the &SYSNAME. static system symbol. The substitution text for &SYSNAME. is defined in the IEASYMxx or IEASYSxx parmlib member.

### **&sysplex.-text**

The text associated with the &SYSPLEX. static system symbol. The substitution for &SYSPLEX. is defined in the COUPLExx or LOADxx parmlib member.

### **symbol.-name**

The name of a static system symbol that your installation defined in the IEASYMxx parmlib member.

### **symbol.-text**

The substitution text associated with the installation-defined system symbolname.

**System Action:** The system continues processing. The system uses the substitution texts that are displayed in the message text.

**System Programmer Response:** Determine if the list of system symbols and substitution texts are appropriate. If a system symbol is not correct, change the definition in one of the following parmlib members:

COUPLExx  
IEASYMxx  
IEASYSxx  
LOADxx

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVESYM

---

## IEA008I      SYSTEM PARMS FOLLOW FOR xx...x

**Explanation:** This message displays the IEASYSxx parmlib members that contain system parameters for this system image. The IEASYSxx members are specified in the LOADxx and IEASYMxx parmlib members.

In the message text:

xx...x

Contains the full product name, version, release, modification level and FMID. For example, in OS/390 Release 2, xx...x is 01.02.00 JBB6602.

This field can be changed by the installation using the SPZAP service to change the value in the CTVTERID field of the communication vector table (CVT).

**System Action:** The system continues processing. The system uses the system parameters specified in the IEASYSxx members that are displayed in the message text.

**System Programmer Response:** Determine if the system parameters are appropriate for the system. If the list is not correct, see the section on determining where

to specify system parameters in *z/OS MVS Initialization and Tuning Reference* for information about how to respecify IEASYSxx members.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPC4

---

## IEA009I      SYMBOLIC DEFINITIONS WILL BE READ FROM:

IEASYMxx

:

IEASYMzz

**Explanation:** This message displays the IEASYMxx parmlib members that define system symbols for this system. The IEASYMxx members are specified in the LOADxx parmlib member. The system displays this message during system initialization if both of the following occur:

- The operator specifies an initialization message suppression indicator (IMSI) that does not suppress informational messages.
- The system programmer specifies the ,L parameter on the IEASYM statement in the LOADxx parmlib member.

In the message text:

xx The suffix of the first IEASYMxx parmlib member in the system parameter concatenation.

zz The suffix of the last IEASYMxx parmlib member in the system parameter concatenation.

**System Action:** The system continues processing. The system uses the system symbol definitions in the IEASYMxx members that appear in the message text.

**System Programmer Response:** Determine if the list of IEASYMxx members is correct. If the list is not correct, change the IEASYM statement in LOADxx to specify the correct IEASYMxx members. Then relPL the system.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPIL

---

## IEA010I      SYMBOLIC DEFINITION ALTERED:

SYMBOL	=	&symbol.-name
ORIGINAL VALUE	=	old-text
NEW VALUE	=	new-text

**Explanation:** This message displays a value in the static system symbol table that was changed during initialization. The system issues this message when the substitution text for the &SYSPLEX.system symbol is specified in COUPLExx but not in LOADxx.

In the message text:

**&symbol.-name**

The name of the static system symbol whose substitution text was changed during system initialization.

**old-text**

The substitution text for the *symbol-name* static system symbol before the change.

**new-text**

The substitution text for the *symbol-name* static system symbol after the change.

**System Action:** The system continues processing. The system uses the new substitution text for the system symbols displayed in the message text.

**System Programmer Response:** Determine if the new substitution text displayed in the message text is appropriate for the associated system symbol. If not, see *z/OS MVS Initialization and Tuning Reference* for information about how to change system symbol definitions in parmlib. After you change the definitions for the system symbol, reIPL the system.

If &symbol.-name shown in the message text is &SYSPLEX:

- Specify the desired substitution text for &SYSPLEX on the SYSPLEX parameter in the LOADxx parmlib member.
- Specify SYSPLEX(&SYSPLEX.) on the SYSPLEX parameter in the COUPLExx parmlib member, which ensures that &SYSPLEX. resolves to the substitution text defined on the SYSPLEX parameter in LOADxx.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVESYM

---

**IEA011A      RESPECIFY ENTIRE IEASYMXX  
SUFFIX LIST OR U TO BYPASS**

**Explanation:** If this message is preceded by message IEA013E, one of the following occurred:

- The system found an error in a parameter or parameter value in one or more IEASYMxx parmlib members that were used during IPL.
- The system could not find an IEASYMxx member specified in LOADxx parmlib member.

Otherwise, the system found a syntax error in the IEASYMxx parmlib member.

The system issues this message only for statements in IEASYMxx that apply to the processor or LPAR on which this system is being initialized.

**System Action:** The system issues this message on the nucleus initialization program (NIP) console and waits for the operator to respond. The system discards any processing of IEASYMxx members that occurred before the error. The system might issue messages that

describe the error prior to issuing this message, as described in the message explanation.

**System Programmer Response:** Do one of the following:

- If you want to respecify the IEASYMxx members, enter *all* the suffixes of the IEASYMxx members in response to this message. (For example, if you specified three IEASYMxx suffixes and only one was not valid, you must respecify the two valid suffixes, and replace or remove the suffix that was not valid.)
- Reply **U** to bypass IEASYMxx processing and continue with system initialization.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPIL

---

**IEA012E      CIRCULAR SYMBOLIC DEFINITION  
DETECTED**

*text*

**Explanation:** Where *text* is:

UNRESOLVED STATIC SYMBOL DEFINITIONS FOLLOW:  
IEASYMyy:&symbol-name = *symbol-text*

:

IEASYMzz:&symbol-name = *symbol-text*

The system found one or more static system symbol definitions that are *circular*. That is, one or more system symbol definitions contain other system symbols that refer *back* to each other.

The following is an example of a circular system symbol definition:

```
SYMDEF(&LNK.='&APF.(-2:2)')
SYMDEF(&APF.='&LNK.(-2:2)')
```

In the example above, the definition of &APF. depends on the resolution of &LNK. . However, because the definition of &LNK. also depends on the resolution of &APF. , the two system symbols can never be resolved.

In the message text:

xx The suffix of the first IEASYMxx parmlib member in which a circular definition appears.

yy The suffix of the last IEASYMxx parmlib member in which a circular definition appears.

**&symbol-name**

The name of the installation-defined system symbol that specifies a circular definition.

**symbol-text**

The unresolved substitution text.

**System Action:** The system enters non-restartable

## IEA013E

wait state X'07D' with return code X'0000'.

**System Programmer Response:** Correct the circular reference in the IEASYMxx parmlib member, then reIPL the system.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPCF

---

### IEA013E ERROR DETECTED PROCESSING IEASYMxx: *text*

**Explanation:** *text* is one of the following:

- 001 MEMBER NOT FOUND
- 002 RESERVED SYMBOLIC DEFINED :  
*system-symbol-name*
- 003 SYMBOL LENGTH ERROR :  
*system-symbol-name*
- 004 SYMBOL NAME ERROR: *system-symbol-name*
- 005 MAXIMUM DEFINITIONS EXCEEDED AT  
SYMBOL: *system-symbol-name*
- 006 DATA LENGTH ERROR FOR SYMBOL:  
*system-symbol-name*
- 007 UNDEFINED PARAMETER DETECTED:  
*parameter-name*
- 008 DATA FOR *parameter-name* IN ERROR:  
*parameter-value*

The system found an error in an IEASYMxx parmlib member.

In the message text:

xx The suffix of the IEASYMxx parmlib member in which the error occurred.

*system-symbol-name*

The name of a system symbol, defined in IEASYMxx, that contained an error.

*parameter-name*

The name of a parameter in IEASYMxx that contained an error.

*parameter-value*

The value of a parameter in IEASYMxx that contained an error.

The reason code in the message text identifies the error:

#### Code Meaning and Action

- |            |                                                                                                                                                                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>001</b> | <b>Meaning:</b> The system could not find the IEASYMxx parmlib member specified in the LOADxx parmlib member.<br><br><b>System Programmer Response:</b> Change the value on the IEASYM parameter in LOADxx so it specifies one or more valid IEASYMxx parmlib members. Then respond to message IEA011A. |
| <b>002</b> | <b>Meaning:</b> A SYMDEF parameter in the IEASYMxx parmlib member specified a symbol                                                                                                                                                                                                                    |

that is reserved for system use (for example, &SYSNAME., which specifies the system name).

**System Programmer Response:** See the section on defining system symbols in *z/OS MVS Initialization and Tuning Reference* for a list of symbols that are reserved for system use. Change the symbol name specified on the SYMDEF parameter to a name that is not reserved for system use. Then respond to message IEA011A.

- |            |                                                                                                                                                                                                                                              |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>003</b> | <b>Meaning:</b> A SYMDEF parameter in an IEASYMxx parmlib member specified a symbol name that is too long. Symbol names must consist of 1-8 characters, excluding the required ampersand (&) at the beginning and the period (.) at the end. |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**System Programmer Response:** Change symbol name specified on the SYMDEF parameter to a name is 1-8 characters long (excluding the ampersand and the period). Then respond to message IEA011A.

- |            |                                                                                                                                                        |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>004</b> | <b>Meaning:</b> A SYMDEF parameter in a IEASYMxx parmlib member did not begin with an ampersand (&) followed by an alphanumeric or national character. |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|

**System Programmer Response:** Change symbol name specified on the SYMDEF parameter to a name that begins with an ampersand followed by an alphanumeric or national character. Then respond to message IEA011A.

- |            |                                                                                                               |
|------------|---------------------------------------------------------------------------------------------------------------|
| <b>005</b> | <b>Meaning:</b> The number of installation-defined system symbols exceeds the maximum of 100 for this system. |
|------------|---------------------------------------------------------------------------------------------------------------|

**System Programmer Response:** Reduce the number of installation-defined system symbols in the IEASYMxx parmlib member so there are no more than 100 for the system. Then respond to message IEA011A.

- |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>006</b> | <b>Meaning:</b> <ul style="list-style-type: none"><li>• A SYMDEF parameter in an IEASYMxx parmlib member specified a substitution text that is too long. The substitution text is longer than the length of the associated system symbol name, which includes the ampersand (&amp;) character. For example, the length of the value assigned to the symbol &amp;FRED. cannot exceed five characters.</li><li>• A SYSCONE parameter in an IEASYMxx parmlib member specified a substitution text that was not 1 or 2 characters long.</li></ul> |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**System Programmer Response:** Change the system symbol definition in IEASYMxx to specify a substitution text that does not exceed the length of the system symbol name or

correct the SYSCONE parameter specification in IEASYMxx. Then respond to message IEA011A or re-IPL.

- 007 Meaning:** A parameter is specified in a IEASYMxx parmlib member. The undefined parameter is displayed in the message text.

**System Programmer Response:** Correct the name of the parameter in IEASYMxx. Then respond to message IEA011A.

- 008 Meaning:** An undefined parameter in a IEASYMxx parmlib member specified a value. The parameter and its value are displayed in the message text.

**System Programmer Response:** Correct the parameter and the value in IEASYMxx. Then respond to message IEA011A.

**System Action:** The system will do one of the following:

- Issue message IEA011A, which asks the operator to respecify the suffix for IEASYMxx. The system issues message IEA011A only for statements in IEASYMxx that apply to the processor or LPAR on which this system is being initialized.
- Continue with the IPL. This action is taken when the error occurs in a statement that does not apply to this system.
- Enter a non-restartable wait state X'07D' with reason code X'0004'. The system enters the wait state when the error occurs in a statement that applies to this system and it was discovered at a point too late to accept a new IEASYMxx.

**Operator Response:** Contact the system programmer.

**System Programmer Response:** See the system programmer response in the list of reason codes in the message explanation.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPIL, IEAVNPCF

---

#### IEA014W NONRECOVERABLE ERROR IN IEASYMxx PROCESSING

**Explanation:** The system found an error in an IEASYMxx parmlib member from which it cannot recover.

In the message text:

xx The suffix of the IEASYMxx parmlib member in which the error occurred.

**System Action:** The system might also issue message IEA012E or IEA013E. The system enters non-restartable wait state X'07D' with reason code X'0004'.

**Operator Response:** Contact the system programmer.

**System Programmer Response:** If the system issues

message IEA012E or IEA013E, see the system programmer responses for those messages. Otherwise, see the system programmer response for wait state X'07D' with reason code X'0004'.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPCF

---

#### IEA015A text

**Explanation:** In the message, *text* is:

THIS SYSTEM HAS LOST ALL  
CONNECTION TO THE SYSPLEX TIMER.

IF THIS EVENT OCCURRED ON SOME, BUT NOT ALL SYSPLEX MEMBERS, THE LIKELY CAUSE IS A LINK FAILURE. TO FIX, ENSURE THAT EACH AFFECTED SYSTEM HAS AT LEAST ONE CORRECTLY CONNECTED AND FUNCTIONAL LINK.

IF THIS EVENT OCCURRED ON ALL SYSPLEX MEMBERS, THEN THE LIKELY CAUSE IS A SYSPLEX TIMER FAILURE.  
TO FIX, REFER TO THE MESSAGE IEA015A DESCRIPTION IN MVS SYSTEM MESSAGES.

AFTER FIXING THE PROBLEM, REPLY "RETRY" FROM THE SERVICE CONSOLE (HMC). IF THE PROBLEM WAS NOT CORRECTED, THIS MESSAGE WILL BE REISSUED AND YOU MAY TRY AGAIN. REPLY "ABORT" TO EXIT MESSAGE LOOP.  
PROBABLE RESULT: 0A2-114 WAITSTATE

The system has lost all connections to its sysplex timer(s).

**System Action:** The system waits for a reply to message IEA015A.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Determine why the loss of Sysplex Timer connectivity occurred, repair the problem, and then reply to the message on each system where it occurs.

There are two basic scenarios for which this message may be issued. You should first determine if a subset of the ETR synchronized MVS images have issued IEA015A or whether ALL have issued it. If only a few MVS images issued IEA015A, then it is likely that ETR links have failed to those machines. Repair the failed links and then reply with "RETRY" on each issuing system. If the problem was corrected, processing will resume. If the problem was not resolved, the message will be reissued until the problem is fixed or until you reply "ABORT". A reply of "ABORT" will result in a 0A2-114 waitstate if the MVS image is a member of a multisystem Sysplex. If it is not, processing will resume in local TOD clock mode.

If ALL ETR synchronized MVS images issue IEA015A,

## IEA016W • IEA020W

then there has been a failure of one or both Sysplex Timers. If one Sysplex Timer fails, the other may go into dormant state when it can not communicate with the failed 9037. In this case, it may be possible to recover the dormant 9037 and then reply "RETRY" as previously described. See the redbook SG24-2070-00, *S/390 Time Management and IBM 9037 Sysplex Timer* for more information on how to recognize this condition and how to recover from it. See sections 10.12 and 10.13 in Chapter 10 for detailed information.

**Source:** Timer Supervision

**Detecting Module:** IEATSWLH

---

### IEA016W REQUIRED LEVEL OF DFSMS IS NOT INSTALLED

**Explanation:** The current release of OS/390 requires a particular release of DFSMS in order to IPL. OS/390 R10 requires DFSMS R10.

**System Action:** The system issues wait state code X'009' reason 0.

**System Programmer Response:** Install the proper release of DFSMS, and then re-IPL.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPC4

---

### IEA017E YOU HAVE INITIALIZED *product\_name* WITH ARCHLVL 1. THIS PRODUCT IS INTENDED TO BE RUN WITH ARCHLVL 2

**Explanation:** You have specified ARCHLVL 1 on the LOADxx parmlib member. This violates the Terms and Conditions for running product *product\_name* on this processor.

In the message text:

<i>product_name</i>	The name of the operating system from field ECVTPNAM in the ECVT control block.
---------------------	---------------------------------------------------------------------------------

**System Action:** The system initializes in ESA/390 mode and issues operator action message IEA018A.

**Operator Response:** Respond to message IEA018A, which is issued following this message.

---

### IEA018A REPLY TO ACKNOWLEDGE MESSAGE IEA017E

**Explanation:** This message is issued to enable an operator response acknowledging message IEA017E.

**System Action:** The system waits for the operator response. After the operator responds, the system initializes in ESA/390 mode. Once IBM License Manager is in production mode, IBM License Manager

identifies this as an exception and logs the exception.

**Operator Response:** Enter any character to acknowledge that message IEA017E has been issued and understood.

---

### IEA020W AN FRR STACK POINTER FOR CPU *x* IS DAMAGED, THE ERROR MASK IS *abcdefghijklmnopqrst*.

**Explanation:** MVS found uncorrectable damage to at least one functional recovery routine (FRR) stack pointer.

The CPU which had the damaged stack pointer or pointers is identified by the value for *x*.

The error mask tells you which FRR stack pointers were incorrect.

- If *a* is 1, PSACSTK is incorrect.
- If *b* is 1, PSANSTK is incorrect.
- If *c* is 1, PSASSTK is incorrect.
- If *d* is 1, PSAMSTK is incorrect.
- If *e* is 1, PSAPSTK is incorrect.
- If *f* is 1, PSAESTK1 is incorrect.
- If *g* is 1, PSAESTK2 is incorrect.
- If *h* is 1, PSAESTK3 is incorrect.
- If *i* is 1, PSARSTK is incorrect.
- If *j* is 1, PSATSTK is incorrect.
- If *k* is 1, PSAASTK is incorrect.
- If *l* is 1, PSASSAV is incorrect.
- If *m* is 1, PSAMSAV is incorrect.
- If *n* is 1, PSAPSAV is incorrect.
- If *o* is 1, PSAESAV1 is incorrect.
- If *p* is 1, PSAESAV2 is incorrect.
- If *q* is 1, PSAESAV3 is incorrect.
- If *r* is 1, PSARSAV is incorrect.
- If *s* is 1, PSATSAV is incorrect.
- If *t* is 1, PSAASAV is incorrect.

**System Action:** The system:

1. Issues this message.
2. Places all processors on this system in non-restartable X'084' wait state, with reason code X'04'.

**Operator Response:** See the operator response for wait state X'084' in *z/OS MVS System Codes*.

**System Programmer Response:** See the system programmer response for wait state X'084' in *z/OS MVS System Codes*.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTRTV



---

**IEA024I      ERROR IN GTF. *opt* TRACE OPTION  
WAS DISABLED**

**Explanation:** During formatting of the trace table of the generalized trace facility (GTF), the dump formatter found an error record for a trace option. This error record was produced when GTF encountered a program check while attempting to create a trace record.

This message is followed by a hexadecimal dump of the error record. Refer to messages AHL118I and AHL120I.

In the message text:

*opt*      The trace option, which is one of the following:

DSP  
EXT  
IO  
PI  
SIO  
SVC

**System Action:** The program check for the error record caused GTF to bypass recording further events for the trace option. However, GTF continued to record all events for the other trace options requested.

After issuing this message, the system writes a hexadecimal dump of the error record. Refer to messages AHL118I and AHL120I.

**Note:** If *opt* is SVC, SVC tracing will continue.

**System Programmer Response:** Ensure that problem programs are not altering the GTF region.

Ensure that sufficient storage is available within the GTF region for a SNAP dump (an additional 4 kilobytes is needed for ABDUMP/SNAP processing). Ensure that the GTFSNP cataloged procedure is used to obtain an ABDUMP/SNAP dump.

Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Generalized trace facility (GTF)

---

**IEA025I      INVALID GTF RECORD FOLLOWS**

**Explanation:** During formatting of the trace table of the generalized trace facility (GTF), the dump formatter found a GTF record with an incorrect EID or FID field. ABDUMP prints this message and follows it with a hexadecimal dump of the error record.

**System Action:** Processing continues.

**System Programmer Response:** Ensure that problem programs are not altering the trace table.

**Source:** Generalized trace facility (GTF)

**Detecting Module:** IGC0F05A

---

**IEA030I      OPEN FAILED FOR DUMP DATA SET  
FOR {JS|ST} DUE TO {Scde|Ucde}**

**Explanation:** While abending a task, the system tried to open a SYSABEND, SYSMDUMP, or SYSUDUMP dump data set, but failed.

In the message text:

**JS** A dump data set for the job step task could not be opened.

**ST** A dump data set for a subtask could not be opened.

**Scde**

The system was in the process of abnormally ending a task with system completion code *cde*.

**Ucde**

The system was in the process of abnormally ending a task with user completion code *cde*.

**System Action:** The system does not write a dump, but abends the task. The system sends messages about the problem to the job log.

**System Programmer Response:** Do the following:

1. Continue diagnosis with the original completion code.
2. Use the messages in the job log to determine why the system could not open the dump data set.
3. If the problem appears to be in the system, search problem reporting data bases for a fix for the problem. If no fix exists, report the problem to the IBM Support Center. Provide the messages from the job log and all problem data for the original abend.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTABD

---

**IEA039I      SLIP TRAP ID=xxxx REMOTE ACTION  
WAS NOT PERFORMED.**

**Explanation:** A SLIP trap requested ACTION=SVCD or ACTION=SYNCSVCD and also requested one or more remote actions. The system cannot activate the action on the remote system because another SLIP trap with ACTION=WAIT or a remote action is active in the system.

In the message text:

**ID=xxxx**

The SLIP trap identifier specified on the SLIP command.

**System Action:** The system performs the local SVCD or SYNCSVCD action, but not the remote action specified on the command. The system continues processing.

**System Programmer Response:** Avoid setting multiple traps that are likely to contend for the resource needed for remote action processing.

## IEA040W • IEA043I

Source: SLIP

Detecting Module: IEAVTSL2

---

**IEA040W      REMOTE SLIP TRAP ID=xxxx FROM  
SYSTEM ssssssss MATCHED.  
ACTION=WAIT RESTART THE SYSTEM  
TO CONTINUE**

**Explanation:** A remote system found a match for a SLIP trap. The SLIP trap requested that this system be placed into a wait state so that the operator could capture diagnostic data.

In the message text:

**ID=xxxx**

The SLIP trap identifier specified on the SLIP command.

**ssssssss**

The system on which the trap matched.

**System Action:** This system is placed into a restartable wait state.

**Operator Response:** Perform the actions requested by the system programmer for this trap.

Either:

- Restart the system.
- Obtain a stand-alone dump and reIPL the system.

**System Programmer Response:** To capture diagnostic data, ask the operator to obtain a stand-alone dump. The system cannot be restarted if a stand-alone dump is written; ask the operator to reIPL the system.

Source: SLIP

Detecting Module: IEAVTSL5

---

**IEA041I      SDUMP SCHEDULED FOR REMOTE  
SLIP TRAP ID=xxxx FROM SYSTEM  
ssssssss**

**Explanation:** A remote system found a match for a SLIP trap. The SLIP trap requested that this system write an SVC dump. This system scheduled the SVC dump.

In the message text:

**ID=xxxx**

The SLIP trap identifier specified on the SLIP command.

**ssssssss**

The system on which the SLIP trap matched.

**System Action:** This system schedules an SVC dump and continues processing.

Source: SLIP

Detecting Module: IEAVTSL5

---

**IEA042I      SDUMP NOT SCHEDULED FOR  
REMOTE SLIP TRAP ID=xxxx FROM  
SYSTEM ssssssss. REASON - text**

**Explanation:** *text* is one of the following:  
ANOTHER DUMP WAS IN PROGRESS  
DUMP=NO WAS SET AT IPL OR INDICATED BY CHNGDUMP  
NO SYS1.DUMP DATA SET WAS AVAILABLE  
NO SRBS COULD BE SCHEDULED TO START THE DUMP  
SVC DUMP ABNORMALLY TERMINATED  
A STATUS STOP SRBS CONDITION WAS DETECTED

A remote system found a match for a SLIP trap. The SLIP trap requested that this system write an SVC dump. However, this system could not write the dump for the reason indicated in the message.

In the message text:

**ID=xxxx**

The SLIP trap identifier specified on the SLIP command.

**ssssssss**

The system on which the SLIP trap matched.

**text**

The reason why the system could not write the SVC dump.

**System Action:** The system processes the SLIP command, but the system does not write the requested SVC dump.

**System Programmer Response:** Determine why the remote system could not write an SVC dump. If the problem cannot be corrected, search problem reporting data bases for a fix for the problem. If no fix exists, notify the IBM Support Center.

Source: SLIP

Detecting Module: IEAVTSL5

---

**IEA043I      SVC DUMP REACHED MAXSPACE  
LIMIT - MAXSPACE=xxxxxxxxx MEG**

**Explanation:** The limit that an installation placed on the amount of storage available for SVC dump to hold captured dumps is reached.

In the message text:

**xxxxxxxxx**

The amount of storage, in megabytes, specified on the MAXSPACE parameter of the CHNGDUMP operator command at the time the limit was reached.

**System Action:** SVC dump ends the capture of the current dump. This dump will be written out to a dump data set, but it will be a partial dump. SVC dump will not

allow other dumps to be captured until the amount of available space is greater than the threshold value. The threshold value is the lower of two values: 35 megabytes or ten percent of the MAXSPACE value. To view the amount of available space, use the DISPLAY DUMP command.

**Operator Response:** Do one of the following:

- If any dump is captured, but there are no available dump data sets, use the DUMPDS command or another utility to make dump data sets available.
- If any dump is captured but not required by the installation, reply D to message IEA793A to delete the dumps.
- Use the MAXSPACE parameter on the CHNGDUMP command to increase the value of MAXSPACE, allowing SVC dump processing to use more virtual storage to hold captured dumps.

**Source:** SVC dump

---

**IEA050I      DUPLEX IS AN OBSOLETE KEYWORD.  
DUPLEXING NO LONGER  
SUPPORTED.**

**Explanation:** Duplexing of PLPA and Common is no longer supported.

**System Action:** The system continues processing. However, the DUPLEX keyword is ignored, and no duplexing occurs.

**Operator Response:** None.

**Source:** Auxiliary Storage Manager

**Detecting Module:** ILRASRIM

---

**IEA051I      THE PAGTOTL SWAP PARAMETER IS  
OBSOLETE AND IS IGNORED.**

**Explanation:** Swap data sets are no longer supported. The swap parameter specified for the PAGTOTL keyword is ignored.

**System Action:** The system continues processing. However, the swap parameter is ignored.

**Operator Response:** None.

**Source:** Auxiliary Storage Manager

**Detecting Module:** ILRASRIM

---

**IEA052I      THE SWAP KEYWORD IS OBSOLETE  
AND IS IGNORED.**

**Explanation:** Swap data sets are no longer supported. The SWAP keyword specified in the IEASYSxx parmlib member or on the IPL parameters is ignored.

**System Action:** The system continues processing. However, the SWAP keyword is ignored, and the system will continue without dedicated swap data sets.

**Operator Response:** None.

**Source:** Auxiliary Storage Manager

**Detecting Module:** ILRASRIM

---

**IEA080D      IOS KEYWORD PARAMETER INVALID.  
REPLY IOS=XX OR IOS=DEFAULT**

**Explanation:** In response to message IEA101A or IEA080I, the operator entered an incorrect IECIOSxx parmlib member on the IOS=xx parameter.

**System Action:** The system waits for the operator to respond. The system issues this message on the nucleus initialization program (NIP) console.

**Operator Response:** Reply with one of the following responses:

REPLY 0,IOS=xx, where xx is a valid member

REPLY 0,IOS=DEFAULT

REPLY 0,IOS=DEF

In the case of the last two responses, the system uses the IBM defaults for MIH and HOTIO.

**Source:** Input/output supervisor (IOS)

---

**IEA081I      ERROR - IECIOSxx RECORD nnnn I/O  
ERROR**

**Explanation:** During system initialization, the system could not read a record from the IECIOSxx parmlib member.

This message appears on the nucleus initialization program (NIP) console. In the message text:

**IECIOSxx**

The parmlib member, with the suffix xx.

**nnnn**      The record name.

**System Action:** System initialization continues. The system processes all previous records to establish the missing interrupt handler (MIH) and HOTIO environment. The system rejects the unreadable record and all records that follow it.

**Source:** Input/output supervisor (IOS)

---

**IEA084W      ENTRY POINT *entrypt* NOT FOUND IN  
THE NUCLEUS**

**Explanation:** During system initialization, the system could not find an entry point in the nucleus for one of the following:

- A device descriptor table (DDT)
- An error recovery program (ERP)
- The unit control blocks (UCB)
- The device class queue (DCQ)
- The device characteristic table (DCT)

The system loaded one of the following:

- An incomplete nucleus

## IEA086I • IEA088W

- An incomplete I/O configuration
- Both an incomplete nucleus and an incomplete I/O configuration

In the message text:

*entrypt* The entry point address.

**System Action:** The system enters nonrestartable disabled wait state X'035'.

**Operator Response:** See the operator response for wait state X'035'.

**System Programmer Response:** See the system programmer response for wait state X'035'.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IEAIPL03

---

### IEA086I *memname* NOT FOUND IN SYS1.NUCLEUS

**Explanation:** The initial program load (IPL) program was unable to locate in SYS1.NUCLEUS a member specified on an INCLUDE statement of NUCLSTxx. The NUCLST statement of LOADxx did not specify that a wait state is to be loaded if any of the INCLUDE statements in the NUCLSTxx member specify a member that cannot be found in SYS1.NUCLEUS.

In the message text:

*memname*  
The missing member.

**System Action:** The IPL proceeds.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Either provide the missing member or update NUCLSTxx.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAIPL41

---

### IEA086W *memname* NOT FOUND IN SYS1.NUCLEUS

**Explanation:** The initial program load (IPL) program was unable to locate a necessary member in the SYS1.NUCLEUS data set.

In the message text:

*memname*  
The missing member, as follows:

**IEANUC0x**

*x* may not be the correct identifier for the nucleus you need.

If *memname* is another name, the member is either a module list table (MLT), a nucleus module list (NML), a

nucleus device support module, or a member that was specified on an INCLUDE statement in the NUCLSTxx member.

**System Action:** The system enters non-restartable disabled wait state X'055'.

Because a console is not available for messages at IPL time, the system stores this message in the IPL WTO buffer.

**Operator Response:** See the operator response for wait state X'055'.

**System Programmer Response:** See the system programmer response for wait state X'055'.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAIPL02

---

### IEA087W **ENTRY POINT** *entrypt* **APPEARS IN** *mod1* **AND** *mod2*

**Explanation:** The system detected a duplicate entry point name appearing in more than one module. The entry points appear in modules being loaded into the DAT-on nucleus. (DAT is the acronym for dynamic address translation.)

In the message text:

*entrypt* The duplicate entry point name

*mod1* The first module where the duplicate entry point name appears.

*mod2* The second module where the duplicate entry point name appears.

This message accompanies wait state code X'025'.

**System Action:** The system enters non-restartable wait state X'025'. Because a console is not available for messages at IPL time, the system stores this message in the IPL WTO buffer.

**Operator Response:** See the operator response for wait state code X'025'.

**System Programmer Response:** See the system programmer response for wait state X'025'.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAIPL41

---

### IEA088W **NUCLEUS REQUIRES MORE STORAGE** **BELOW 16MB THAN IS AVAILABLE**

**Explanation:** Initial program load (IPL) cannot continue because the system does not have enough virtual storage. The DAT-on nucleus requires more storage than is available below 16 megabytes. (DAT is the acronym for dynamic address translation.)

**System Action:** The system enters non-restartable wait state X'071'.

This message appears in the IPL WTO buffer.

**System Programmer Response:** See the system programmer response for wait state X'071'.

**Source:** Initial program load (IPL)

**Detecting Module:** IEAIPL41

**IEA089W      *memname* HAS MORE THAN 1 CSECT  
BUT WAS NOT LINK EDITED WITH  
SCTR OPTION**

**Explanation:** The system detected an error with a member of the SYS1.NUCLEUS being loaded into the dynamic address translation (DAT)-on nucleus region during system initialization. The member contained more than one control section (CSECT) and was not link-edited with the scatter (SCTR) option.

In the message text:

*memname*

The member of SYS1.NUCLEUS in error.

**System Action:** The system enters non-restartable disabled wait state X'054' with reason code X'01'. Because a console is not available for messages at IPL time, the system stores this message in the IPL WTO buffer.

**Operator Response:** See the operator response for wait state X'054'.

**System Programmer Response:** See the system programmer response for wait state X'054'.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAIPL02

**IEA090W      LOAD REAL ADDRESS FAILED  
DURING *irimname* PROCESSING**

**Explanation:** An initial program load (IPL) resource initialization module (IRIM) issued a Load Real Address (LRA) instruction that failed to return a valid real address.

In the message text:

*irimname*

The IRIM that issued the failed instruction.

**System Action:** The system enters non-restartable wait state X'074' with reason code X'06'. Because a console is not available for messages at IPL time, the system stores this message in the IPL WTO buffer.

**Operator Response:** See the operator response for wait state X'074'.

**System Programmer Response:** See the operator response for wait state X'074'.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAIPL02

**IEA091I      NUCLEUS *x* SELECTED**

**Explanation:** The system selected module IEANUC0X as the base nucleus module to load into the DAT-on nucleus region. (DAT is the acronym for dynamic address translation.) The system issues this message so that the operator can verify the nucleus selected.

In the message text:

*x*            The identifier for the nucleus module,  
IEANUC0x

**System Action:** The initial program load (IPL) program loads IEANUC0x into the DAT-on nucleus region.

**Operator Response:** If *x* is the correct identifier, no response is necessary. If *x* is incorrect, reIPL the system, specifying the correct identifier for the nucleus.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAIPL41

**IEA092I      WARNING: UNRESOLVED EXTERNAL  
REFERENCE *symbol* IN MODULE  
*modname***

**Explanation:** The initial program load (IPL) program loaded a module into the DAT-on nucleus region. (DAT is the acronym for dynamic address translation.) However, the module contained an unresolved external reference.

In the message text:

*symbol*    The unresolved external reference

*modname*

The nucleus module

**System Action:** The IPL proceeds, but the success of the IPL or subsequent processing is unpredictable.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** If the module is IEANUC0x, link edit it again to determine which CSECT contains the unresolved external reference.

If IBM supplied the module, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAIPL02

**IEA093I      MODULE *modname* CONTAINS  
UNRESOLVED WEAK EXTERNAL  
REFERENCE *refname***

**Explanation:** The initial program load (IPL) program loaded a module into the DAT-on nucleus region. (DAT is the acronym for dynamic address translation.) However, the module contained an unresolved external reference.



## IEA099A • IEA101A

In the message text:

*modname*

The nucleus module

*refname*

The unresolved external reference

**System Action:** The IPL proceeds. The unresolved external references should not affect the success of the IPL or subsequent processing.

**System Programmer Response:** This might be a normal situation. Consult the program directory and the PSP bucket to ensure that the reason for this message is expected. If the message is expected, ignore it.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAIPL02

---

### IEA099A JOBNAME= *jobname* ASID= *asid* HAS REACHED THE WTO BUFFER LIMIT

**Explanation:** The number of write to operator (WTO) buffers for an address space has reached the limit specified in the MLIM field of the CONSOLxx parmlib member.

**System Action:** The system continues processing.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Do one of the following:

- If the program is in a WTO loop, correct the program.
- Increase the value of the MLIM field in the CONSOLxx parmlib member.
- Automate the message to slow down or cancel the offending address space.

**ATTENTION:** Data may be lost if you do not use caution when cancelling the address space.

- Modify the WTO macro so it uses the MCSFLAG=BUSYEXIT parameter. The system stops WTO processing and returns control to the program issuing the macro when the WTO buffer limit is reached.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVH600

---

### IEA100I ETR SERVICE INFORMATION IS PROVIDED. REASON CODE=*reason-code*

**Explanation:** The External Time Reference (ETR) provided service information. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

In the message text:

REASON CODE=*reason-code*

A reason code explaining the information follows. For more information about the reason codes, see

*Maintenance Information for the 9037 Sysplex Timer.* These codes are informational and require no action.

**005** Unit recovered.

**006** Control Link A operational.

**007** Control Link B operational.

**008** Communication established with console.

**009** Communication established with standby console.

**038** Maintenance mode set.

**039** Maintenance mode cleared.

**042** The 9037 is now tracking the external time source. This service request is provided to indicate a prior problem has been resolved.

**System Action:** Processing continues.

**Source:** Timer supervision

**Detecting Module:** IEATEEIH

IEATESMR

---

### IEA101A SPECIFY SYSTEM PARAMETERS FOR *xx...x*

**Explanation:** This message is issued during system initialization to allow the operator to change certain system parameters.

In the message text:

*xx...x* Contains the full product name, version, release, modification level and FMID. For example, in OS/390 Release 2, *xx...x* is 01.02.00 JBB6602.

This field can be changed by the installation using the SPZAP service to change the value in the CVTVERID field of the communication vector table (CVT).

**System Action:** The system prompts the operator for a reply, then changes the system parameters as specified by the operator.

**Operator Response:** Reply as specified by the system programmer, for example:

REPLY 00,CLPA,SYSP=83,LNK=(04,05,PQ),SYSNAME=AQ

If the reply is longer than one line (there are 80 characters per line), you can follow the last parameter with a comma or a blank and CONT. For details about specifying system parameters, including how to continue system parameters, see the description of the REPLY command in *z/OS MVS System Commands*.

**System Programmer Response:** Tell the operator which responses to enter.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPC4

---

**IEA102W      OPERATOR PROMPT NOT ALLOWED  
FOR A SYSPLEX TEST DATESOURCE  
LPAR**

**Explanation:** In the CLOCKxx parmlib member, OPERATOR PROMPT is specified. This is not a valid specification when IPLing a sysplex datesource LPAR.

**System Action:** The system enters a non-restartable wait state.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Modify the CLOCKxx parmlib member for the sysplex datesource LPAR to specify OPERATOR NOPROMPT.

**Source:** Timer supervision

**Detecting Module:** IEAVNP21

---

**IEA107I      *prm* IGNORED**

**Explanation:** In reply to message IEA101A, the operator specified a value for a parameter, *prm*. However, in the current IEASYSxx parmlib member, OPI=NO is specified for that parameter. The system therefore rejects the value specified by the operator.

**System Action:** The nucleus initialization program (NIP) continues processing.

**Operator Response:** If requested by the system programmer, obtain a stand-alone dump

**System Programmer Response:** Make sure that the parameter was not restricted from operator changes in the IEASYSxx parmlib member (OPI=NO option).

If IEASYSxx is correct and if the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide a stand-alone dump.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNP03

---

**IEA116A      CONTINUE SYSTEM PARAMETERS**

**Explanation:** During nucleus initialization, the reply to message IEA101A specified CONT as its final entry. CONT indicates that the reply was incomplete and that additional parameters are to be specified.

**System Action:** The system prompts the operator for a reply.

**Operator Response:** Continue the reply to message IEA101A. Begin the continuation with REPLY 00.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPC4

---

**IEA120A      DEVICE *dev* VALID NOT READ, REPLY  
'CONT' OR 'WAIT'**

**Explanation:** A direct access storage device (DASD) did not respond to a request to read the volume label. Possible causes include:

- The device is shared and is reserved by a processor other than the initializing processor.
- A hardware malfunction could be causing the device to appear busy.

In the message text:

*dev*

The device number.

**System Action:** The system waits for the operator to reply.

**Operator Response:** Contact the system programmer. Take one of the following actions:

- Enter REPLY id, 'WAIT' to cause the system to wait for the device to become available. If the device is still not available after 15 seconds, the system issues message IOS124A to prompt the operator again.
- Enter REPLY id, 'CONT' to purge outstanding I/O requests and mark the device offline. Replying CONT means that the device is no longer available; NIP processing continues without it.

Because the device is no longer available, replying CONT can cause later errors if the device, such as the SYSRES device is required for NIP processing. Thus, reply 'CONT' only when the device is not available because of a hardware problem that can not be corrected and the device is not required for NIP processing.

While it is also possible to take no action, (which the system considers an implicit 'WAIT'), do so only at the direction of the system programmer. Taking no action is an appropriate response only for a device that times out and is not required for NIP processing.

**System Programmer Response:** Determine the cause of the problem. If replying WAIT does not resolve the problem, then determine if the IPL can continue without the device. If it can, tell the operator to reply 'CONT'. If the device is required for NIP processing, tell the operator to reIPL the system using the appropriate backup device.

**Source:** Input/Output Supervisor (IOS)

**Detecting Module:** IEAVNP02

---

**IEA121I      UNABLE TO OBTAIN  
CHANNEL-SUBSYSTEM INFORMATION  
DUE TO A BUSY CONDITION. IPL  
CONTINUES.**

**Explanation:** During system initialization, the system returned a busy condition.

## IEA122I • IEA126I

**System Action:** System initialization continues.

**Operator Response:** Contact hardware support.

**Source:** Input/output supervisor (IOS)

---

### IEA122I      ERROR OBTAINING CHANNEL SUBSYSTEM INFORMATION DUE TO HARDWARE FAILURE. IPL CONTINUES.

**Explanation:** During system initialization, the system tried to issue the channel-subsystem information command. A hardware failure occurred.

**System Action:** System initialization continues.

**Operator Response:** Contact hardware support.

**Source:** Input/output supervisor (IOS)

---

### IEA123I      CONSOLE DELAYED SVC PROCESSING RESUMED. RESTART SUCCESSFUL

**Explanation:** The system previously issued message IEA544I or IEA555E. The system restart was successful after the problems indicated by message IEA544I or IEA555E were resolved.

**System Action:** The system continues processing.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVM613

---

### IEA124I      SYSTEM CONSOLE *consname* QUEUEING RESUMED

**Explanation:** After the system suspended message queueing to a console, the system resumed message queueing to that console.

In the message text:

*consname*

The system console name.

**System Action:** The system continues processing.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVM605

---

### IEA125I      SYSTEM CONSOLE *consname* QUEUEING SUSPENDED, ERROR CODE = *code*

**Explanation:** The system suspended message queueing to the specified system console.

In the message text:

*consname*

The system console name.

*code*      The error code, which is one of the following:

#### Code      Explanation

**8001**      The service processor logical console is not available for output processing.

**8002**      The message queue limit for the system console was reached.

**8003**      The system found an internal queue error.

**System Action:** Depending on the error code, one of the following:

#### Code      System Action

**8001**      The system does not display messages that were queued to the system console. The system does not queue new messages to the system console.

#### **8002, 8003**

The system displays messages that were queued to the system console. The system does not queue new messages to the system console.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVM605

---

### IEA126I      THE SYSTEM CONSOLE QUEUE IS 80% FULL

**Explanation:** The buffer that holds the messages on the system console queue is 80% full.

**System Action:** The system continues processing.

**Operator Response:** If desired, do one or more of the following:

- Reply to outstanding messages.
- Cancel any jobs that are currently issuing messages.
- Enter the CONTROL M,RLIM command to increase the value of the buffer limit.
- Use the VARY CN command to remove routing codes from the system console, or take other actions to reduce the number of messages being sent to the console.
- Issue VARY CN(\*) , DEACTIVATE from the system console.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVM605

---

---

**IEA127I      SYSTEM CONSOLE NOT ACCEPTING  
[PRIORITY] OPERATOR INPUT**

**Explanation:** The system could not initialize the system console input listener exit routine.

In the message text:

**PRIORITY**

The system is not accepting operator input from the screen that accepts priority commands.

**System Action:** The system console does not process any other commands.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN701

---

**IEA128I      SYSTEM CONSOLE ONLY  
SUPPORTING SYNCH OUTPUT**

**Explanation:** The system could not define the system console as an extended MCS console.

**System Action:** The system does not display non-SYNCH messages on the system console.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN701

---

**IEA129I      MASTER CONSOLE REQUIRED.**

**Explanation:** The operator must use a console with master authority because the hardware that supports the enhanced system console function is not installed, or the system console is not available. Also, one of the following conditions exists:

- CON is not specified on the system parameter.
- CON=NONE is specified on the system parameter, or in the IEASYSxx parmlib member.

**System Action:** The system prompts the operator to specify a console with master authority on the CON parameter.

**Operator Response:** Enter the parmlib member name that specifies a valid console with master authority on the CON parameter. RelPL the system.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVNPA1

---

---

**IEA133E      THE TRACE ADDRESS SPACE HAS  
TERMINATED**

**Explanation:** The system trace address space has abnormally ended.

**System Action:** The system continues processing. No system tracing is active. The system writes a logrec data set error record and may write an SVC dump.

**Operator Response:** Enter a TRACE ST command to restart system tracing.

**System Programmer Response:** If the error recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the logrec data set error record and the SVC dump, if available.

**Source:** System trace

**Detecting Module:** IEAVETRM

---

**IEA134I      TRACE ERROR, REISSUE TRACE  
COMMAND IF STATUS NOT AS  
REQUESTED**

**Explanation:** While processing a TRACE ST command, the system detected an error.

**System Action:** The system continues processing. The system attempts to record the error in logrec data set, write an SVC dump, and repair any problems in the system trace structure.

**Operator Response:** If the status is not as requested, enter the TRACE command again. To determine the status, enter the TRACE STATUS command.

**System Programmer Response:** If the error recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the logrec data set error record and the SVC dump, if available.

**Source:** System trace

**Detecting Module:** IEECB925

---

---

**IEA139E      PC/AUTH SERVICES ARE  
INOPERABLE**

**Explanation:** The system gave Program Call/authorization (PC/AUTH) recovery control. PC/AUTH recovery was unable to successfully validate the PC/AUTH control blocks. This can be caused by an abend code X'053'.

**System Action:** The system issues an SVC dump. In most cases, tasks running when the error occurred continue normally, and the Program Call (PC) instruction and other cross-memory instructions can still be used. After the error, programs that attempt to use PC/AUTH services are abended with system completion code X'053' reason code X'nn98'.

## IEA140W • IEA163E

**System Programmer Response:** Do the following:

- Obtain the SVC dump for this message.
- If abend X'053' with a reason code other than X'nn98' accompanies this message, see the system programmer response for abend code X'053'.
- If the message is not accompanied by abend X'053', search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the dump.

**Source:** Program Call/authorization (PC/AUTH)

**Detecting Module:** IEAVXPCR

---

### IEA140W TOTAL SIZE OF NUCLEUS, {SQA|ESQA}, {LPA|ELPA} TOO LARGE, NO SPACE FOR {CSA|ECSA}

**Explanation:** The system could not initialize the common service area (CSA). No space is left for the CSA because the following storage areas, in combination, overlapped the private area:

- The nucleus
- The system queue area (SQA)
- The link pack areas (LPA)

**System Action:** The system enters restartable wait state X'0E3'.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** See the system programmer response for wait state X'0E3'.

**Source:** Virtual storage manager (VSM)

**Detecting Module:** IEAVNP08

---

### IEA145E MESSAGES/COMMANDS MAY HAVE BEEN LOST, COMMANDS MAY NEED TO BE REISSUED

**Explanation:** In a sysplex, commands, messages, or both may have been lost.

**System Action:** The system writes an SVC dump and continues processing.

**Operator Response:** If console sysplex integrity is critical, reIPL the system that issued the message to rejoin the sysplex. Otherwise, none.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVR601

---

### IEA152I HARDCPY SPECIFICATION INVALID

**Explanation:** The operator responded to message IEA101A or IEA332A by specifying a device for a

hard-copy log. The device cannot be used for hard copy.

**System Action:** The system issues message IEA332A.

**Operator Response:** See the operator response for the accompanying message.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVNPA1

---

### IEA153I HARDCPY CONSOLE UNAVAILABLE

**Explanation:** In response to message IEA101A, the operator specified a valid console for the HARDCOPY field in the CONSOLxx parmlib member, but the console is unavailable.

**System Action:** The system issues message IEA332A after issuing this message.

**Operator Response:** See the operator response for the accompanying message.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVNPA1

---

### IEA162I dsname CANNOT BE RECOGNIZED FOR NONVIO RESTRICTION

**Explanation:** The auxiliary storage manager (ASM) did not recognize a data set. The data set name appeared in the list of page data sets specified on the NONVIO system parameter, but not on the list of paging data sets specified on the PAGE system parameter.

In the message text:

*dsname*

The name of the data set.

**System Action:** The system ignores the data set name and continues processing the NONVIO system parameter. Other system initialization continues.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Before the next system initialization, check to see if the problem resulted from a misspelling on the NONVIO system parameter. If it was, correct it. Otherwise, add the data set to the list of data sets specified on the PAGE system parameter, or remove it from the list specified on the NONVIO system parameter.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM2

---

### IEA163E ALL PAGING RESOURCES ARE RESTRICTED VIA NONVIO SPECIFICATION

**Explanation:** All of the local paging data sets specified on the PAGE system parameter are also specified on



the NONVIO system parameter. Therefore, the system has no local paging data sets available for VIO. The auxiliary storage manager (ASM) must direct VIO pages to NONVIO data sets.

**System Action:** System initialization continues.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** If the system needs a page data set for VIO pages, wait until system initialization processing completes. Then ask the operator to enter a PAGEADD command to add the data set.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM1

---

**IEA164E SMCS IS INOPERATIVE. CONTINUING WITHOUT SMCS**

---

**Explanation:** The SMCS task could not be attached, or a non-recoverable SMCS error occurred.

**System Action:** SMCS is not available during this IPL but it may be available on other systems in the sysplex.

**Operator Response:** Notify your system programmer.

**System Programmer Response:** Search the problem reporting databases for a fix for this problem. If no fix is available, contact the IBM Support Center.

**Source:** Communications Task

**Detecting Module:** IEAVN701

---

**IEA166I VATLSTxx: NO VOLUME MATCH FOUND FOR VOLUME *volser* ON DEVICE TYPE *devicetype***

---

**Explanation:** During processing of the VATLSTxx parmlib member, the system could not find a volume that matches a generic volume serial number entry.

**Note:** The system may issue this message when you code a generic volume serial and every possible explicit volume serial covered by this generic volume serial in the VATLST. In this case, ignore the message.

In the message text:

**VATLSTxx** The parmlib member, with a suffix of xx.

*volser* The volume serial number.

*devicetype* The type of device.

**System Action:** The system continues processing with the next VATLST statement.

**Operator Response:** Verify that you have mounted the correct volumes, and ask the programmer to check the device type in the volume attribute statement.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP02

---

**IEA167I VATLSTxx: VATDEF *charstring* IGNORED. *text***

---

**Explanation:** *text* is one of the following:

UNRECOGNIZED KEYWORD  
VALUE NOT VALID FOR IPLUSE  
VALUE NOT VALID FOR SYSUSE

The system issues this message during processing of the VATLSTxx parmlib member. A character string on the VATDEF statement is not a valid VATDEF keyword or operand. In the message text:

**VATLSTxx**

The parmlib member, with a suffix of xx.

*charstring*

The character string on the VATDEF statement.

**System Action:** VATLST processing ignores the incorrect character string in the VATDEF statement.

**System Programmer Response:** Correct the character string on the VATDEF statement.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP01

---

**IEA168I VATLSTxx: {VATLST|SYSTEM} DEFAULT USE ATTRIBUTE OF {PUBLIC|PRIVATE|STORAGE} {USED.|ASSUMED.}**

---

**Explanation:** The system issues this message during processing of the VATLSTxx parmlib member to indicate the value of the IPLUSE or SYSUSE keyword: PUBLIC, PRIVATE, or STORAGE. In the message text:

**VATLSTxx**

The parmlib member, with a suffix of xx.

**USED** The installation explicitly defined the value on a VATDEF statement.

**ASSUMED**

The installation did not explicitly define the value.

**System Action:** VATLST processing continues with the next member.

**System Programmer Response:** Check the value indicated for the IPLUSE keyword. If the messages indicate an assumed value and you want an explicit value, specify that value on the VATDEF statement.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP01

---

---

**IEA169I      VATLSTxx: DUPLICATE  
{SYSUSE|IPLUSE} SPECIFICATION  
IGNORED.**

**Explanation:** During processing of the VATLSTxx parmlib member, the system found more than one SYSUSE or IPLUSE keyword. In the message text:

**VATLSTxx**

The parmlib member, with a suffix of xx.

**System Action:** VATLST processing ignores any additional SYSUSE or IPLUSE keywords specified on a VATDEF statement.

**System Programmer Response:** Remove the duplicate SYSUSE or IPLUSE keyword from the VATDEF statement.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP01

---

**IEA170I      VATLSTxx: DUPLICATE VATDEF  
SPECIFICATION IGNORED**

**Explanation:** During processing of the VATLSTxx parmlib member, the system found a duplicate VATDEF statement. When processing one or more parmlib members during an IPL, the system uses the SYSUSE and IPLUSE keyword values specified in the first VATLSTxx member. It ignores the VATDEF statements specified in subsequent members. In the message text:

**VATLSTxx**

The parmlib member, with a suffix of xx.

**System Action:** The system uses the values for SYSUSE and IPLUSE specified on the VATDEF statement in the first parmlib member. Processing continues with the next record in VATLSTxx.

**System Programmer Response:** During IPL, the system uses the keyword values specified on the first parmlib member. Remove the duplicate keyword from subsequent parmlib members before the next IPL.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP01

---

**IEA171I      VATLSTxx: MISSING RIGHT  
PARENTHESIS ON VATDEF  
STATEMENT.**

**Explanation:** The system issues this message during processing for the VATDEF statement in the VATLSTxx parmlib member. The VATDEF statement contains a keyword that is missing a right (ending) parenthesis. The system assumes a right parenthesis following the last operand. In the message text:

**VATLSTxx**

The parmlib member, with a suffix of xx.

**System Action:** VATLST processes the VATDEF

statement and continues on to the next record.

**System Programmer Response:** Before the next IPL, add a right parenthesis to the VATDEF statement.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP01

---

**IEA180I      USING IBM DEFAULT PFK  
DEFINITIONS. NO PFK TABLES  
REQUESTED.**

**Explanation:** The CONSOLxx parmlib member did not contain a PFKTABxx member.

**System Action:** The system uses IBM-supplied defaults for the program function keys (PFKs) for all consoles.

**Operator Response:** To specify PFK definitions, enter a SET PFK=xx command. Then enter a CONTROL N,PFK=xx command for each console.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVC701

---

**IEA181I      USING IBM DEFAULT PFK  
DEFINITIONS. ERROR DURING PFK  
PROCESSING**

**Explanation:** The system could not change the definition of the program function keys (PFKs).

**System Action:** The system ignores the specified PFKTABxx field and uses IBM-supplied defaults for the PFKs for all consoles.

**Operator Response:** To specify PFK definitions, enter a SET PFK=xx command. Then enter a CONTROL N,PFK=xx command for each console. If the problem persists, notify the system programmer.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVC701

---

**IEA182W      RECONFIGURATION INITIALIZATION  
FAILED TO OBTAIN CHANNEL PATH  
INFORMATION FROM THE SERVICE  
PROCESSOR.**

**Explanation:** During reconfiguration initialization, the system requested channel path information, but the service processor did not return channel path information. This is probably a hardware error.

**System Action:** The system enters non-restartable wait state X'020'. The system writes a logrec data set error record about the failure.

**Operator Response:** Notify the system programmer. RelIPL the system.

**System Programmer Response:** See the system programmer response for wait state X'020'.

**Source:** Reconfiguration

**Detecting Module:** IEAVNP27

**IEA183W RECONFIGURATION INITIALIZATION FAILED TO OBTAIN SIDE INFORMATION FROM THE SERVICE PROCESSOR.**

**Explanation:** During reconfiguration initialization, the system requested side information from the service processor. The service processor did not return side information. This is probably a hardware error.

**System Action:** The system enters non-restartable wait state X'020'. The system writes a logrec data set error record about the failure.

**Operator Response:** Notify the system programmer. RelIPL the system.

**System Programmer Response:** See the system programmer response for wait state X'020'.

**Source:** Reconfiguration

**Detecting Module:** IEAVNP27

**IEA184W RECONFIGURATION INITIALIZATION FAILED TO OBTAIN THE LENGTH OF THE SIDE INFORMATION BLOCK**

**Explanation:** During reconfiguration initialization, the system tried to obtain the length of the resource group information block but failed.

**System Action:** The system enters non-restartable wait state X'020'. The system writes a logrec data set error record about the failure.

**Operator Response:** Notify the system programmer. RelIPL the system.

**System Programmer Response:** See the system programmer response for wait state X'020'.

**Source:** Reconfiguration

**Detecting Module:** IEEVORGI

**IEA186I FORMAT OF THE CSCBLOC SYSTEM PARAMETER IS NOT VALID.**

**Explanation:** The syntax of the CSCBLOC system initialization parameter in the IEASYSxx parmlib member is incorrect.

**System Action:** The system defaults the CSCBLOC parameter to CSCBLOC=ABOVE.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** If necessary, change the CSCBLOC parameter so it is in one of the following formats:

CSCBLOC=ABOVE  
CSCBLOC=BELOW  
CSCBLOC=(ABOVE)  
CSCBLOC=(BELOW)

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVNPB1

**IEA187I FORMAT OF THE CON SYSTEM PARAMETER IS NOT VALID.**

**Explanation:** The CON parameter on the CONSOLE statement in a CONSOLxx parmlib member is incorrect.

**System Action:** The system issues message IEA332A.

**Operator Response:** See the operator response for message IEA332A.

**System Programmer Response:** Update the CON system parameter in the CONSOLxx parmlib member if necessary.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVNPA1

**IEA188I CONSOLxx: NO MASTER CONSOLE SPECIFIED.**

**Explanation:** The CONSOLE statement in the CONSOLxx parmlib member did not specify an MCS console with master authority.

In the message text:

**CONSOLxx**      The parmlib member, with the suffix xx.

**System Action:** If at least one MCS console is defined in CONSOLxx, the system selects an MCS console to have master authority. Message IEA191I identifies the console that the system selected. If there are only SMCS consoles defined in CONSOLxx, then a master authority SMCS console may become the sysplex master console when it activates.

**System Programmer Response:** If there are MCS consoles defined in CONSOLxx, ensure that at least one is defined with master authority. If only SMCS consoles are used, then a master authority SMCS console (if there is one) will be chosen to be the sysplex master console when the console activates.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN613

## IEA189I • IEA192I

---

**IEA189I**      **CONSOLxx: dev IGNORED.** *text*

**Explanation:** *text* is one of the following:  
UNIT NOT SUPPORTED.  
NO IODEVICE STATEMENT FOR *dev*.

The system does not support a specified console device.

In the message text:

**CONSOLxx**

The parmlib member with a suffix of *xx*.

*dev*

The device number.

**UNIT NOT SUPPORTED.**

The system does not support the specified device.

**NO IODEVICE STATEMENT FOR** *dev*.

The specified console device was not defined in the IODF.

**System Action:** The system ignores the specified console.

**System Programmer Response:** Ensure that the device number and device type are specified in the IODF and in a CONSOLE statement in the CONSOLxx parmlib member.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN610

---

**IEA190I**      **CONSOLxx: MASTER CONSOLE** *dev*  
**WAS OFFLINE DURING IPL.**

**Explanation:** The console with master authority specified in the CONSOLxx parmlib member was offline during initial program load (IPL). In the message text:

**CONSOLxx**

The parmlib member, with a suffix of *xx*.

*dev*

The specified console device.

**System Action:** The system issues message IEA191I and continues processing. Message IEA191I identifies the master console.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN613

---

**IEA191I**      **CONSOLE** *dev (consname)* *text* **AS**  
**MASTER CONSOLE**

**Explanation:** *text* is one of the following:  
DEFINED  
SELECTED

This message identifies the master console.

In the message text:

*dev*

The device number.

*consname*

The console name.

**DEFINED**

The CONSOLxx parmlib member defines the console as the master console.

**SELECTED**

The system selected the console as the master console. In this case, this message follows message IEA188I, IEA189I, or IEA190I.

**System Action:** The system continues processing.

**Operator Response:** Enter a VARY command to alter the master console if the current master console is unacceptable.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN613

---

**IEA192I**      **CONSOLxx dev ALTERNATE**  
**DEFAULTED TO** {*consname|dev*}.  
**REASON=***reason-code*

**Explanation:** The system selected an alternate console.

In the message text:

*dev*

The device number in the CONSOLxx parmlib member.

*consname*

The default console name.

**CONSOLxx**

The parmlib member, with the suffix *xx*.

*reason-code*

The reason code. It is one of the following:

- 1 An alternate console was not specified in the CONSOLxx parmlib member. In this case, the system uses the master console as the alternate console.
- 2 The alternate console is not a valid console. The system uses the master console as the alternate console.
- 3 The alternate console has an operating mode that is not valid. For example, a printer console is defined as the alternate for a full capability console.
- 4 No alternate console is defined. The system uses the master console.

**System Action:** The system uses the specified console as the alternate console. The system continues processing.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Specify an alternate console with a CONSOLE statement in the CONSOLxx parmlib member, if desired.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVG607, IEAVN613

---

#### IEA193I      CONSOLxx NOT USABLE. *text*

**Explanation:** *text* is one of the following:  
 NOT USABLE. UNABLE TO SELECT MASTER.  
 REASON=*reason-code*  
 NOT USABLE. NO VALID CONSOLE STATEMENTS FOUND.  
 NOT USABLE. I/O ERROR OCCURRED.

The system found an error while processing a CONSOLxx parmlib member.

In the message text:

#### CONSOLxx

The parmlib member, with a suffix of xx.

#### NOT USABLE. UNABLE TO SELECT MASTER.

REASON=*reason-code*

The system was unable to select a console with master authority.

#### *reason-code*

The reason code, as follows:

- 1      No full capability console is defined in the CONSOLxx parmlib member.
- 2      No valid full capability console is defined in the CONSOLxx parmlib member.
- 3      No online full capability console is defined in the CONSOLxx parmlib member.

#### NOT USABLE. NO VALID CONSOLE STATEMENTS FOUND.

No valid console statement is defined in the CONSOLxx parmlib member.

#### NOT USABLE. I/O ERROR OCCURRED.

While the system was processing the CONSOLxx parmlib member, an error occurred.

**System Action:** The system issues message IEA332A to ask the operator to specify a new CON system parameter.

**System Programmer Response:** Before the next system initialization, specify a valid CON parameter in the CONSOLxx parmlib member.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN613

---

#### IEA194I      CONSOLxx dev: HARDCOPY DEFAULTED TO SYSLOG. REASON=*reason-code*

**Explanation:** The hard-copy console specified in the CONSOLxx parmlib member is not valid.

In the message text:

#### CONSOLxx

The parmlib member, with a suffix of xx.

#### *dev*

The device number.

#### *reason-code*

The reason code, which is one of the following:

- 1      The console is not a specified console. There may be no CONSOLE statement for the console.
- 2      The console is not valid.
- 3      The console is a display device.

**System Action:** The system assigns the device used for the system log as the default hard-copy log. The system continues processing.

**System Programmer Response:** Before the next system initialization, ensure that the device number and the device type are the same in both the IODF and the CONSOLE statement in the CONSOLxx parmlib member. Ensure that a hard-copy device is defined as a console in CONSOLxx.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN615

---

#### IEA195I      CONSOLxx LINE *Innum*; *text*

**Explanation:** *text* is one of the following:  
 UNRECOGNIZED STATEMENT TYPE IGNORED.  
*keywd* IGNORED FOR SUBSYSTEM CONSOLE.  
 CONSOLE STATEMENT IGNORED.  
 REASON=*reason-code*  
 99 CONSOLES DEFINED. STATEMENT IGNORED.  
 MISPLACED *num* STATEMENT IGNORED.  
 SYSTEM ERROR *mmmm-nnnn*  
*keyword* IGNORED FOR SYSTEM CONSOLE.  
*keyword* IGNORED FOR SMCS CONSOLE.

The system found an error on a statement in a CONSOLxx parmlib member.

In the message text:

#### CONSOLxx

The parmlib member, with a suffix of xx.

#### *Innum*

The line number in CONSOLxx containing the statement in error.



## IEA196I

### UNRECOGNIZED STATEMENT TYPE IGNORED

The first non-blank or non-comment character string on a statement was not a valid statement type. The system skips data until it finds a valid statement type.

#### *keywd* IGNORED FOR SUBSYSTEM CONSOLE.

The system ignores the keyword. The keyword is not valid for a subsystem console.

*keywd* The keyword name in CONSOLxx.

### CONSOLE STATEMENT IGNORED.

#### REASON=*reason-code*

The system could not identify the DEVNUM parameter on the CONSOLE statement. The reason code, *reason-code*, is one of the following:

- 1 The DEVNUM keyword is not the first keyword following the CONSOLE statement type.
- 2 The DEVNUM keyword value was not hexadecimal, did not fall in the range of X'000' to X'FFFF', or the value was not SUBSYSTEM, SYSCONS, or SMCS.
- 4 \*\*This reason code was deleted as of MVS/SP 4.2\*\*
- 5 A CONSOLE statement named a console that was already defined as a multiple console support (MCS) console.
- 6 The DEVNUM keyword specified a device number, but the console was previously defined as a SMCS console, or the DEVNUM keyword specified a SMCS console, but the console was previously defined with a device number.

### 99 CONSOLES DEFINED. STATEMENT IGNORED.

The system issues this message for each CONSOLE statement it encounters beyond the 99 console definition maximum. The system ignores consoles defined beyond the 99th console.

### MISPLACED *num* STATEMENT IGNORED.

A CONSOLE, HARDCOPY, DEFAULT, or INIT statement was not the first statement in the CONSOLxx member. The system ignores the incorrect statement.

*num* The statement number in CONSOLxx.

### SYSTEM ERROR *mmmm-nnnn*

The system received an unexpected return code when parsing the CONSOLxx member.

*mmmm-nnnn*

The range of statements in the erroneous CONSOLxx member.

#### *keyword* IGNORED FOR SYSTEM CONSOLE.

The specified keyword is not valid for a system console. Valid keywords are NAME, ROUTCODE, LEVEL, MONITOR, MSCOPE, CMDSYS, and UD.

#### *keyword* IGNORED FOR SMCS CONSOLE.

The specified keyword is not valid for a SMCS console. The keyword is ignored.

**System Action:** If the message text is **SYSTEM ERROR** *mmmm-nnnn*, the system stops processing the CONSOLxx member and issues message IEA332A.

For all other errors, the system continues processing the valid statements in the CONSOLxx parmlib member.

**Operator Response:** If the message text is **SYSTEM ERROR** *mmmm-nnnn*, see the operator response for message IEA332A. For other errors, notify the system programmer.

If the system issued this message during the IPL of a system into a sysplex, and no MVS consoles were initialized on this system, the system console or other extended MCS consoles may be activated and used for console functions until CONSOLxx members of SYS1.PARMLIB have been corrected.

**System Programmer Response:** Check for incorrect statements and parameters in the CONSOLxx parmlib member. Correct these statements or parameters. If the error occurs again, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

If you are running a sysplex, the IEARELCN utility may be used to remove one or more console definitions. This will allow systems which subsequently join the sysplex to have a subset of consoles from their CONSOLxx parmlib member to be defined and available. See *z/OS MVS Planning: Operations* and *z/OS MVS Initialization and Tuning Reference* for details on the 99-console limit for CONSOLxx.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN600, IEAVN601, IEAVN602, IEAVN611, IEAVN612, IEAVN615

---

## IEA196I      CONSOLxx *stmt-type: text*

**Explanation:** *text* is one of the following:  
UNRECOGNIZED KEYWORD *keywd* IGNORED.  
*keywd* NOT SPECIFIED FOR THIS CONSOLE.  
*keywd* REQUIRED FOR SMCS CONSOLES.  
*keywd* VALUE IGNORED. REASON=*reason-code*  
IODEVICE STATEMENT UNIT APPLIED.  
REASON=*reason-code*  
*keywd* IGNORED. REASON=*reason-code*  
INCONSISTENT *keywd* VALUE IGNORED.  
MISSING RIGHT PARENTHESIS ASSUMED.  
USE(*xx*) FORCED. REASON=*reason-code*  
CONSOLE NOT ACTIVATED. REASON=*reason-code*  
DUPLICATE SPECIFICATION IGNORED.  
DEVNUM ALREADY DEFINED. STATEMENT IGNORED.  
DUPLICATE *keywd* KEYWORD IGNORED.  
DUPLICATE *keywd* VALUE IGNORED.

UNBALANCED COMMENT FOUND. DATA  
IGNORED.  
PREMATURE END OF FILE DETECTED.  
DEL(RD) FORCED.  
EXTRA *keywd* VALUES IGNORED.  
DEFAULT: RMAX VALUE IGNORED.  
REASON=*reason-code*

The system found an error while processing a  
CONSOLE statement in a CONSOLxx parmlib member.

In the message text:

**CONSOLxx**

The parmlib member, with a suffix of xx.

*stmt-type*

One of the following:

*cccccccc*, specifying the console name.

*dev*, specifying the device number.

CONSOLE

DEFAULT

HARDCOPY

INIT

SUBSYS

**UNRECOGNIZED KEYWORD *keywd* IGNORED.**

The system could not identify a keyword on the  
CONSOLE statement.

In the message text:

*keywd* The unidentified keyword.

***keywd* NOT SPECIFIED FOR THIS CONSOLE.**

The keyword, although not required, is  
recommended for this console.

***keywd* REQUIRED FOR SMCS CONSOLES.**

The keyword is required for a SMCS console.

***keywd* VALUE IGNORED. REASON=*rc***

The system found a keyword value that is not valid.

*keywd* The incorrect keyword.

*rc* The reason code, which is one of the  
following:

- 1 The value does not conform to the syntax of the keyword, the value is out of range for the keyword, or the value is out of range for the console's device type.
- 2 The FORMAT or XWTR keyword values cannot be specified on a HARDCOPY statement that does not have the system log (SYSLOG) as HARDCOPY.
- 3 A CONSOLE statement defines a console with the same name as a console that already exists. The keyword specified an attribute value that was different from the

attribute value of the existing console. In a sysplex, the value does not match the corresponding value of a console with the same name that is already defined to the sysplex. The system uses the attribute of the existing console. To obtain the current console attribute values, issue the D C command.

- 4 The specified keyword value differs from the current sysplex value.
- 5 The value of RMAX exceeds the subsystem limit. The system sets the value of RMAX to the subsystem maximum limit.
- 6 The console group definition as specified by the CNGRP parameter has been defined by another system already active in the sysplex.
- 7 If the first system joining the sysplex is at MVS/ESA SP 5.1 or higher, and the value specified for RMAX is less than 99, RMAX is set to 99.
- 8 The ROUTTIME value cannot be specified on a single system. A value of zero is used.
- 9 DEVNUM(SYSCONS) was specified, but the system console hardware has not been installed.
- 10 The LU keyword was specified, but the value was rejected for one of the following reasons:
  - Another console definition, either on this system or on another system in the sysplex, specified the same LU.
  - Another console in the sysplex was active at the same LU during IPL of this system.
- 11 The VTAM APPLID specified was already in use by SMCS on another system in the sysplex.
- 12 The GENERIC keyword was specified, but a valid APPLID was not specified.
- 13 The GENERIC keyword was specified, but this system is in XCFLOCAL or MONOPLEX mode.
- 14 The CONSOLE statement specified LOGON(DEFAULT), but

the DEFAULT statement did not specify the LOGON keyword. The CONSOLE statement is processed using the appropriate default for the LOGON keyword.

#### IODEVICE STATEMENT UNIT APPLIED.

##### REASON=*reason-code*

The UNIT parameter was specified incorrectly. The system ignores this parameter and uses the unit type defined in the IODF for the specified device number.

##### *reason-code*

The reason code, which is one of the following:

- 1 The device type specified on an IODEVICE statement is not consistent with the UNIT specification on the CONSOLE statement.

##### *keyword* IGNORED. REASON=*reason-code*

The system rejected a parameter in the CONSOLxx member.

In the message text:

*keyword* The rejected keyword.

*reason-code* The reason code, which is one of the following:

- 1 The system ignores the keywords DEL, CON, SEG, RNUM, RTME, AREA, PFKTAB, UTME, and LOGON. One or more of these keywords were specified for a UNIT of PRT.
- 2 The system ignores the AUTH parameter that was specified for a UNIT of PRT.
- 3 The AREA specification was not valid because the total out-of-line AREA exceeded the screen size of the device.
- 4 An MSCOPE or CMDSYS keyword was specified while the system was running in cross-system coupling facility (XCF)-local mode or as a single-system sysplex (monoplex). The MSCOPE or CMDSYS

keyword is only valid in a multi-system sysplex mode.

#### INCONSISTENT *keyword* VALUE IGNORED.

The value of *keyword* is not consistent with a previous value for that keyword.

For example, ROUTCODE(ALL,NONE) is inconsistent because you cannot assign both all and none of the routing codes to the same console. The system accepts the first value (ALL in this case).

In the message text:

*keyword* The ignored value.

#### MISSING RIGHT PARENTHESIS ASSUMED.

A right parenthesis is missing at the end of a statement. The system assumes it is present.

#### USE(xx) FORCED. REASON=*rc*

The console's operating mode was changed to maintain consistency with the AUTH, UNIT, or DEVNUM keyword.

*xx* The new value of the USE parameter, which indicates the operating mode of the console.

*reason-code* The reason code, which is one of the following:

- 1 A statement contained AUTH(MASTER) and USE(MS) or USE(SD), indicating that the console had master authority. Since a console with master authority must also have full capability, the system changes the parameter to USE(FC).
- 2 An operating mode of full capability or status display was specified for a printer console. The system forces USE(MS).
- 3 An operating mode of message stream or status display was specified for a SMCS console. The system forces USE(FC).

#### CONSOLE NOT ACTIVATED. RC=*reason-code*.

The system did not activate the console.

In the message text:

*reason-code* The reason code, which is one of the following:

- 1 A console with the same

name already exists in the sysplex and is currently active on another system.

**2** The console that is logically associated with this name was assigned to a system component.

**3** A console on a system joining the sysplex has the same name as the failed master console. The joining system's console is not activated.

#### **DUPLICATE SPECIFICATION IGNORED.**

The system ignored a duplicate **HARDCOPY**, **DEFAULT**, or **INIT** statement.

In the message text:

*stmt-type*

The duplicate statement type.

#### **DEVNUM ALREADY DEFINED. STATEMENT IGNORED.**

The system ignored the device number because the same device number was specified in a previous **CONSOLE** statement.

#### **DUPLICATE *keywd* KEYWORD IGNORED**

Keyword *keywd* was specified more than once on the **CONSOLE** statement.

In the message text:

*keywd* The duplicate keyword.

#### **DUPLICATE *keywd* VALUE IGNORED.**

A keyword on the statement has a duplicate value.

#### **UNBALANCED COMMENT FOUND. DATA IGNORED**

The system found a slash asterisk (/) indicating the beginning of a comment, but did not find an asterisk slash (\*/) to indicate the end of the comment before the end of the file.

#### **PREMATURE END OF FILE DETECTED.**

The end of file was reached before the system completed parsing a statement.

#### **DEL(RD) FORCED.**

The system changed the deletion mode to *action messages retained* "RD" from a deletion mode of either *automatic message deletion* "Y" or *manual message deletion* "N".

#### **EXTRA *keywd* VALUES IGNORED.**

The keyword had too many values specified. The system ignores the extra values.

In the message text:

*keywd* The ignored keyword.

**System Action:** Depending on the message text, the system does one of the following:

#### ***keywd* NOT SPECIFIED FOR THIS CONSOLE.**

The system will continue processing without the keyword, although it is suggested that the keyword be added.

#### ***keywd* REQUIRED FOR SMCS CONSOLES.**

The **CONSOLE** statement is ignored in this case.

#### ***keywd* VALUE IGNORED. REASON=*reason-code***

The system ignores an incorrect keyword value and processes other valid data, except when the keywords **MSGRT**, **APPLID**, **NAME**, and **AREA** are specified. When **MSGRT** and **AREA** are specified the bad value is ignored, but valid values are still accepted (**MSGRT** and **AREA** take multiple comma-delimited values, and only the bad ones are ignored.) When **APPLID** is specified, **APPLID** is ignored and **SMCS** will not be active for the life of the system.

If *keywd* is **NAME**, and **DEVNUM(SMCS)** was also specified on the **CONSOLE** statement, the entire **CONSOLE** statement is ignored. Otherwise, only the invalid keyword value is ignored, but other valid keywords will be processed.

#### **IODF IODEVICE STATEMENT UNIT APPLIED.**

#### **REASON=*reason-code***

The system ignores this parameter and uses the unit type defined in the **IODF** for the specified device number.

#### **INCONSISTENT *keywd* VALUE IGNORED.**

The system accepts the first value.

#### **MISSING RIGHT PARENTHESIS ASSUMED.**

The system assumes the parenthesis is present.

#### **USE(*xx*) FORCED. REASON=*reason-code***

The system's operating mode was changed to maintain consistency with the **AUTH** or **UNIT** keyword.

#### **CONSOLE NOT ACTIVATED. RC=*rc*.**

The system does not activate the console.

#### **DUPLICATE SPECIFICATION IGNORED.**

The system ignores the duplicate **HARDCOPY**, **DEFAULT**, or **INIT** statement.

#### **DEVNUM ALREADY DEFINED. STATEMENT IGNORED.**

The system ignored the device number because the same device number was specified in a previous **CONSOLE** statement.

#### **DUPLICATE *keywd* VALUE IGNORED.**

The system ignores the duplicate value, unless the **NAME** keyword is specified with the **DEVNUM(SMCS)** keyword on the **CONSOLE** statement, in which case the entire **CONSOLE** statement will be ignored

In the message text:

*keywd* The ignored keyword.

## IEA200I • IEA211I

In all cases, the system continues processing the statements in the CONSOLxx parmlib member.

**System Programmer Response:** Before the next system initialization, correct the statement(s) in the CONSOLxx member.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN600, IEAVN601, IEAVN602, IEAVN610, IEAVN611, IEAVN612, IEAVN615

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### IEA200I      *memberxx - text*

**Explanation:** During system initialization, the system could not use a data set member that was to contain an alternate version of the master scheduler JCL.

In the message text:

*memberxx*

The member of SYS1.LINKLIB or SYS1.PARMLIB that the system could not use.

*text*

A description of the error, which is one of the following:

#### MEMBER NOT FOUND

The system could not find the MSTJCLxx parmlib member or MSTJCLxx load module in linklib that is to contain the alternate version of the master scheduler JCL.

#### I/O ERROR DURING BLDL

An input/output error occurred when the system used the build list to find the specified module.

#### I/O ERROR DURING READ

An input/output error occurred when the system was reading the data set that was to contain the alternate version of the master scheduler JCL.

#### UNEXPECTED END OF FILE

The system found an end-of-file (EOF) before the normal end of processing.

#### INTERNAL CONVERSION ERROR

An internal error occurred.

#### UNEXPECTED FAILURE

An internal error occurred.

**System Action:** The system prompts the operator to respecify the MSTRJCL system parameter.

**Operator Response:** Do the following:

1. Contact the system programmer. Provide the message number and message text.
2. At the request of the system programmer, do one of the following in response to the prompt to respecify the MSTRJCL system parameter:
  - Specify the MSTRJCL system parameter on the console; then press ENTER.

- Press ENTER on the console.

3. If the system prompts for the MSTRJCL system parameter again, ask the system programmer to correct the specified member.

4. After the system programmer corrects the member, reIPL the system.

**System Programmer Response:** Validate that the MSTRJCL parameter in the IEASYSxx parmlib member specifies a MSTJCLxx parmlib member or MSTJCLxx CSECT in linklib that exists and is correct. If the member does *not* exist or is *not* correct, create or correct the member. Then ask the operator to enter the MSTRJCL system parameter again (in response to this message). Otherwise, ask the operator to enter the MSTRJCL parameter again (in response to this message).

**Source:** Master scheduler

**Detecting Module:** IEAVNP13

---

### IEA208I      *func* FUNCTION INOPERATIVE

**Explanation:** During system initialization, the system detected unrecoverable errors while initializing a function. The function is now inoperative because of these errors. This is probably an installation error.

In the message text:

*func*

The function. If *func* is **LPA PACKING**, the PAK parameter was not specified, and NIP could not read the default IEAPAK00 parmlib member.

**System Action:** The system continues initialization. If NIP found an error in the PAK parameter, NIP will ask the operator to specify it again or to cancel the request.

Otherwise, the system usually issues another message to identify the errors.

The system issues other messages about the problem.

**Operator Response:** See operator responses for accompanying messages.

**System Programmer Response:** See system programmer responses for accompanying messages.

**Source:** The following:

- Nucleus initialization program (NIP)
- Master scheduler
- Contents supervision

**Detecting Module:** IEAVNP13

---

### IEA211I      **OBTAIN FAILED FOR** *dsname* **DATA SET**

**Explanation:** During system initialization, the system could not find a data set for one of the following reasons:

- The operator did not mount the volume containing the data set



- The data set control block (DSCB) was not in the volume table of contents (VTOC)
- A permanent I/O error occurred

In the message text:

*dsname*

The specified data set name.

**System Action:** System initialization continues.

**Operator Response:** Do the following:

- If the volume that contains the data set is not mounted, mount it.
- If the volume is mounted, record the device number. Notify the system programmer.

**System Programmer Response:** Do the following:

- List the VTOC of the volume that is supposed to contain the data set.
- If the data set is not on the volume, create the data set.

**Source:** DFSMSdfp

**Detecting Module:** IEAVNPM3

---

**IEA213A    DUPLICATE VOLUME *volname* FOUND ON DEVICES *dev1* AND *dev2*. REPLY DEVICE NUMBER WHICH IS TO REMAIN OFFLINE**

**Explanation:** During system initialization, the system found direct access storage devices (DASD) with the same volume label.

In the message text:

*volname*

The name of the duplicate volume.

*dev1*

The device number for the first device with a duplicate volume label.

*dev2*

The device number for the second device with a duplicate volume label.

**System Action:** The system suspends nucleus initialization. When the operator identifies which device to put offline, the system issues message IEA313I and marks that device offline. The other device will be online. Then the system continues initialization.

**Operator Response:** The operator must determine which of the two devices having the same volume label name is correct. The operator can refer to the “required volumes” list for your installation or make the determination by some other means. When the determination is made, reply to this message with the device number of the device that you want to place offline.

When specifying the device, you can optionally precede

the device number with a slash (/).

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IEAVNP02

---

**IEA214A    DUPLICATE SYSRES *volname* FOUND ON DEVICE *dev*. VERIFY THAT CORRECT DEVICE WAS USED FOR IPL. DUPLICATE DEVICE WILL REMAIN OFFLINE. REPLY 'CONT' TO CONTINUE IPL**

**Explanation:** During system initialization, the system found a direct access storage device (DASD) with volume label the same as the SYSRES device (IPL device).

In the message text:

*volname*

The duplicate volume serial name.

*dev*

The device number of the device on which the duplicate volume serial name was found.

**System Action:** The system suspends nucleus initialization. When the operator replies 'CONT', the system issues message IEA313I and marks as offline the device that has the same volume serial name as the SYSRES. Then the system continues initialization.

**Operator Response:** The operator should verify that the correct device has been used to IPL the system as specified in the system control frame. If the wrong volume has been chosen, the operator must correct the load device in the system control frame and reIPL. If the correct device has been used for IPL, then the operator should indicate that the IPL can continue.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IEAVNP02

---

**IEA230E    WTOR BUFFER SHORTAGE. 80% FULL**

**Explanation:** The write to operator with reply (WTOR) message buffers are currently 80% full.

**System Action:** The system continues processing. The system puts unauthorized tasks issuing WTOR macros in a wait state.

**Operator Response:** Do one or more of the following:

- Reply to outstanding WTOR messages.
- Cancel any jobs that are currently issuing WTOR messages.
- Enter the CONTROL M,RLIM command to increase the value of the WTOR buffer limit.

**System Programmer Response:** If the shortage persists, increase the value of RLIM in the CONSOLxx parmlib member.

**Source:** Communications task (COMMTASK)

## IEA231A • IEA236I

**Detecting Module:** IEAVMQWR

---

### IEA231A SEVERE WTOR BUFFER SHORTAGE. 100% FULL

**Explanation:** The outstanding write to operator with reply (WTOR) messages have filled the buffer.

**System Action:** The system puts tasks issuing WTOR macros in a wait state (if they did not specify a busy exit return) until the operator either reduces the number of outstanding WTORs or increases the number of WTOR buffers.

**Operator Response:** Enter a DISPLAY R,R command to see the accumulated WTOR messages. Do one of the following:

- Reply to outstanding WTOR messages.
- Cancel jobs that are currently issuing WTOR macros.
- Enter the CONTROL M,RLIM command to increase the number of WTOR buffers.

**Note:** The RLIM value cannot be higher than the RMAX value (RMAX is the highest possible reply ID). If you need to increase RLIM higher than RMAX, consider entering the CONTROL M,RMAX command to increase RMAX. To determine the current values of RLIM and RMAX, issue the K M,REF command.

The value of RMAX controls the number of digits in all reply IDs. For example, increasing RMAX to 100 (or higher) causes all WTORs to have 3-digit reply IDs. This might affect automation routines. Check with the system programmer before increasing RMAX higher than 99.

**System Programmer Response:** If the shortage recurs, increase the value for RLIM or RMAX in the CONSOLxx parmlib member.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVMQWR

---

### IEA232I WTOR BUFFER SHORTAGE RELIEVED

**Explanation:** In response to message IEA230E or IEA231A, this message indicates that the shortage of buffer space for write to operator with reply (WTOR) messages was relieved.

**System Action:** The system continues processing. The system deletes messages IEA230E and IEA231A, if they are outstanding.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVMQWR

---

### IEA233I LOAD COMMAND IMSI VALUE OF C NOT VALID. DEFAULTED TO BLANK

**Explanation:** When the LOAD command was entered, the initialization message suppression indicator (IMSI) was specified as a value other than a blank, A, P, or M. The system takes the default actions: It suppresses informational messages and does not prompt for system parameters.

**System Action:** The system continues processing.

**Source:** Communications task (COMMTASK)

---

### IEA234I NO MCS CONSOLES DEFINED

**Explanation:** No multiple console support (MCS) consoles are currently defined to the system.

**System Action:** System initialization continues.

**Operator Response:** Perform all operator functions on extended MCS consoles, subsystem allocatable consoles, or the system console.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN613

---

### IEA235I RECURSIVE ABEND IN SYSCON DOMLIST QUEUE PROCESSING. QUEUEING SUSPENDED. DOMS TO SYSTEM CONSOLE MAY BE LOST.

**Explanation:** An error occurred when the system was processing the system console delete operator message (DOM) queue.

**System Action:** The system does not queue DOM requests to the system console. Some held messages may not be deleted.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVG719

---

### IEA236I SYSCON DOMLIST QUEUE PROCESSING RESUMED.

**Explanation:** The system resumed processing of the system console delete operator message (DOM) queue.

**System Action:** The system continues processing.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVG719

---

**IEA238I      SYSTEM CONSOLE [PRIORITY]  
OPERATOR INPUT PROCESSING  
ABENDED, PROCESSING  
REESTABLISHED, LAST INPUT MAY  
BE LOST**

**Explanation:** The system deleted and reestablished the listener exit routine. Commands that the operator entered before the error occurred may be lost.

In the message text:

**PRIORITY**

The system is not accepting operator input from the screen that accepts priority commands.

**System Action:** The system continues processing.

**Operator Response:** If the system did not process the previous command, enter the command again from the system console.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN701

---

**IEA240I      OBSOLETE BLDLF OR BLDL SYSTEM  
PARAMETER(S) IGNORED**

**Explanation:** Either the operator or the IEASYSxx parmlib member specified obsolete system parameters BLDLF and/or BLDL.

**System Action:** The system ignores BLDLF or BLDL parameters.

**Operator Response:** Do not specify BLDLF or BLDL for this system.

**System Programmer Response:** Remove any BLDLF and BLDL specifications from the IEASYSxx parmlib members.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05

---

**IEA246I      *memname* ID *xx* SELECTED**

**Explanation:** For system initialization, the system selected the parmlib member *memname*.

In the message text:

*memname*

The parmlib member selected for initial program load (IPL) processing. *memname* is one of the following:

- LOAD
- NUCLST

*xx* The identifying number of the parmlib member.

**System Action:** System initialization continues.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAIPL50

---

**IEA247I      USING IEASYSxx FOR *xx...x***

**Explanation:** For system initialization, the system is using the IEASYSxx parmlib member displayed in the message text for system parameters.

If you are using multiple IEASYSxx parmlib members, the system displays message IEA008I in place of this message.

In the message text:

*xx...x* Contains the full product name, version, release, modification level and FMID. For example, in OS/390 Release 2, *xx...x* is 01.02.00 JBB6602.

This field can be changed by the installation using the SPZAP service to change the value in the CVTVERID field of the communication vector table (CVT).

**System Action:** System initialization continues.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPC4

---

**IEA248I      NUCLEUS MODULE *modname* IS  
LISTED IN IEAN*xdd1* AND IEAN*xdd2***

**Explanation:** The system detected a duplicate module entry appearing in two nucleus module lists (NML). This may represent an error in a non-MVS product.

In the message text:

*modname*

The duplicated module name

IEAN*xdd1*

The first nucleus module list

IEAN*xdd2*

The second nucleus module list

**System Action:** System initialization continues. The system loads module *modname* as part of the system nucleus.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Make sure that the correct version of module *modname* resides in the SYS1.NUCLEUS data set. Delete the module name from one of the NMLs listed in the message. Do not delete the name from both NMLs unless this module should not be loaded as part of the system nucleus.

**Source:** Initial program load (IPL)

---

**IEA250I      [RER | RDE ] PARAMETER NOT VALID.  
DEFAULT OF 'NO' TAKEN.**

**Explanation:** One of the system parameters, RER or RDE, was specified incorrectly in the IEASYSxx parmlib member.

## IEA251I • IEA254I

**System Action:** Processing continues.

**System Programmer Response:** This is probably an installation error. Make sure that the RER or RDE parameter is correct.

---

**IEA251I** {DEVSUPyy: | IGDDFPKG;} INVALID SYNTAX. MEMBER PROCESSING TERMINATED ON LINE *nnnn*

**Explanation:** The IGDDFPKG or the DEVSUPyy parmlib member contains an incorrect keyword.

In the message text:

*yy* The member number

*keyword*

The incorrect keyword.

**System Action:** IPL continues.

**Application Programmer Response:** Correct the keyword parameter.

**Source:** DFSMSdfp

**Detecting Module:** IEAVNP16

---

**IEA252I** {DEVSUPyy: | IGDDFPKG;} INVALID SYNTAX. MEMBER PROCESSING TERMINATED ON LINE *nnnn*

**Explanation:** The DEVSUPyy or IGDDFPKG parmlib member contains a syntax error.

In the message text:

*yy* The number of the member being processed.

*nnnn* The line number, relative to the beginning of the member, where the error was found.

**System Action:** IPL continues.

**Application Programmer Response:** Correct the syntax.

**Source:** DFSMSdfp

**Detecting Module:** IEAVNP16

---

**IEA253I** DEVSUP 3480X RECORDING MODE  
DEFAULT IS  
[NO-COMPACTION|COMPACTION]  
DEVSUP ISO/ANSI TAPE LABEL  
VERSION DEFAULT IS (V3|V4|FORCED  
V3|FORCED V4)  
DEVSUP TAPE OUTPUT DEFAULT  
BLOCK SIZE LIMIT IS  
[value|valueK|valueM|valueG;]  
DEVSUP COPYSDDB DEFAULT is  
[YES|NO|INPUT] SMALL|LARGE]

--or--

DEVSUP MTLSHARE=YES SPECIFIED

--or--

## DEVSUP MTL SHARE IS IGNORED

**Explanation:** This message is issued at IPL time if any DEVSUPxx members exist to show which installation default applies. The message is informational, and requires no action or response.

In the message text:

**V3** Is ISO/ANSI Version 3

**V4** Is ISO/ANSI Version 4

**Forced V3**

ISO/ANSI Version 3 is being forced

**Forced V4**

ISO/ANSI Version 4 is being forced

**value** Is a numeric value

**Note:** For descriptions of **forced** and other DEVSUPxx parameters displayed in this message, see *z/OS MVS Initialization and Tuning Reference*.

Message DEVSUP MTLSHARE=YES SPECIFIED is issued when MTLSHARE=YES is specified in the active DEVSUPxx member of PARMLIB. This message can be issued on DFSMS 1.2, DFSMS 1.3, and DFSMS 1.4 systems.

Message DEVSUP MTL SHARE IS IGNORED is issued when MTLSHARE=YES is specified in the active DEVSUPxx member of PARMLIB. This message can be issued on OS/390 DFSMS Version 2 Release 10 and higher systems.

**System Action:** IPL continues.

**Source:** DFSMSdfp

**Detecting Module:** IEAVNP16

---

**IEA254I** CONSOLxx: RLIM EXCEEDS RMAX,  
RLIM IS SET TO RMAX

**Explanation:** The RLIM specified on the INIT statement exceeds the RMAX value on the DEFAULT statement, if specified, or the default value of RMAX.

**System Action:** The RLIM for the sysplex is set to the RMAX value.

**Operator Response:** Report the error to the system programmer.

**Application Programmer Response:** Adjust either the RMAX or RLIM value in the CONSOLxx member to insure that RMAX >= RLIM.

**Detecting Module:** IEAVN610

---

**IEA255I      CONSOLE INITIALIZATION DELAYED.  
AWAITING CONSOLE PARTITION  
CLEANUP OF SYSTEM *sysname*.**

**Explanation:** System initialization is delayed so another system in the sysplex can complete console partition cleanup processing for the system specified in the message text.

In the message text:

*sysname*

The system that is undergoing console partition cleanup.

**System Action:** The system delays initialization for five seconds while another system in the sysplex completes console partition cleanup processing. The system may issue message IEA256I or IEA255I again.

**Operator Response:** If the system issues message IEA256I after this message, no action is necessary. If the system issues this message again, restart or partition from the sysplex any systems that are in a stopped or disabled state.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN703

---

**IEA256I      CONSOLE INITIALIZATION RESUMED.**

**Explanation:** The system resumed console initialization after another system in the sysplex completed console partition cleanup.

**System Action:** The system issues message IEA255I before issuing this message. System initialization continues.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN703

---

**IEA257I      CONSOLE PARTITION CLEANUP IN  
PROGRESS FOR SYSTEM *sysname***

**Explanation:** Console partition cleanup is in progress, after a system in the sysplex was partitioned.

In the message text:

*sysname*

The name of the system that was partitioned.

**System Action:** The system continues processing.

**Source:** Communications task (COMMTASK)

---

**IEA258I      CONSOLE PARTITION CLEANUP  
COMPLETE FOR SYSTEM *sysname***

**Explanation:** Console partition cleanup completed after a system in the sysplex was partitioned.

In the message text:

---

*sysname*

The name of the system that was partitioned.

**System Action:** The system continues processing.

**Source:** Communications task (COMMTASK)

---

**IEA259I      CLOCK<sub>xx</sub>: ENVIRONMENT NOT VALID  
FOR SIMETRID**

**Explanation:** The SIMETRID parameter was incorrectly specified in a CLOCK<sub>xx</sub> parmlib member. The SIMETRID parameter is only valid when the system is running as a virtual machine (VM) or processor resource/systems manager (PR/SM) guest.

In the message text:

**CLOCK<sub>xx</sub>**

The parmlib member, with the suffix *xx*.

**System Action:** The system ignores all CLOCK<sub>xx</sub> parmlib members. The system issues message IEA906A.

**Operator Response:** Reply to message IEA906A. If you press the enter button in reply to message IEA906A, the system sets the following default values:

- No operator prompting for time-of-day (TOD) clock initialization.
- External Time Reference (ETR) synchronization mode. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.
- ETRDELTA value of 10 seconds.
- Time zone constant obtained from ETR (or set to 0 if time zone cannot be obtained from ETR).

**System Programmer Response:** Specify the correct synchronization mode (ETRMODE) in the CLOCK<sub>xx</sub> parmlib member.

If you specify ETRMODE NO, you cannot specify ETRZONE YES.

**Source:** Timer supervision

**Detecting Module:** IEAVNP20

---

**IEA260I      THE CPC IS NOW OPERATING IN ETR  
MODE.**

**Explanation:** The central processing complex (CPC) is now synchronized with the External Time Reference (ETR). ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

**System Action:** Processing continues in ETR synchronization mode.

**Source:** Timer supervision

**Detecting Module:** IEATEEIH

---



## IEA261I • IEA265I

---

### IEA261I NO ETR PORTS ARE USABLE. CPC CONTINUES TO RUN IN LOCAL MODE.

**Explanation:** There is no operational port from the central processing complex (CPC) to the External Time Reference (ETR). ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

**System Action:** Processing continues in local synchronization mode. The system records the error in the logrec data set.

**Operator Response:** Check the system console associated with this processor. If you have already contacted the IBM Support Center, no further action is required.

Otherwise, contact 9037 hardware support. Note that the same event might occur on more than one of the processors in a sysplex.

**Source:** Timer supervision

**Detecting Module:** IEAVNP2I

---

### IEA262I ETR PORT *n* IS NOT OPERATIONAL.

**Explanation:** The specified External Time Reference (ETR) port is not working. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

In the message text:

*n* The port number.

**System Action:** The system continues processing. The system records the error in the logrec data set.

**Operator Response:** One of the following:

- If an ETR is installed, check the system console associated with this processor. If you have already contacted the IBM Support Center, no further action is required.

Otherwise, contact 9037 hardware support. Note that the same event might occur on more than one of the processors in a sysplex.

- If an ETR is not installed, ensure that the CLOCKxx member of SYS.PARMLIB contains ETRMODE NO and ETRZONE NO.

**Source:** Timer supervision

**Detecting Module:** IEATPORT

---

### IEA263I BOTH CPC PORTS ARE CONNECTED TO THE SAME SIDE OF ETR *xx*.

**Explanation:** Both central processing complex (CPC) ports are connected to the same side of a coupled External Time Reference (ETR). ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

In the message text:

*xx* The ETR identifier.

**System Action:** The system continues processing. The system records the error in the logrec data set.

**Operator Response:** Contact your configuration/cabling personnel and have the configuration error corrected. Provide the logrec data set error records.

**Source:** Timer supervision

**Detecting Module:** IEATPORT

---

### IEA264I PORT *n* TO ETR *xx* WAS DISABLED BECAUSE IT IS INCORRECTLY CONNECTED.

**Explanation:** The system disabled the specified port to an External Time Reference (ETR). ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent. The port was not connected to the same ETR as the link from the remaining or initial port.

In the message text:

*n* The port number.

*xx* The ETR identifier. If a question mark appears, there was no ETR identifier available from the port.

**System Action:** The system continues processing. The system records the error in the logrec data set.

**Operator Response:** Contact your configuration/cabling personnel and have the configuration error corrected. Provide the logrec data set error records.

**Source:** Timer supervision

**Detecting Module:** IEATPORT

---

### IEA265I UNABLE TO SYNC TOD CLOCKS TO ETR. CPC CONTINUES IN LOCAL MODE.

**Explanation:** The central processing complex (CPC) could not synchronize with the External Time Reference (ETR). This occurred for one of the following reasons:

- A hardware error occurred.
- The time difference between the ETR and time-of-day (TOD) clocks exceeded the ETRDELTA value in a CLOCKxx parmlib member.

ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

**System Action:** The system continues processing in local synchronization mode. The system records the error in the logrec data set.

**Operator Response:** Contact hardware support. Provide the logrec data set error records.

**Source:** Timer supervision

**Detecting Module:** IEATESMR

---

**IEA266I**      **CLOCKxx: {ETRMODE NO AND ETRZONE YES|OPERATOR PROMPT AND SIMETRID} ARE MUTUALLY EXCLUSIVE PARMS.**

**Explanation:** Both ETRMODE NO and ETRZONE YES, or OPERATOR PROMPT and SIMETRID, were specified in a CLOCKxx parmlib member. The timer synchronization mode must be External Time Reference (ETR) (ETRMODE YES) to obtain the time zone value from the ETR. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

In the message text:

**CLOCKxx**

The parmlib member, with the suffix xx.

**System Action:** The system ignores all CLOCKxx parmlib members. The system issues message IEA906A.

**Operator Response:** Reply to message IEA906A. If you press the enter button in reply to message IEA906A, the system sets the following default values:

- No operator prompting for time-of-day (TOD) initialization.
- ETR synchronization mode.
- ETRDELTA value of 10 seconds.
- Time zone constant obtained from ETR (or set to 0 if time zone cannot be obtained from ETR).

**System Programmer Response:** Specify the correct synchronization mode (ETRMODE) in the CLOCKxx parmlib member.

If you specify ETRMODE NO, you cannot specify ETRZONE YES.

**Source:** Timer supervision

**Detecting Module:** IEAVNP20

---

**IEA267I**      **ETR PORT *n* IS NOW AVAILABLE.**

**Explanation:** An External Time Reference (ETR) port is now working. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

In the message text:

*n*            The port number.

**System Action:** The system continues processing.

**Source:** Timer supervision

**Detecting Module:** IEATEEIH

---

**IEA268I**      **ETR PORT *n* IS DISABLED DUE TO AN EXCESSIVE NUMBER OF STATE CHANGES.**

**Explanation:** The system detected an excessive number of availability state changes for an External Time Reference (ETR) port. ETR is the MVS generic

name for the IBM Sysplex Timer (9037) or equivalent.

In the message text:

*n*            The port number.

**System Action:** The system disables the port.

**Operator Response:** Check the system console associated with this processor. If you have already contacted the IBM Support Center, no further action is required.

Otherwise, contact 9037 hardware support. Note that the same event might occur on more than one of the processors in a sysplex.

**Source:** Timer supervision

**Detecting Module:** IEATEEIH

---

**IEA269I**      **A CPC SIDE ID CHANGE FROM SIDE *x* TO SIDE *y* HAS OCCURRED.**

**Explanation:** The central processing complex (CPC) switched from using the External Time Reference (ETR) ports on one side to the ports on another side. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

In the message text:

*x, y*        The side identifiers.

**System Action:** Processing continues.

**Source:** Timer supervision

**Detecting Module:** IEATESMR

---

**IEA270I**      **BOTH PORTS TO THE ETR HAVE BEEN DISABLED. CPC CONTINUES IN LOCAL MODE.**

**Explanation:** The system disabled both ports to an External Time Reference (ETR). ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

**System Action:** Processing continues in local mode.

**Operator Response:** Contact your configuration/cabling personnel and have the configuration error corrected. Provide the logrec data set error records.

**Source:** Timer supervision

**Detecting Module:** IEATEEIH

---

**IEA271I**      **ETR TIME OFFSET CHANGES HAVE OCCURRED.**

**Explanation:** The system encountered a problem with the External Time Reference (ETR). One of the following occurred:

- A leap second increment or decrement

## IEA272I

- The local time offset changed because of a change to or from local daylight savings time

ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

**System Action:** Processing continues.

**Source:** Timer supervision

**Detecting Module:** IEATTOC

---

**IEA272I      ETR SERVICE IS REQUESTED.**  
**REASON CODE=***reason-code*

**Explanation:** The External Time Reference (ETR) requires service. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

In the message text:

*reason-code*

A reason code explaining the error follows. For more information about the reason codes, see *Maintenance Information for the 9037 Sysplex Timer*.

<b>033</b>	CLO Links cross-cabled.
<b>034</b>	CLO Link A wrapped.
<b>035</b>	CLO Link B wrapped.
<b>036</b>	CLO links jumpered.
<b>037</b>	Non-severe fan failure detected.
<b>040</b>	Communication lost with console.
<b>041</b>	Communication lost with standby console.
<b>044</b>	The external time source is out of tracking range.
<b>045</b>	The external time source is not responding.
<b>046</b>	The external time source reported a synchronization change.
<b>047</b>	The external time source is not synchronized.
<b>065</b>	Base card failed.
<b>066</b>	Port card in card location 2 failed.
<b>067</b>	Port card in card location 3 failed.
<b>068</b>	Port card in card location 4 failed.
<b>069</b>	Port card in card location 5 failed.
<b>074</b>	Control link card failed.
<b>075</b>	Severe fan failure detected.
<b>076</b>	Other 9037 unit failed.
<b>077</b>	Control link A failed.
<b>078</b>	Control link B failed.

<b>079</b>	Internal bus failed.
<b>080</b>	Battery clock module failed.
<b>081</b>	Wrong card in card location XX.
<b>082</b>	Backup data invalid.
<b>084</b>	Identical Unit Addresses on the Base cards.
<b>089</b>	Warning: Power-on diagnostic failure.
<b>090</b>	Unable to communicate with other unit.
<b>093</b>	Warning: configuration mismatch on CLO links.
<b>094</b>	Warning: ETS configuration conflict.
<b>098</b>	Port card in slot 0 failed.
<b>099</b>	Port card in slot 1 failed.
<b>100</b>	Port card in slot 2 failed.
<b>101</b>	Port card in slot 3 failed.
<b>102</b>	Port card in slot 4 failed.
<b>103</b>	Port card in slot 5 failed.
<b>104</b>	Port 0 failed.
<b>105</b>	Port 1 failed.
<b>106</b>	Port 2 failed.
<b>107</b>	Port 3 failed.
<b>108</b>	Port 4 failed.
<b>109</b>	Port 5 failed.
<b>110</b>	Port 6 failed.
<b>111</b>	Port 7 failed.
<b>112</b>	Port 8 failed.
<b>113</b>	Port 9 failed.
<b>114</b>	Port 10 failed.
<b>115</b>	Port 11 failed.
<b>116</b>	Port 12 failed.
<b>117</b>	Port 13 failed.
<b>118</b>	Port 14 failed.
<b>119</b>	Port 15 failed.
<b>120</b>	Port 16 failed.
<b>121</b>	Port 17 failed.
<b>122</b>	Port 18 failed.
<b>123</b>	Port 19 failed.
<b>124</b>	Port 20 failed.
<b>125</b>	Port 21 failed.
<b>126</b>	Port 22 failed.

127 Port 23 failed.

**System Action:** Processing continues.

**Operator Response:** The reason code indicates that service is required. Check the system console associated with this processor. If the system has contacted the IBM Support Center, no further action is required.

Otherwise, contact 9037 hardware support. Note that the same event might occur on more than one of the processors in a sysplex.

**Source:** Timer supervision

**Detecting Module:** IEATEEIH, IEATESMR

**IEA273I TOD CLOCKS DYNAMICALLY  
ADVANCED TO MAINTAIN ETR  
SYNCHRONISM.**

**Explanation:** After an External Time Reference (ETR) synchronization check, the system synchronized the time-of-day (TOD) clocks again. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

The channel path measurement facility (CPMF) stops or enters a restartable error state. The system restarts the CPMF.

**System Action:** The system continues processing. Resynchronization may have created a gap in timestamps.

**Source:** Timer supervision

**Detecting Module:** IEATESCH

**IEA274W THE ONLY ONLINE TOD CLOCK HAS  
FAILED.**

**Explanation:** The last, or only, online time-of-day (TOD) clock failed.

**System Action:** The system enters nonrestartable wait state X'A1E'.

**Operator Response:** See the operator response for wait state X'A1E'.

**System Programmer Response:** See the system programmer response for wait state X'A1E'.

**Source:** Timer supervision

**Detecting Module:** IEATESCH, IEATESC2, IEAVRTOD, IEATTSCH, IEATTFDH

**IEA275I PRIMARY SYNCHRONIZATION  
FACILITY DAMAGE WAS DETECTED.**

**Explanation:** The system found that the primary synchronization facility was damaged.

**System Action:** The system attempts to validate the damaged hardware. The system continues processing.

**Source:** Timer supervision

**Detecting Module:** IEATPSDH

**IEA276I ETR ATTACHMENT DAMAGE WAS  
DETECTED.**

**Explanation:** The system found that the External Time Reference (ETR) attachment was damaged. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

**System Action:** The system attempts to validate the damaged hardware. The system continues processing.

**Source:** Timer supervision

**Detecting Module:** IEATEADH

**IEA277I TIMING FACILITY DAMAGE WAS  
DETECTED.**

**Explanation:** The system found that the time-of-day (TOD) clock or the TOD synchronization facility was damaged.

**System Action:** The system attempts to validate the damaged hardware. The system continues processing.

**Source:** Timer supervision

**Detecting Module:** IEATTFDH

**IEA278I THE LINK FROM PORT *n* TO THE ETR  
IS TUNED.**

**Explanation:** All link segments from the specified port to the External Time Reference (ETR) are tuned. A tuned link is one for which transmission adjustments have been made to account for the length of the link.

In the message text:

*n* The port number.

**System Action:** Processing continues.

**Source:** Timer supervision

**Detecting Module:** IEATEEIH, IEATESGR

**IEA279I ALL CLOCK RELATED SET  
COMMANDS ARE IGNORED WHEN IN  
ETR MODE.**

**Explanation:** The operator entered a SET command while the system was running in External Time Reference (ETR) synchronization mode. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

**System Action:** The system ignores the SET command.

**Source:** Timer supervision

**Detecting Module:** IEA6503D

**IEA280I      ETR DATA CANNOT BE ACCESSED.  
CPC CONTINUES IN LOCAL MODE.**

**Explanation:** One of the following occurred:

- Timer supervision could not obtain the required data words from the External Time Reference (ETR).
- The data words that timer supervision obtained from the ETR are not valid.

ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

**System Action:** Processing continues in local synchronism mode.

**Operator Response:** Check the system console associated with this processor. If you have already contacted the IBM Support Center, no further action is required.

Otherwise, contact 9037 hardware support. Note that the same event might occur on more than one of the processors in a sysplex.

**Source:** Timer supervision

**Detecting Module:** IEATPORT

**IEA281I      ETR SYNC CHECK THRESHOLD HAS  
BEEN EXCEEDED. CPC CONTINUES IN  
LOCAL MODE.**

**Explanation:** The number of External Time Reference (ETR) synchronization checks exceeded the number allowed by the system. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

**System Action:** Processing continues in local synchronization mode.

**Operator Response:** Contact hardware support. Provide the logrec data set error records.

**Source:** Timer supervision

**Detecting Module:** IEATESCH

**IEA282I      text**

**Explanation:** Where *text* is one of the following messages:

```
hh.mm.ss ETR STATUS SYNCHRONIZATION
MODE=mode CPC SIDE=n
[CPC PORT 0 [<==] active ==>] CPC PORT 1
op                               op
enb                               enb
[CPC PORT 0 [<==] active ==>] CPC PORT 1
op                               op
enb                               enb
ETR NET ID=etrnet    ETR NET ID=etrnet
ETR PORT=etrport    ETR PORT=etrport
ETR ID=etrid            ETR ID=etrid
```

[THE ETR FACILITY IS NOT INSTALLED.]

[PORT STATUS CANNOT BE DETERMINED.]

[ETR DATA COULD NOT BE OBTAINED FOR CPC PORT 0]

[ETR DATA COULD NOT BE OBTAINED FOR CPC PORT 1]

Or

*hh.mm.ss* ETR STATUS    ETR SIMULATION MODE,  
SIMETRID=*nn*

Both messages are in response to the DISPLAY ETR command.

ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

In the first message text:

*hh.mm.ss*

The hour (00-23), minute (00-59), and second (00-59) that the system issued this message.

*mode*

The current synchronization mode, as follows:

**ETR**      The system time-of-day (TOD) clocks are synchronized to an External Time Reference (ETR).

**LOCAL**

The operator set the system TOD clocks. The system TOD clocks are synchronized to a local oscillator.

<==

==>

An arrow pointing to the active ETR port.

*op*      The operational status of the ETR port, as follows:

**OPERATIONAL**

The port is working.

**NONOPERATIONAL**

The port is not working.

*enb*

One of the following:

**ENABLED**

MVS has enabled the port.

**DISABLED**

MVS has disabled the port.

*etrnet*

The ETR network identifier, in decimal.

*etrport*

The ETR port number, in decimal.



*etrid*

The ETR identifier, in decimal.

### THE ETR FACILITY IS NOT INSTALLED

There is no ETR installed on the system.

### PORT STATUS CANNOT BE DETERMINED

The system cannot communicate with the ETR.

The second message text is displayed if SIMETRID=*nn* in CLOCKxx is specified. In the second message text:

*hh.mm.ss*

The hour (00-23), minute (00-59), and second (00-59) that the system issued this message.

*nn* The simulated sysplex timer identifier ranging from X'00' to X'1F'.

**System Action:** The system continues processing.

**Source:** Timer supervision

**Detecting Module:** IEATDISP

---

### IEA283I ETR PORT *n* IS ENABLED.

**Explanation:** An External Time Reference (ETR) port is enabled. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

In the message text:

*n* The port number.

**System Action:** The system continues processing.

**Source:** Timer supervision

**Detecting Module:** IEATCMD

---

### IEA284I ETR PORT *n* CANNOT BE ENABLED.

**Explanation:** The system cannot enable an External Time Reference (ETR) port for one of the following reasons:

- The installation requested local synchronization mode, meaning that ETR ports must be disabled.
- The ETR Facility is not installed.
- The system cannot communicate with the ETR.

ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

In the message text:

*n* The port number.

**System Action:** The system continues processing.

**Operator Response:** Do the following:

- Wait 30 seconds.
  - Enter the SETETR command again.
- If the system issues message IEA284I again, the port cannot be enabled.

- Enter the DISPLAY ETR command to display information about the port.

**Source:** Timer supervision

**Detecting Module:** IEATCMD

---

### IEA285I THE LINK FROM PORT *n* TO THE ETR IS NOT TUNED.

**Explanation:** One or more link segments in the path from the specified port to the External Time Reference (ETR) are not tuned. An untuned link has had no transmission adjustments made to account for its length.

In the message text:

*n* The port number.

**System Action:** Processing continues normally, unless a resynchronization of the time-of-day (TOD) clock is required. If a resynchronization is required, the system will switch to local mode.

**Source:** Timer supervision

**Detecting Module:** IEATEEIH, IEATESMR

---

### IEA287I IGDDFPKG {DFSMS OFFERING|DFSMS FEATURE} IS *n*

**Explanation:** This message is issued during IPL to show which DFSMS/MVS offering or feature was specified in the IGDDFPKG parmlib member.

In the message text:

*n* The offering or feature value specified. For information about the offering or feature value, refer to the *z/OS MVS Initialization and Tuning Reference*.

**System Action:** Processing continues.

**Source:** DFSMS/MVS

**Detecting Module:** IEAVNP16, IGDSMSPK

---

### IEA297W LSQA IS EXHAUSTED IN A NON-MEMTERMABLE ADDRESS SPACE

**Explanation:** The system was unable to obtain storage from LSQA which was needed to process an SVC instruction. The system loaded a wait state because it was unable to terminate the address space of the program which issued the SVC.

**System Action:** The system enters a non-restartable wait state and issues message IEA297W.

**Operator Response:** Provide a stand-alone dump if requested by the system programmer. RelIPL the system.

**System Programmer Response:** The problem may be caused by a loop which causes LSQA to be exhausted. If the source of the problem cannot be

## IEA298I • IEA301I

determined, search problem reporting data bases for a fix. If no fix exists, contact IBM support center. Provide the stand-alone dump.

**Source:** Supervisor Control

---

**IEA298I**      **MAXCAD VALUE, xxxxxx, NOT VALID.  
DEFAULT OF 25 USED**

**Explanation:** During system initialization, an incorrect MAXCAD value was specified in one of two ways:

- In the IEASYSxx parmlib member
- In the operator response to message IEA101A

In the message text:

xxxxxx    The incorrect MAXCAD value

**System Action:** Initialization continues with the default MAXCAD value of 25.

**Operator Response:** RelPL may be done to enter a correct value, but is *not* required.

**System Programmer Response:** Respecify the MAXCAD value by doing one of the following:

- Ask the operator to enter a correct value in response to message IEA101A.
- Correct the value specified in the IEASYSxx member.

**Source:** Supervisor control

**Detecting Module:** IEAVNPO9

---

**IEA299I**      **CONDITIONAL RIM mod NOT FOUND  
IN SYS1.NUCLEUS. INITIALIZATION  
CONTINUES**

**Explanation:** During nucleus initialization, the nucleus initialization program (NIP) could not find an optional resource initialization module (RIM) in the SYS1.NUCLEUS data set.

In the message text:

mod      The missing optional RIM

**System Action:** Nucleus initialization continues.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNIPM

---

**IEA300I**      **I/O ERROR DURING BLDL FOR mem IN  
dsname**

**Explanation:** An uncorrectable I/O error prevents the nucleus initialization program (NIP) from reading a directory entry for a member in a data set. This is probably a hardware error.

In the message text:

**mem**      The member name

**dsname**  
            The data set containing the member

**System Action:** If the missing member is a NIP module, the system enters a disabled wait state. If not, processing continues.

**Operator Response:** Record the address of the device where the I/O error occurred and contact hardware support.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNIPM, IEAVNP13, IEAVNPM4, IEAVNPM3

---

**IEA301I**      **mem {NOT FOUND|IS ALIAS} IN  
dsname|PARMLIB**

**Explanation:** The nucleus initialization program (NIP) detected an error condition.

**Note:** This message can also be issued for a non-existing member of SYS1.LINKLIB; check the parmlib member for any typographical errors.

In the message text:

**mem NOT FOUND IN dsname**  
NIP could not find member *mem* of data set *dsname*.

**mem IS ALIAS IN dsname**  
Member *mem* is an alias, but the directory of data set *dsname* also contains an alias entry for this member.

**dsname**  
If the parmlib concatenation consists of only one data set, this is the name of that data set.

### PARMLIB

If the parmlib concatenation consists of more than one data set, the member was not found in any of the parmlib data sets.

This message is often accompanied by messages IEA324I and IEA336A in this sequence:

IEA301I IEASYS00 NOT FOUND IN SYS1.PARMLIB

This message occurs even if the operator specified IEASYSxx parmlib members other than IEASYS00.  
IEA324I SYSP INPUT TERMINATED IN IEASYS00  
IEA336A RESPECIFY PARAMETERS OR PRESS  
ENTER TO CANCEL

This combination occurs when NIP cannot find the primary IEASYSxx member, IEASYS00, while the system is processing the operator's response to message IEA101A.

**System Action:** If the missing member is a required NIP module, the system enters a disabled wait state. If not, processing continues.

If message IEA301I is accompanied by messages IEA324I and IEA336A, the system resumes processing after the operator replies to message IEA336A.

**Operator Response:** When message IEA301I is followed by IEA324I and IEA336A in the sequence shown above, reply to IEA336A by specifying the SYSP system parameter so that the system can access IEASYSxx parmlib members.

**System Programmer Response:** If the error occurred for the link list or LPA, determine what library the member is in. Determine if the library needs to be added to the concatenated list. Reinitialize the system.

If the error occurred in SYS1.PARMLIB, add the missing member to the data set.

If the member was in the data set, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Note that the IBM Support Center might request a stand-alone dump if the problem has recurred.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNIPM, IEAVNP13, IEAVNPC5, IEAVNPM4

---

**IEA303W ABEND *cde* REASON *rsn* DURING  
INITIALIZATION UNDER RIM *dsname*  
[*modname* NOT FOUND]**

---

**Explanation:** During nucleus initialization, a system function abended.

In the message text,

*cde* A hexadecimal abend code

*rsn* The reason code from register 15 that was specified on the REASON keyword of the ABEND macro.

*dsname*  
The resource initialization (RIM) data set name under which processing was occurring.

*modname*  
The name of the module that abended.

**System Action:** The system enters disabled wait state X'040'.

**Operator Response:** See the operator response for wait state X'040'.

**System Programmer Response:** See the system programmer response for the abend code in the message text.

**Problem Determination:** See the problem determination information for the abend code in the message text.

For additional problem determination information, see wait state X'040'.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNIPM

---

**IEA304W SYSTEM WAIT STATE - CODE *cde*  
DURING *mod* INITIALIZATION**

---

**Explanation:** The nucleus initialization program (NIP) encountered an error and the system enters a wait state.

In the message text:

*cde* The last three digits identify the wait state code. See *z/OS MVS System Codes* for a description of the wait state code and for a description of the order of the bits.

*mod* Identifies the NIP module that was in control when the system entered the wait state.

**System Action:** The system enters a wait state.

**Operator Response:** See the operator response for the wait state issued.

**System Programmer Response:** See the system programmer response for the wait state issued.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNIPM

---

**IEA305A INVALID REPLY FORMAT - RESPECIFY**

---

**Explanation:** During nucleus initialization, the last reply entered through the console was not in correct format.

**System Action:** The system ignores the reply just entered and waits for the reply to be respecified.

**Operator Response:** Reenter the reply correctly. Ensure that it is not longer than 80 characters.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNWTO

---

**IEA306I *dev, chp, I/O ERROR, cm, stat, [sens], [ser]***

---

**Explanation:** The nucleus initialization program (NIP) issued an I/O request to a device on a channel path. The I/O request included a command that resulted in an unsuccessful I/O completion.

In the message text:

*dev*  
The device number

*chp*  
The channel path identifier

*cm* The I/O command that resulted in an unsuccessful I/O completion

*stat*  
The channel status word (CSW) status bytes

*sens*  
The first two bytes of sense data

## IEA307I • IEA309I

The sense data appears only for errors involving a unit check status.

*ser* The volume serial number of a direct access storage device (DASD) involved

The volume serial number appears only for DASD.

**System Action:** If the I/O request is critical to the system initialization process, the system issues message IEA304W and enters a disabled wait state. Otherwise, processing continues.

If the device is a console, the system also issues message IEA193I, which indicates the CONSOLxx member that defines the console where the error occurred.

**Operator Response:** This is probably a hardware error. If the system issues message IEA304W, see the operator response for that message and the associated wait state.

If the system does not issue message IEA304A, restart the system and then contact hardware support. Provide the message text.

**Source:** Nucleus initialization program (NIP)

**Detecting Module:** IEAVNPM3

---

**IEA307I**      *dev,chnp, I/O ERROR READING VOLUME LABEL, cmd,stat,text. [sense-data]*

**Explanation:** A program issued a request to read a volume label on a device. The I/O request included a command that caused an unsuccessful I/O completion.

In the message text:

*dev*  
The device number.

*chnp*  
The channel path identifier (CHPID)

*cmd*  
The I/O command that caused the error.

*stat*  
The subchannel status word (SCSW) status bytes.

*text*  
A variable length text string that is one of the following:

### SENSE FOLLOWS

This text appears for unit check errors in which the resulting sense data could be successfully read. If this text is displayed, the sense data is also displayed.

*sense-data*  
Shows up to 32 bytes of the resulting sense data in the second line.

### INVALID SENSE DATA

This text appears for unit check errors in which

an I/O error also occurred while trying to read the resulting sense data.

**Note:** If this situation occurs, no second line of message IEA307I is displayed.

### NO SENSE DATA

This text appears for non-unit check errors. Since the error was not a unit check, then no sense data exists.

**Note:** If this situation occurs, no second line of message IEA307I is displayed.

**System Action:** The system continues processing.

**Operator Response:** Notify the system programmer of the I/O error that occurred while the system was reading the volume label for the specified device.

**System Programmer Response:** Contact hardware support.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IOSVVOLV

---

**IEA308I**      **MAXIMUM NUMBER OF PARMLIBS EXCEEDED**

**Explanation:** More than 10 PARMLIB statements were specified in LOADxx.

**System Action:** IPL continues.

**System Programmer Response:** Ensure that a maximum of 10 PARMLIB statements are specified in LOADxx.

**Source:** Initial program load (IPL)

**Detecting Module:** IPXI50PS

---

**IEA309I**      **PARMLIB DATA SET IGNORED: *dsname* *volser***

**Explanation:** A data set in the PARMLIB concatenation is ignored because more than 10 (the maximum allowed) data sets have been specified.

In the message text:

*dsname*  
The name of the data set that will not be used.

*volser* The volume where *dsname* resides.

**System Action:** IPL continues.

**System Programmer Response:** Ensure that a maximum of 10 PARMLIB statements are specified in LOADxx.

**Source:** Initial program load (IPL)

**Detecting Module:** IPXI50PS

---

---

**IEA310A      INVALID REPLY**

**Explanation:** During nucleus initialization, the last reply to message IEA120A or IEA212A did not contain the required information.

**System Action:** The system ignores the reply. The system issues message IEA120A or IEA212A again.

**Operator Response:** Enter the reply correctly.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IEAVNPM3, IEAVNP02, IEAVNP03, ILRASRIM

---

**IEA311I      UNLABELED DASD ON *dev*. UNIT PUT OFFLINE.**

**Explanation:** The direct access storage device (DASD) mounted on a device is not formatted correctly.

In the message text:

*dev*

The device number.

**System Action:** The system marks the device offline.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Ensure that the volume mounted on the device was properly initialized by the ICKDSF program.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IOSVVOLV

---

**IEA312I      *dev* OFFLINE**

**Explanation:** Because a direct access storage device (DASD) was formatted incorrectly, the system placed the device offline. In the message text:

*dev*

The device number.

**System Action:** The system continues processing without the device.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Ensure that the system properly initialized the volume mounted on the device.

**Source:** DFSMSdfp

---

**IEA313I      DEVICE *dev* DISMOUNTED**

**Explanation:** During nucleus initialization, the system dismounted a device in response to message IEA212A.

In the message text:

*dev*

The device number.

**System Action:** The system continues processing.

**Operator Response:** If the device is not the device you wanted to dismount, do the following:

- RelPL the system with the correct device in ready status.
- If the device is not required during system initialization, enter a VARY command to establish the volume status at the end of system initialization.

**Source:** Input/output supervisor (IOS)

---

**IEA314I      CONFLICTING VOLUME ON *dev***

**Explanation:** During system initialization, the system found a device with an incorrect device type while attempting to mount a volume. In the message text:

*dev*

The device number.

**System Action:** One of the following:

1. If the volume on the device is not permanently resident, the system marks the device not ready. The system issues message IEA315A.
2. If the volume on the device is permanently resident, but the volume to be mounted is for an optional data set, the system issues message IEA317A.
3. If the volume to be mounted is for a required data set, and the volume on the device is permanently resident, the system enters wait state X'039'.

**Operator Response:** See the operator response for message IEA315A, IEA317A, or wait state code X'039'.

**Source:** DFSMSdfp

**Detecting Module:** IEAVNPM3

---

**IEA315A      M *devname*,[NL], *dsname***

**Explanation:** During system initialization, the system required one of the following:

- An unlabeled tape for a SYS1.DUMP*nn* data set
- The volume containing a data set to be mounted on a device

In the message text:

*devname*

The name of the device on which the volume should be mounted.

*dsname*

The name of the data set in the volume to be mounted.

**System Action:** The system waits for a volume to be mounted on the specified device.

**Operator Response:** Mount one of the following:

- The direct access volume containing the specified data set



## IEA316A • IEA319I

- An unlabeled scratch tape

**Source:** DFSMSdfp

**Detecting Module:** IEAVNPM3

---

### IEA316A     D *dev[,ser]*

**Explanation:** During system initialization, the system found that a volume was mounted on a device other than the device requested.

If the device is a tape unit, the volume is write-protected or contains a standard IBM tape label.

In the message text:

*dev*     The device number.

*ser*     The serial number of the volume that was mounted incorrectly.

**System Action:** The system issues message IEA315A.

**Operator Response:** Do the following:

- Demount the specified volume.
- Ensure that the proper volume is mounted on the specified device.
- Ensure that the volume is initialized with the proper volume serial number.

**Source:** DFSMSdfp

**Detecting Module:** IEAVNPM3

---

### IEA317A     SPECIFY UNIT FOR *dataset* ON *volser* [OR CANCEL]

**Explanation:** During system initialization, the system could not find a data set on a mounted volume. In the message text:

*dataset*   The name of the data set that the nucleus initialization program (NIP) could not find.

*volser*    The serial number of the volume where the data set should reside.

#### [OR CANCEL]

The operator may cancel a request to mount the volume.

**System Action:** The system waits for the operator to reply. If the operator replies R 00,xxx, the system may issue messages IEA318I and IEA317A.

**Operator Response:** Do the following:

1. Enter the command REPLY 00,*dev*.
2. Find the channel path identifier (CHPID) defined for the device using the I/O problem determination (IOPD) frame option A5.
3. Check the CHPID availability for the current physical partition using the channel configuration (CHNCFA) frame.

4. In logically partitioned (LPAR) mode, use the IOPD frame option A5 and the device number to determine if the device is supported and in which logical partition.
5. Check if the control unit is powered and enabled to the interface. If the control unit interface path is switched through a 3814, check the switching unit settings.
6. For 3380 device level selection (DLS) or device level selection extended (DLSE) devices, check if the device enable/disable switch is in the ENABLE position.
7. If you replied to message IOS120A with the 'CONT' command, reIPL the system.
8. Verify that the devices defined in the IODF are online.

**Source:** DFSMSdfp

**Detecting Module:** IEAVNPM3

---

### IEA318I     UNIT UNACCEPTABLE

**Explanation:** During system initialization, the system found that the unit specified in the reply to message IEA317A contained one of the following:

- An unacceptable device type for the data set volume to be mounted
- A volume that could not be demounted

**System Action:** The system rejects the unit specification. The system issues message IEA317A again.

**Operator Response:** See the operator response for message IEA317A, specifying an alternate unit. Ensure that the alternate unit:

- Is the proper device type for the volume to be mounted
- Does not contain a required system data set
- Is demountable

**Source:** DFSMSdfp

**Detecting Module:** IEAVNPM3

---

### IEA319I     *dsname* NOT FOUND ON *volser*

**Explanation:** During system initialization, the system could not find a data set on a volume. In the message text:

*dsname*     The data set name.

*volser*    The volume serial number.

**System Action:** If the data set is logrec, SYS1.SVCLIB, SYS1.PARMLIB, or SYS1.LINKLIB, the system enters a disabled wait state. Otherwise, the system continues processing.

**Operator Response:** Remove the incorrect volume

and mount the correct one. If the action does not correct the problem, notify the system programmer.

**System Programmer Response:** Do the following:

- List the table of contents of the volume that should contain the data set.
- If the data set is not on the volume, create the data set.
- Tell the operator to restart the system.

**Source:** DFSMSdftp

**Detecting Module:** IEAVNPM3

---

#### IEA321I      **INVALID PARAMETER SYNTAX** - *prm* - *text*

**Explanation:** *text* is one of the following:

INVALID OPI KEYWORD  
IMPROPER DELIMITER  
UNBALANCED PARENS  
INVALID CONTINUATION  
UNDEFINED KEYWORD

The specified parameter is not valid.

In the message text:

*prm*

The specified parameter.

#### **INVALID OPI KEYWORD**

The OPI parameter is specified incorrectly in the IEASYSxx parmlib member. It must be either OPI=YES or OPI=NO.

#### **IMPROPER DELIMITER**

The parameter is followed by an incorrect delimiter. Parameters must be separated by a comma or a blank.

#### **UNBALANCED PARENS**

The parameter included a different number of right and left parentheses.

#### **INVALID CONTINUATION**

The parameter continued across more than two successive lines of text.

#### **UNDEFINED KEYWORD**

The parameter is not valid for message IEA101A under operating system/virtual storage 2 (OS/VS2).

**System Action:** The system prompts the operator for a reply by issuing message IEA336A, IEA324I, IEA332A, or IEA906A.

**Operator Response:** See the operator response for the accompanying message.

**Source:** Virtual storage management (VSM)

**Detecting Module:** IEAVNP08

---

#### IEA323I      **OPI INVALID IN** *mem*

**Explanation:** The nucleus initialization program (NIP) found an incorrect OPI parameter in a IEASYSxx parmlib member. The OPI parameter must be specified as either OPI=YES or OPI=NO.

In the message text:

**mem**      The IEASYSxx parmlib member containing an incorrect OPI parameter

**System Action:** The system ends the input from the member and issues message IEA324I. The system issues message IEA336A to prompt the operator to respecify the SYSP parameter.

**Operator Response:** Respond to message IEA336A by specifying the SYSP parameter again or canceling the use of it for this IPL. Parameters interpreted up to the point of the error remain in effect.

**System Programmer Response:** Make sure that the IEASYSxx parmlib member correctly specifies the SYSP parameter. Ensure that the SYSP list of system parameters is specified correctly.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNP03

---

#### IEA324I      **SYSP INPUT TERMINATED IN** *mem*

**Explanation:** During system initialization, the nucleus initialization program (NIP) ended input from an IEASYSxx parmlib member because of an error.

In the message text:

**mem**      The IEASYSxx parmlib member

**System Action:** NIP issues a message before message IEA324I to explain the error. After message IEA324I, the system then issues message IEA336A to prompt the operator to respecify the parameter input that was truncated. Parameters specified before the error remain in effect.

**Operator Response:** Notify the system programmer. See the operator response for the message preceding IEA324I.

**System Programmer Response:** See the system programmer response for the message preceding IEA324I.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNP03

---

#### IEA325I      **IEASYSxx PARAMETER LIST**

**Explanation:** During system initialization, the operator requested a listing of the SYSP list of parameters when responding to message IEA101A. This message is the header for the listing of the IEASYSxx parmlib member.

In the message text:

## IEA326I • IEA330A

**xx** The identifier for the IEASYS parmlib member.

**System Action:** The system lists the parameters and continues processing.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNP03

---

### IEA326I LOCATE FAILED FOR *dsname*

**Explanation:** *dsname* is one of the following:

SYS1.DUMP  
SYS1.CSSLIB  
SYS1.LINKLIB  
SYS1.LPALIB  
SYS1.DSSVM  
SYS1.MIGLIB

During system initialization, the nucleus initialization program (NIP) could not find a data set in the system catalog.

**System Action:** If the data set is SYS1.LINKLIB or SYS1.CSSLIB, the system enters wait state X'00A'. For other data sets, the system provides additional diagnostic information in message IEA208I, IEA351I, IEA354I, or IEA355A.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** See the system programmer response for accompanying messages or for wait state X'00A' if the missing data set name is SYS1.LINKLIB or SYS1.CSSLIB.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPC5, IEAVNPE5

---

### IEA328E LNKLST<sub>xx</sub> INPUT TRUNCATED AT *dsname*

**Explanation:** Too many data set names were specified for inclusion in the LNKLST concatenation.

In the message text:

**xx** The identifier for the LNKLST or PROG parmlib member that defined the LNKLST concatenation.

*dsname*

The name of the last data set in the parmlib member

**System Action:** The system did one of the following:

- Accumulated data set names for the LNKLST until its work area filled up.
- Concatenated as many of the specified data sets to SYS1.LINKLIB as can be described in the data extent block (DEB) for the LNKLST. The work area or the DEB were filled up in processing data set *dsname*. The system ignores the data set names after *dsname*.

**Operator Response:** Notify the system programmer. Obtain a stand-alone dump.

**System Programmer Response:** Do one of the following:

- Reduce the total number of extents in the data sets in the parmlib member.
- Reduce the number of data sets specified for inclusion in the LNKLST.

To reopen the LNKLST concatenation, have the operator reIPL the system.

Do not try to reduce the number of extents by compression while the data sets are opened as part of LNKLST. Data sets must not be compressed while they are in the LNKLST concatenation.

If the problem recurs, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the stand-alone dump.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNPE5, CSVLLCRE

---

### IEA329I RETRYABLE ERROR. RECENT COMMANDS MAY NEED TO BE REPEATED

**Explanation:** The current command to be processed is not valid. The system recovered from a previous abend.

**System Action:** The system does not process the command and all subsequent commands in the queue.

**Operator Response:** You may have to retry one or more of the following commands:

- CONTROL C,A
- CONTROL C,E
- CONTROL C,I
- CONTROL M

If the problem persists, contact the system programmer.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVC700

---

### IEA330A CONTINUE *prm* PARM

**Explanation:** This message permits the operator to continue entering information related to a parameter.

In the message text:

*prm* The parameter name.

**System Action:** The system prompts for the operator for a reply.

**Operator Response:** Continue entering information related to the parameter.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVNP03

---

**IEA331I LINK LIBRARY CONCATENATION**  
**SYS1.LINKLIB** *dsname dsname ...*

**Explanation:** The message lists the data sets that the system concatenated to SYS1.LINKLIB. The system issues this message if the list (L) keyword is specified in the LNK system parameter.

In the message text:

*dsname*  
 The data set name of a data set concatenated to the SYS1.LINKLIB data set.

**System Action:** The system continues processing.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP03

---

**IEA332A SPECIFY** *prm*

**Explanation:** The nucleus initialization program (NIP) found that a function defined by a parameter in an IEASYSxx parmlib member was omitted.

In the message text:

*prm* The parameter name of a required or optional function. If **OR CANCEL** appears in the message text, the function is optional.

**System Action:** To allow you to respond, the system issues message IEA101A, then waits for your response.

**Operator Response:** Contact the system programmer. If the function is required, reply to message IEA101A as follows:

If, for example, *prm* is CON:

R 0,CON=xx

R 0,CON=(xx)

R 0,CON=(xx,L)

If, for example, *prm* is LOGREC:

R 0,LOGREC=dsname

If the function is optional (OR CANCEL appears in the message text), press the ENTER key on the console to bypass the parameter and continue system initialization without the optional function.

**System Programmer Response:** See the system programmer response for message IEA101A.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNP03

---

**IEA334A** *dsname(mem)* **HAS AN INVALID RECORD LENGTH - SPECIFY EOB TO CONTINUE**

**Explanation:** The nucleus initialization program (NIP) read at least one record from a parmlib member. The member has a physical record length (block size) that is not a multiple of 80. The logical record length (LRECL) for parmlib members must be 80. The physical record length must be a multiple of LRECL.

In the message text:

*dsname*  
 The data set containing the member  
  
*mem* The member that has the incorrect physical record length

**System Action:** Initialization processing waits for your response.

**Operator Response:** Notify the system programmer. To continue the IPL, specify EOB (press ENTER). This action requests processing of member *mem*, even though it has an incorrect record length.

**System Programmer Response:** Make sure that the physical record length of records in *mem* is a multiple of 80.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPM4

---

**IEA335I** *dsname* **MODULE** *mod* **IN** *mem* **LIST IS** *text*

**Explanation:** *text* is one of the following:

NOT EXECUTABLE  
 ALIAS OF ALIAS  
 NOT AUTHORIZED  
 LIST IS A DUPLICATE

The system could not process a module *a* for data set in a parmlib member.

In the message text:

*dsname*  
 The name of the data set.

**NOT EXECUTABLE**

The system cannot process module *mod*.

**ALIAS OF ALIAS**

The directory entry for the module name *mod* specifies that it is an alias. However, the module name that it is an alias of is also an alias. This is not valid.

**NOT AUTHORIZED**

Module name *mod* is not in a library listed in the authorized program facility (APF) list.

## IEA336A • IEA340I

### LIST IS A DUPLICATE

Module *mod* duplicates a module name that already appears in member *mem*.

*mod* The name of the module. If the member is specified as IOSDLPAL, then the module is a device support module that should reside in SYS1.LINKLIB.

*mem* The parmlib member that names module *mod*.

**System Action:** The system ignores the module name *mod* and continues processing. If ALIAS OF ALIAS appears in the message text, the system has loaded the module with the original alias, but the module cannot be accessed using the incorrect alias name.

**Application Programmer Response:** This is probably an installation error. Ensure that the module with the incorrect alias is link edited properly.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05

---

### IEA336A RESPECIFY PARAMETERS OR PRESS ENTER TO CANCEL

**Explanation:** During nucleus initialization, one of the following contained an incorrect parameter:

- The operator response to message IEA101A
- The system parameters defined in an active IEASYSxx parmlib member

**System Action:** The system accepts all parameters specified before the parameter in error. The system prompts the operator to respecify the incorrect parameter or cancel the use of the parameter for this IPL.

This message may be preceded by explanatory messages IEA301I and IEA324I.

**Operator Response:** Do one of the following:

- Enter a reply specifying only the corrected parameter and subsequent parameters.
- Cancel further input by pressing ENTER. In this case, the parameters accepted by the system remain in effect.

Any parameter may be respecified in this response.

**System Programmer Response:** If the parameters were correct or if the problem persists, and a search of the problem reporting data bases shows no fix, contact the IBM Support Center.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNP03

---

### IEA338A INVALID *prm* PARM - RESPECIFY *parm* OR PRESS ENTER TO CANCEL

**Explanation:** One of the system parameters specified during system initialization was incorrect.

In the message text:

*prm* The incorrect parameter

**System Action:** The system ignores the incorrect parameter and prompts the operator for a reply.

**Operator Response:** Respecify the parameter or press ENTER to cancel the use of the parameter for this IPL.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNP03

---

### IEA339A *dsname* HAS AN INVALID BLOCKSIZE - PRESS ENTER TO CONTINUE

**Explanation:** The block size of the parmlib data set *dsname* is not a multiple of 80. The logical record length (LRECL) of a parmlib data set must be 80, and the block size must be a multiple of LRECL.

**System Action:** Initialization processing waits for your response.

**Operator Response:** Notify the system programmer of this message. To continue the IPL, press ENTER. This action requests processing of the concatenated parmlib data set with the incorrect block size

**System Programmer Response:** Make sure that the LRECL of the data sets in the concatenated parmlib is 80 and that the block size is a multiple of 80.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNP03

---

### IEA340I REAL OR VIRTUAL STORAGE NOT AVAILABLE FOR *func*

**Explanation:** The nucleus initialization program (NIP) could not obtain storage for the function indicated.

In the message text:

*func* The function is one of the following:

- BLDL/BLDLF
- FIX
- IOSDLPAL
- LPA Device Support Modules
- MLPA
- PFT

**System Action:** If *func* is not a necessary system function, the system will continue processing. If, however, *func* is a necessary system function, the system enters disabled wait state X'038' or X'03A'.



Functions and system actions are as follows:

**func**     **System Action**

**PFT**     Wait state X'038'

**LPA Device**  
Wait state X'03A'

**Support**

**Modules**

**BLDL/BLDLF**  
Respecification offered by prompt message

**MLPA**     The system issues message IEA353I

**FIX**     The system issues message IEA353I

**Note:** PFT is not a system parameter.

**Operator Response:** Report this message to the system programmer.

**Application Programmer Response:** If message IEA956I or message IEA968I was issued previously, probable hardware error. Central storage might have a defective frame located at a fairly low address. If message IEA956I or message IEA968I was not issued previously, this is probably an installation error. Make sure that sufficient storage is available for NIP processing. Reduce the number or the size of your optional system facilities, such as the fixed link pack area (FLPA) or the fixed BLDL list.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05

---

**IEA341A     RESPECIFY *prm* PARM OR PRESS ENTER**

**Explanation:** A system parameter specified during initialization was incorrect. Previous messages might diagnose the specific error in the parameter specification.

In the message text:

*prm*     The incorrect system parameter.

**System Action:** The system prompts the operator for a reply.

**Operator Response:** Enter the parameter correctly or press ENTER. If you press ENTER, any system defaults for the parameter are used.

If *prm* is DUMP, ensure that TA was not specified in the SYS1.PARMLIB dump command.

**Source:** Nucleus initialization program (NIP)

**Detecting Module:** IEAVNP08

---

**IEA343D     NUCLEUS OVERLAPS PLPA, RE-IPL OR REPLY 'GO' FOR COLD START**

**Explanation:** The nucleus overlaps into the previous system queue area/extended system queue area (SQA/ESQA) area. This causes an overlap into the area required by pageable link pack area (PLPA) or extended PLPA (EPLPA). This might have been caused by one of the following:

- The size of the nucleus increased.
- The amount of central storage increased; this increase results in an increase in the size of the nucleus.

PLPA and EPLPA must be in the same virtual storage location as the previous IPL for warm starts to proceed. Therefore, the quick or warm start cannot proceed. The operator must reIPL or allow the IPL to change to a cold start.

**System Action:** This message requests a response from the operator. If the operator replies GO, the system issues message IEA929I (CLPA FORCED), changes the IPL to a cold start, and continues paging initialization. Otherwise, the operator must reIPL.

**Operator Response:** Determine if the correct nucleus was specified at IPL. If not, specify the correct nucleus and reIPL. If the correct nucleus was specified at IPL, notify the system programmer.

**System Programmer Response:** If the problem cannot be resolved, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

---

**IEA345A     *dsname* NOT USED (*text*) - PRESS ENTER TO CONTINUE**

**Explanation:** The system cannot use the specified parmlib data set.

In the message text:

*dsname*  
The data set name.

*text*  
A variable length text string that is one of the following:

**OPEN FAILED**

The system cannot open data set *dsname*.

***volser* NOT FOUND**

The system cannot locate or cannot mount volume *volser*.

**NOT CATALOGED**

The LOADxx parmlib statement for data set *dsname* was not cataloged in the master catalog.

## IEA347A • IEA352I

**System Action:** IPL processing waits for the operator to press ENTER.

**Operator Response:** Notify the system programmer. To continue the IPL without data set *dsname*, press ENTER.

**System Programmer Response:** Depends on *text*.

### OPEN FAILED

Ensure that *dsname* either resides on the volume specified on the LOADxx parmlib statement or is cataloged in the master catalog. IPL the system again to use the data set.

### volser NOT FOUND

Ensure that the volume exists and it is mounted. IPL the system again to use the data set.

### NOT CATALOGED

Ensure that the data set *dsname* is cataloged on the master catalog or specify a volume for it on the LOADxx parmlib statement. IPL the system again to use the data set.

**Source:** Nucleus initialization program (NIP)

**Detecting Module:** IEAVNPOP

---

## IEA347A SPECIFY MASTER CATALOG PARAMETER

: **Explanation:** During system initialization, the system  
: issues this message asking the operator to specify  
: whether the normal master catalog or an alternate  
: master catalog is to be used by the system. If the  
: catalog name to be used has been provided in the  
: LOADxx member, but that member name cannot be  
: found in SYS1.NUCLEUS, this message will be issued.

: **System Action:** The system waits for the operator to  
: reply. The system generates the name of the  
: SYS1.NUCLEUS parmlib member that will be used to  
: find the master catalog. If the parmlib member cannot  
: be found, the message will be reissued. If the SYSCAT  
: statement is supplied in the LOADxx member and this  
: message appears, either the name of the catalog is  
: spelled incorrectly in the SYSCAT statement, or  
: LOADxx filtering parms (such as, HWNAME and  
: LPARNAME) may be incorrect, causing the system to  
: attempt to use the wrong master catalog name.

**Operator Response:** Do one of the following:

- Reply *nn*: To select the alternate master catalog, SYSCATLGnn. nn is the two character suffix of SYSCATLG. Member SYSCATLGnn will now be used to find the master catalog in SYS1.NUCLEUS.
- Press enter: To use the default member of SYS1.NUCLEUS, SYSCATLG to find the master catalog.

**Source:** DFSMSdfp

**Detecting Module:** IEAVNP11

---

## IEA350I *mem* MODULE LIST

**Explanation:** This is a header message for the library listing requested by the operator. The modules specified in the parmlib member are printed following this message.

In the message text:

*mem* The specified parmlib member name.

**System Action:** The system prints the list and processing continues.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05, IEAVNPC5

---

## IEA351I *dsname* REQUIRED FOR *mem*

**Explanation:** The nucleus initialization program (NIP) cannot find the data set *dsname*. The data set is required for member *mem* in the parmlib.

In the message text:

*dsname*  
The specified data set name.

*mem* The specified member name.

**System Action:** The system continues processing.

**Operator Response:** This is probably an installation error. Report the problem to the system programmer and reply in the format specified for message IEA101A as requested by the system programmer, or cancel the job.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05

---

## IEA352I LIST *mem* FOR *prm* INVALID *text* MODNAME *mod*

**Explanation:** *text* is one of the following:

INCORRECT LIBNAME FORMAT  
EXCEED MAX BLDL ENTRIES  
INCORRECT VOLID FIELD  
EXCEED APF TABLE STORAGE  
MODNAME *mod* FOR *dsname*  
INCORRECT LIBNAME FORMAT FOR *dsname*  
MODULE LIST NOT CLOSED FOR *dsname*  
INVALID KEYWORD FOUND  
INVALID DELIMITER  
MIXED SYNTAX ENCOUNTERED

The parmlib member specified for a parameter is incorrect.

In the message text:

*mem*

The name of the parmlib member.

*prm*

The parameter.

#### **MODNAME *mod***

*mod* identifies the name of the incorrect module specified.

#### **INCORRECT LIBNAME FORMAT**

The parmlib list did not properly define a module source library.

#### **EXCEED MAX BLDL ENTRIES**

The parmlib list contained too many module names; BLDL has more than X'7FFF' names.

#### **INCORRECT VOLID FIELD**

The parmlib list contained volid's that were specified in the wrong format, or possibly not specified at all.

#### **EXCEED APF TABLE STORAGE**

The parmlib list IEAAPFxx contains entries with a character count exceeding the maximum storage allocated for the authorized program facility (APF) table.

#### **MODNAME *mod* FOR *dsname***

The parmlib member specified an incorrect module name, *mod* for data set *dsname*.

#### **INCORRECT LIBNAME FORMAT FOR *dsname***

The parmlib member specified an incorrect module source library for data set *dsname*.

#### **MODULE LIST NOT CLOSED FOR *dsname***

The parmlib member is missing the module list closing delimiter for data set *dsname*.

#### **INVALID KEYWORD FOUND**

The parmlib member contains an invalid keyword.

#### **INVALID DELIMITER**

The parmlib member contains an incorrect keyword delimiter.

#### **MIXED SYNTAX ENCOUNTERED**

The parmlib member specified libraries with keyword and non-keyword syntaxes.

**System Action:** For the texts "INCORRECT LIBNAME FORMAT", "INCORRECT VOLID FIELD", and "EXCEED APF TABLE STORAGE", the system continues. For all others, the system prompts the operator to respecify the parameter or cancel.

**Operator Response:** This is probably an installation error. Respond to the prompt message and report this message to the system programmer.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting databases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNPA5, IEAVNPC5, IEAVNP05

---

**IEA353I** *prm* **INPUT TERMINATED AT *mod***

**Explanation:** The definition of the parameter failed for lack of storage as indicated by the preceding message.

In the message text:

*prm* The specified parameter. If *prm* is CLPA, a link pack area (LPA) cold start has failed.

*mod* The module that was to be loaded when the error was detected.

**System Action:** If this initial program load (IPL) was not a cold start, the system continues processing. Modules specified before *mod* are added to the LPA. If *prm* is CLPA, the system is placed in wait state X'03A'.

**Operator Response:** This is probably an installation error. Report this message to the system programmer.

**System Programmer Response:** Ensure that there is adequate storage for the *prm* function being attempted. Respond as indicated for the wait state code if it occurs.

If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05, IEAVNPC5

---

**IEA354I** [CLPA|MLPA|BLDL|IOSDLPAL] **FAILED**  
- *text*

**Explanation:** The system link pack area (LPA) or the pageable build directory entry list (BLDL) table could not be created. *text* indicates the reason:

#### **LPALIB UNAVAILABLE**

The SYS1.LPALIB data set is not defined in the catalog or the data set could not be opened. The reason for the failure is given in the previous message.

#### **LPALIB EMPTY**

The SYS1.LPALIB data set did not contain any load modules.

#### **STORAGE UNAVAILABLE**

Virtual storage is too small to contain all the modules in SYS1.LPALIB. The number of modules in SYS1.LPALIB must be reduced if cold start is to be successful.

#### **I/O ERROR**

An I/O error occurred when the nucleus initialization program (NIP) attempted to read a record from the SYS1.LPALIB directory.

#### **PGOUT ERROR**

An error occurred during the processing of the

## IEA355A • IEA357I

PGSER macro. The PGSER macro tried to page out the modified link pack area (MLPA) area, pageable link pack area (PLPA) area, or the pageable BLDL list.

### NON-EXECUTABLE MODS

Non-processible modules were found on SYS1.LPALIB.

**System Action:** The system enters non-restartable wait state X'03A'. If any modules were successfully loaded into the LPA, the system issues message IEA353I.

**Operator Response:** This is probably an installation error. Notify the system programmer.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05, IEAVNPC5

---

### IEA355A RESPECIFY *prm* [OR CANCEL]

**Explanation:** The nucleus initialization program (NIP) detected an error a parameter.

In the message text:

*prm* The parameter name.

#### OR CANCEL

CANCEL is a reply option.

**System Action:** The system issues message IEA101A.

**Operator Response:** Contact the system programmer, then reply in the format specified by message IEA101A. If CANCEL is a reply option, you may press the enter button on the console to bypass the parameter.

**System Programmer Response:** See the system programmer response for message IEA101A.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVNPA1

---

### IEA356I ALIAS *name* OF MODULE *mod* IGNORED

**Explanation:** During the initial program load (IPL) of the link pack area (LPA), the entry for aliasname in a library directory (the library is SYS1.LPALIB, SYS1.LINKLIB, or SYS1.SVCLIB) specifies that it is the alias of the specified module. However, *mod* is not in that library directory or is itself an alias. A message accompanying message IEA356I names which library.

In the message text:

*name* The specified alias name.

*mod* The specified module.

**System Action:** If a cold start is in progress and the system is creating the pageable link pack area (PLPA) this message follows message IEA301I. If the system is loading the modified link pack area (MLPA) or the fixed link pack area (FLPA) this message follows message IEA335I. The system ignores the entry for aliasname during the IPL of the LPA. The system may have loaded module *mod* into the LPA, but *mod* cannot be accessed by the alias aliasname.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05, IEAVNPC5

---

### IEA357I ERRORS IN 'IEAPAKxx' LIST

*text* - *sysact*

**Explanation:** *text* is one of the following:

- MODULE *mod* HAS INVALID RMODE
- DELIMITER FOLLOWING *mod* INVALID
- NAME FOLLOWING *mod* IMPROPER
- I/O ERROR FOLLOWING *mod*

*sysact* is one of the following:

- MODULE IGNORED
- SKIPPING TO NEXT GROUP
- LIST TERMINATED

During initial program load (IPL), the system detected one or more errors while processing the link pack area (LPA) packing list member, IEAPAKxx, of the parmlib.

In the message text:

#### MODULE *mod* HAS INVALID RMODE

The system found that the residence mode (RMODE) for module *mod* is different from the RMODE for the group containing the module. The RMODE for a group is the RMODE of the first module in the group.

#### DELIMITER FOLLOWING *mod* INVALID

The left parenthesis before a group of module names is missing, or the right parenthesis after a group is missing, or a blank is not preceded by a left parenthesis or comma. *mod* is the last valid module name before the error. *mod* is \*\*\*START if no valid module names preceded the error.

#### NAME FOLLOWING *mod* IMPROPER

A module name in the list has more than eight characters. *mod* is the last valid module name before the error. *mod* is \*\*\*START if no valid module names preceded the error.

#### *mod* INVALID

Module *mod* is not in the directory of SYS1.LPALIB, is the name of an alias (not a module), or is specified more than once in the LPA packing list.

**I/O ERROR FOLLOWING *mod***

An I/O error occurred while the system was reading the list. *mod* is the last valid module name before the I/O error. If no valid module names preceded the error.

***sysact***

*sysact* is one of the following:

**MODULE IGNORED**

Module *mod* is ignored. The system continues processing the list.

**SKIPPING TO NEXT GROUP**

The system scans the list from the error to the next right parenthesis, which ends the group. The modules in the group before the error are processed as the only modules in the group. Processing then continues with the start of the next group.

**LIST TERMINATED**

The modules in the group before the error are processed as the only modules in the group. The system then ends processing of the LPA packing list and continues processing as though it had reached the end of the LPA packing list normally.

**System Action:** See *sysact* in the description above for the system action.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNPC5

---

**IEA358A      LPALIB MODULE *mod* IS  
NON-EXECUTABLE. PRESS ENTER TO  
CONTINUE, OR RE-IPL THE SYSTEM**


---

**Explanation:** Module *mod* on SYS1.LPALIB (or a library specified in the LPALSTxx parmlib member) is marked non-executable and cannot be loaded into the system link pack area (LPA).

In the message text:

*mod*      The specified module.

**System Action:** The system prompts the operator for a reply. If the reply is ENTER, the system continues processing. The system does not place the non-executable module into the LPA.

**Operator Response:** Report this message to the system programmer. Either press ENTER to have the IPL continue or reIPL after the system programmer has fixed the error. Note that pressing ENTER to continue the IPL means that the specified module will not be placed into the LPA.

**System Programmer Response:** Replace the non-executable module with processible versions.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNPC5

---

**IEA359E      BUFFER SHORTAGE FOR RETAINED  
ACTION MESSAGES - 80% FULL**


---

**Explanation:** The action message retention facility (AMRF) is active, and 80% of the buffer area for the following messages is full:

- Immediate action messages (with descriptor codes 1 and 2)
- Non-critical eventual action messages (with descriptor code 3)
- Critical eventual action messages (with descriptor code 11)
- Write to operator with reply messages (WTORs)

**System Action:** The system continues to retain immediate action and eventual action messages.

**Operator Response:** Enter the DISPLAY R command to display information about all outstanding immediate action and eventual action messages. Delete messages by:

- Responding to messages requesting an action.
- Entering the CONTROL C command. See the *z/OS MVS System Commands* book for the syntax of the CONTROL C command.

**Note:** When enough messages are deleted so that the buffer area is less than 75% full, the system issues message IEA361I and deletes message IEA359E.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVMQWR

---

**IEA360A      SEVERE BUFFER SHORTAGE FOR  
RETAINED ACTION MESSAGES - 100%  
FULL**


---

**Explanation:** The action message retention facility (AMRF) is active, and the buffer area for the following messages is full:

- Immediate action messages (with descriptor codes 1 and 2)
- Non-critical eventual action messages (with descriptor code 3)
- Critical eventual action messages (with descriptor code 11)
- Write to operator with reply messages (WTORs)

**System Action:** The system no longer retains non-critical eventual action messages. The system issues message IEA360A if console message buffers (WQEs) begin to back up.

When the WQE buffer shortage is no longer critical, the system deletes message IEA405E and IEA404A and issues message IEA361I. The system retains new immediate action and critical eventual action messages and keeps them in the common service area (CSA).

**Operator Response:** Enter the DISPLAY R command



## IEA361I • IEA364E

to display the details of all outstanding immediate action and eventual action messages. Delete messages by:

- Responding to messages requesting an action
- Entering the CONTROL C command. See the *z/OS MVS System Commands* book for the syntax of the CONTROL C command.

If a shortage still exists, you might want to deactivate the AMRF by entering the CONTROL M,AMRF=N command.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVMQWR

---

### IEA361I      BUFFER SHORTAGE RELIEVED FOR RETAINED ACTION MESSAGES

**Explanation:** The number of retained action messages was reduced so that the buffer is now less than 75% full. This message is preceded by message IEA359E or both IEA359E and IEA360A, which indicated the extent of the buffer shortage.

**System Action:** The system continues processing. The system deletes messages IEA359E and IEA360A.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVMQWR

---

### IEA362E      BUFFER EXTENSION FAILED FOR RETAINED ACTION MESSAGES

**Explanation:** The action message retention facility (AMRF) is active, the system could not obtain additional buffers, and the buffer area for the following messages is full:

- Immediate action messages (with descriptor codes 1 and 2)
- Non-critical eventual action messages (with descriptor code 3)
- Critical eventual action messages (with descriptor code 11)

**System Action:** The system retains any new immediate action messages and critical eventual action messages in the common service area (CSA). The system no longer retains non-critical eventual action messages.

The system issues messages IEA405E and IEA404A if console message buffers (WQE) start to back up. The system deletes message IEA362E if the buffer shortage is relieved.

**Operator Response:** Enter a DISPLAY R command to display the details of all outstanding immediate action and eventual action messages. If a shortage still exists, you may want to deactivate the AMRF by entering the CONTROL M,AMRF=N command. If the problem persists, contact the system programmer.

**System Programmer Response:** Check for a

shortage of storage in the master scheduler address space.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVMQWR

---

### IEA363I      *mod* NOT FOUND IN LPA

**Explanation:** The nucleus initialization program (NIP) could not find the module in the link pack area (LPA).

In the message text:

*mod*      The specified module.

**System Action:** Except during special NIP processing, the system indicates which function was made inoperative by issuing message IEA208I, and then it continues processing. If the system cannot continue processing without the module, the system enters wait state X'03B'.

**Operator Response:** This is probably an installation error. Notify the system programmer.

**Application Programmer Response:** Ensure that the missing routine is in the LPA. If necessary, add the module to the SYS1.LPALIB and have the operator run a cold start.

The module must be defined in the parmlib list referenced by the modified link pack area (MLPA) or FIX option, if either of these options is used.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNPS5, IEAVNP05, IEAVNP07

---

### IEA364E      {AMRF [RESTART][MPF] FAILED, INACTIVE {RETAINED MESSAGES DELETED}[MPF TABLE DELETED]}.

**Explanation:** One of the following appears in the message text:

#### AMRF FAILED, INACTIVE - RETAINED MESSAGES DELETED

The action message retention facility (AMRF) failed because of a system error.

#### MPF FAILED, INACTIVE - MPF TABLE DELETED

The message processing facility (MPF) failed because of a system error. The error occurred in the MPF table scan routine.

**System Action:** Depending on the message text, one of the following:

#### AMRF FAILED, INACTIVE - RETAINED MESSAGES DELETED

The system no longer retains action messages if

the facility was active before the failure occurred. Messages that were retained previously are no longer available.

#### **MPF FAILED, INACTIVE - MPF TABLE DELETED**

The system deletes the message table. The MPF is inactive.

**Operator Response:** If the AMRF failed and you want to restart it, enter the CONTROL M,AMRF=Y command.

If the MPF failed and you want to reactivate it, enter the SET MPF=xx command, where xx is the last two digits of an MPFLSTxx parmlib member.

If either problem recurs, contact the system programmer.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVMQWR

---

**IEA365E      COMMAND SCHEDULER RESTART  
                 FAILED,**

**ABEND RECURSION  
                 THE FOLLOWING  
                 COMMANDS ARE INOPERATIVE:  
                 D C D C,K D PFK D R REPLY  
                 D OPDATA ROUTE TRACE MCS  
                 LOGON  
                 MCS LOGOFF**

**Explanation:** Command processing failed. The system tried to restart it, but the restart also failed.

This message follows message IEE481I, which identifies the system abend code of the original error.

**System Action:** The system continues other processing.

**Operator Response:** If necessary, reIPL the system to return the system to full processing.

**System Programmer Response:** See the system programmer response for the abend identified in message IEE481I.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN701

---

**IEA366W      MULTIPLE CONSOLE SUPPORT  
                 INOPERATIVE-WAIT STATE 201 - REIPL**

**Explanation:** Because of a failure, multiple console support (MCS) is not working.

**System Action:** System initialization stops. The system writes an SVC dump and enters wait state X'201'.

**Operator Response:** See the operator response for wait state X'201'.

**System Programmer Response:** See the system programmer response for wait state X'201'.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN700

---

**IEA367A      MULTIPLE CONSOLE SUPPORT  
                 INOPERATIVE ERROR CODE = xxxx  
                 REPLY WITH ANY CHARACTER TO  
                 CONTINUE WITHOUT MULTIPLE  
                 CONSOLE SUPPORT**

**Explanation:** Because of an error, the communications task (COMMTASK) failed.

In the message text:

xxxx      The reason code, which is one of the following:

- |             |                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------|
| <b>8001</b> | The system could not establish a recovery routine.                                                                  |
| <b>8002</b> | The system could not attach a needed routine.                                                                       |
| <b>8003</b> | The error occurred during a POST.                                                                                   |
| <b>8004</b> | The error occurred during a POST.                                                                                   |
| <b>8005</b> | The error occurred during an update to the command address space table.                                             |
| <b>8006</b> | The error occurred during an operator request to activate an extended multiple console support (MCS) console class. |
| <b>8007</b> | The error occurred during a POST.                                                                                   |
| <b>8008</b> | The error occurred when the system tried to issue a Supervisor Call (SVC).                                          |
| <b>Fccc</b> | An error occurred; the system issued abend code ccc.                                                                |

**System Action:** The system prompts the operator for a reply.

**Operator Response:** Do one of the following:

- To continue processing with MCS, reIPL the system with MCS.
- To request that processing continue without MCS, reply with any character. Note that in this case, all 3270 consoles will be non-functional, but programs that are processing that do not need to interact with a console operator will be able to continue.

**System Programmer Response:** If Fccc appears, see the system programmer response for the abend code ccc.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN701

## IEA368I • IEA377D

---

### IEA368I      INVALID RECORD IN *memname*. FIRST 17 BYTES ARE xxxxxxxxxxxxxxxxx

**Explanation:** During system initialization, the system found an incorrect record in the *memname* parmlib member. The system cannot process the keyword.

In the message text:

<i>memname</i>	The parmlib member containing an incorrect record. <i>memname</i> is one of the following:
	• LOADxx
	• NUCLSTxx
xxxxxxxxxxxxxxxxxx	The first seventeen characters in the incorrect record.

**System Action:** The system ignores the incorrect record and system initialization continues.

**Operator Response:** Notify the system programmer. Provide the parmlib member name, *memname*, and the incorrect record.

**System Programmer Response:** Correct the incorrect record in parmlib member *memname*.

If the record is correct, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Initial program load (IPL)

**Detecting Module:** IEAIPL50

---

### IEA370I      MASTER CATALOG SELECTED IS MASTER CATALOG *name*

**Explanation:** The system issues this message during system initialization to display the name of the catalog selected as the master catalog. The master catalog is from the SYSCATxx member of SYS1.NUCLEUS. The operator specified the name of the catalog for use as the master catalog in response to system message IEA347A.

**System Action:** Processing continues

**Source:** Nucleus initialization program (NIP)

---

### IEA371I      *data-set* ON DEVICE *nnnn* SELECTED FOR IPL PARAMETERS

**Explanation:** During system initialization, the system selected data set *dataset* containing the IPL parameters.

In the message text:

<i>data-set</i>	The data set containing the IPL parameters. The data set is one of the following:
	• SYS1.PARMLIB

- SYS*n*.IPLPARM

*nnnn*      The device number where the IPL parameter data set was located.

**System Action:** System initialization continues with the IPL parameters found in data set *data-set*.

**Source:** System initialization (IPL)

**Detecting Module:** IEAIPL50

---

### IEA372I      *module* EXCLUDED FROM NUCLEUS

**Explanation:** An EXCLUDE statement in the NUCLSTxx parmlib member specified that module *modname* be excluded from the nucleus.

In the message text:

*module*      The module excluded from the nucleus.

**System Action:** System initialization continues.

**Source:** Initial program load (IPL)

**Detecting Module:** IEAIPL42

---

### IEA376I      VIODSN PARAMETER IS 'IGNORE'. NO VIO JOURNALING

**Explanation:** The value of the VIODSN parameter in the IEASYSxx parmlib member used for this IPL is 'IGNORE' or null, which means that no VIO journaling will take place.

**System Action:** IPL continues. The system rejects journaling requests for VIO data sets.

**Operator Response:** If VIO journaling is necessary, re-IPL at direction of system programmer, specifying a VIO journaling data set name for the VIODSN parameter.

**System Programmer Response:** Ensure that VIO journaling is not required. If it is needed, specify VIODSN in IEASYSxx.

**Source:** Auxiliary Storage Manager (ASM)

**Detecting Module:** ILRASRM2

---

### IEA377D      REPLY VIO JOURNALING DATA SET NAME OR 'IGNORE'

**Explanation:** This message allows the operator to respecify the VIO journaling data set name or indicate that journaling of VIO data sets is not necessary.

**System Action:** The system waits for the operator to reply. If the operator replies with a new data set name, the system processes the data set.

If the operator replies IGNORE, or gives a null reply, message IEA378I is displayed and the IPL continues. The system rejects journaling requests for VIO data sets.

**Operator Response:** Enter one of the following:

*dsname*

**DSN**=*dsname*

**VIODSN**=*dsname*

To specify a VIO journaling data set name.

**IGNORE**

**null**

To specify that VIO journaling is not necessary.

If VIO journaling is necessary, reIPL at the direction of the system programmer, specifying the VIODSN parameter.

**System Programmer Response:** Ensure that VIO journaling is not required. If it is needed, specify VIODSN in IEASYSxx.

**Source:** Auxiliary Storage Manager (ASM)

**Detecting Module:** ILRASRM2

---

**IEA378I REPLY TO IEA377D IS 'IGNORE' OR NULL. NO VIO JOURNALING**

**Explanation:** The reply to the message IEA377D indicates that system initialization should continue without VIO initialization.

**System Action:** The IPL continues. The system will reject journaling requests for VIO data sets.

**Operator Response:** If VIO journaling is necessary, re-IPL at the direction of the system programmer.

**System Programmer Response:** Ensure that VIO journaling is not required. If it is needed, specify VIODSN in IEASYSxx.

**Source:** Auxiliary Storage Manager (ASM)

**Detecting Module:** ILRASRM2

---

**IEA379I VIODSN=*dsname*, DATA SET NOT CATALOGED - *reg15***

**Explanation:** The data set name specified in the VIODSN parameter in IEASYSxx could not be located in the system catalog.

The message text, *reg15* is the value returned from SVC 26 in Register 15.

**System Action:** Message IEA377D is issued. If the operator replies with a new data set name, the system processes the data set. If the operator replies IGNORE, or gives a null reply, message IEA378I is displayed and the IPL continues. The system will reject journaling requests for VIO data sets.

**Operator Response:** Reply to message 377D with VIO journaling data set name or IGNORE.

**System Programmer Response:** If VIO journaling is required, supply the VIO journaling data set name in the VIODSN parameter of IEASYSxx before the next IPL.

**Source:** Auxiliary Storage Manager (ASM)

**Detecting Module:** ILRASRM2

---

**IEA400I NSYSLX VALUE, *value*, NOT VALID, DEFAULT OF *number* USED**

**Explanation:** During system initialization, the number of system linkage indexes, NSYSLX, was incorrectly specified in one of two ways:

- In the IEASYSxx parmlib member
- In the operator response to message IEA101A

In the message text:

*value* The incorrect NSYSLX value, which is less than 10 or greater than 512

*number* The default value for NSYSLX. This is currently 165.

**System Action:** Initialization continues with the default NSYSLX value of 165.

**Operator Response:** In response to message IEA101A, enter a new NSYSLX value specified by the system programmer. If message IEA101A does not appear, reIPL to enter a correct value.

**System Programmer Response:** Respecify the number of system linkage indexes by doing one of the following:

- Ask the operator to enter a correct value in response to message IEA101A.
- Correct the value specified in the IEASYSxx member.

**Source:** Supervisor control

**Detecting Module:** IEAVNPO9

---

**IEA401I SDUMP NOT SCHEDULED FOR REMOTE DUMP. INCIDENT TOKEN:*intoken* REASON - *reason***

**Explanation:** The system was unable to write an SVC dump for another system in a sysplex.

In the message text:

*intoken* The incident token for the dump. The token contains the name of the sysplex, the name of the system that originated the dump request, and the date and time of the request.

*reason* One of the following:

**DUMP=NO WAS SET AT IPL OR INDICATED BY CHNGDUMP**

The installation indicated that no SVC dumps are to be written.

**NO SRBS COULD BE SCHEDULED TO START THE DUMP**

A system error occurred.

**SVC DUMP ABNORMALLY TERMINATED**

A system error occurred.

## IEA402A • IEA404A

### A STATUS STOP SRBS CONDITION WAS DETECTED

A system error occurred.

### NO STORAGE AVAILABLE

The system could not acquire the storage needed to build the dump request; no dump was written.

### UNKNOWN

A system error occurred.

**System Action:** The system continues processing but does not write the requested SVC dump.

This message is sent to the console on which the DUMP command was entered or, if the dump was requested by another system in the sysplex but not by a DUMP command, to console ID 0.

**System Programmer Response:** Determine why the system could not write an SVC dump requested by another system in the sysplex. If the problem cannot be corrected, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** SVC dump

**Detecting Module:** IEAVTSIT

---

### IEA402A REPLY ID PROCESSING ERROR. *text*

**Explanation:** Where *text* can be one of the following:

- XCF RETURN CODE xxxxxxxx, REASON CODE yyyyyyy  
During WTOR or DOM processing, an unexpected return code was received from XCF. The XCF return and reason code are displayed in hexadecimal.
- ATTEMPT TO OBTAIN STORAGE FAILED  
During WTOR or DOM processing, it was not possible to obtain storage necessary to complete the operation.

**System Action:** For WTOR processing, if possible, a reply ID is assigned. For DOM processing, the reply ID is released and processing continues.

**Operator Response:** Contact your systems programmer.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. If the problem is due to unexpected return codes from XCF, supply the XCF return and reason codes.

**Source:** Master scheduler

**Detecting Module:** IEAVM616

---

### IEA403I VALUE OF RMAX HAS BEEN CHANGED TO 99

**Explanation:** The maximum number of systems which could enter this sysplex is more than 8. The value of RMAX was less than 99. The system has increased RMAX to 99.

**Operator Response:** Contact the system programmer.

**System Programmer Response:** Review the value of RMAX in CONSOLxx, and increase if necessary.

---

### IEA404A SEVERE WTO BUFFER SHORTAGE - 100% FULL

**Explanation:** The number of write to operator (WTO) messages is at the limit value specified in the MLIM parameter of a CONSOLxx parmlib member.

**System Action:** The system puts non-privileged jobs issuing messages in a wait state (if they did not specify a busy exit return) until the number of WTOs is reduced below the buffer limit.

**Operator Response:** Enter the DISPLAY CONSOLES command. If the system has accumulated a large number of WTO messages, do one or more of the following:

- Enter the CONTROL Q command to reroute the messages.
  - Enter the CONTROL E,D command if CONTROL Q does not reroute the messages.  
ATTENTION: Messages already queued to a display area will not be deleted by a CONTROL Q. Enter CONTROL E,D to erase these messages if the CONTROL Q command does not relieve the shortage.
- Enter the CONTROL S command to delete a specified number of messages.
- Enter the CONTROL M,MLIM command to increase the value of the WTOR buffer limit.
- Put the display console in roll mode to let a specified number of messages roll off the screen at a specified time interval.
- Respond to any messages requesting an operator action.

**System Programmer Response:** Before the next system initialization, increase the value of MLIM in the CONSOLxx parmlib member to increase the maximum number of buffers that WTO messages can use.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVMQWR

---



**IEA405E      WTO BUFFER SHORTAGE - 80% FULL**

**Explanation:** The number of write to operator (WTO) messages is 80% of the limit value specified in the MLIM parameter of a CONSOLxx parmlib member.

**System Action:** Processing continues. Consoles that are currently in HOLD mode and have messages waiting are taken out of HOLD mode. The system will no longer hold messages for other systems in the sysplex. If another system is experiencing a WTO buffer shortage, this system will resume sending messages to the constrained system. The system issues a D C,B command and a D EMCS,ST=B,L=Z command.

**Operator Response:** Enter the DISPLAY CONSOLES command. If the console has accumulated a large number of WTO messages, do one or more of the following:

- Enter the CONTROL Q command to reroute the messages.
- Enter the CONTROL S command to delete a specified number of messages.
- Enter the CONTROL M,MLIM command to increase the value of the WTO buffer limit.
- Put the display console in roll mode to let a specified number of messages roll off the screen at a specified time interval.
- Respond to any messages requesting an operator action.

**System Programmer Response:** Before the next system initialization, increase the value of MLIM in the CONSOLxx parmlib member to increase the maximum number of buffers that WTO messages can use.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVMQWR

**IEA406I      WTO BUFFER SHORTAGE RELIEVED**

**Explanation:** The shortage of buffers for write to operator (WTO) messages was relieved. The system issued message IEA405E and/or IEA404A to indicate the shortage.

**System Action:** The system continues processing. The system resumes normal message processing.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVMQWR

**IEA407I      DIRECTORY ENTRY FOR MODULE  
mem INVALID IN SYS1.LPALIB**

**Explanation:** The nucleus initialization program (NIP) found an incorrect directory entry for a member of SYS1.LPALIB while attempting to build the link pack directory from SYS1.LPALIB.

In the message text:

*mem*      A member of SYS1.LPALIB

**System Action:** Processing continues with the next member. The system will resume holding messages for the other system in the sysplex. If another system is experiencing a WTO buffer shortage, this system will hold its messages instead of sending them to the constrained system.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Determine the cause of the incorrect directory entry, and link-edit the member of SYS1.LPALIB again, if necessary.

**Source:** System initialization (IPL/NIP)

**IEA411I      SLIP TRAP ID=xxxx DISABLED FOR  
MATCHLIM**

**Explanation:** The SLIP trap with ID of xxxx matched N times, where N is equal to or greater than the matchlim value specified on the trap. The trap is disabled.

**System Action:** The trap is disabled.

**Source:** SLIP

**Detecting Module:** IEECB941

**IEA412I      SLIP TRAP ID=xxxx, x SDUMPS NOT  
SCHEDULED. RETURN CODE=nn  
REASON CODE=mm |  
RETURN/REASON CODES NOT  
AVAILABLE**

**Explanation:** The event specified for a SLIP trap occurred. The trap requested an SVC dump. When SLIP processing requested one or more dumps for the trap, one of the following occurred:

- The internal resources required to process the SVC dumps are not available. The resources are currently being used for another SVC dump. This situation may occur if the SUMLIST or LIST parameter is specified on the SLIP command. The return/reason codes may not be available.
- Another dump is in progress.
  - If the message contains the text RETURN CODE=nn REASON CODE=mm, then the dump in progress is not related to the dump requested by the slip trap.

However, if the message contains the text RETURN/REASON CODES NOT AVAILABLE, then this slip trap has matched multiple times in quick succession. In this case, the first match successfully scheduled the dump. Subsequent matches tried unsuccessfully to schedule the dump, producing IEA412I. IEA412I can be ignored in this case.

Note that if the time between matches is sufficiently small, a trap can match multiple times even if matchlim is 1.

## IEA413I • IEA415I

- The system is set to ignore requests for SVC dumps.

See *z/OS MVS Programming: Authorized Assembler Services Reference LLA-SDU* for details on the return and reason codes.

In the message text:

xxxx The ID of the matching trap.  
x The number of dumps that were not scheduled.  
nn The return code from the first failing SDUMP invocation.  
mm The reason code from the first failing SDUMP invocation.

For additional details on the return and reason codes, see the SDUMP macro in *z/OS MVS Programming: Authorized Assembler Services Reference LLA-SDU*.

**System Action:** The system continues processing, but does not write the requested SVC dumps.

**Source:** SLIP

**Detecting Module:** IEECB909

---

### IEA413I SLIP TRAP ID=xxxx DATA UNAVAILABLE

**Explanation:** While checking for a match for a SLIP trap, SLIP processing was unable to access the data specified by the DATA parameter on the SLIP command. The reason is either:

- The data is paged out.
- An indirect pointer to the data is paged out.

In the message text:

ID=xxxx  
The SLIP trap identifier specified on the SLIP command.

SLIP counts the number of times the data is unavailable to determine how often this message is issued:

- For a program event recording (PER) trap, this message is issued only the first time the data is unavailable.
- For a non-PER trap, this message is issued each time the data is unavailable.

**System Action:** The system continues SLIP processing. The trap does not match.

**Operator Response:** Enter the DISPLAY SLIP=xxxx command to display the current value of the unavailable data counter.

**Source:** SLIP

**Detecting Module:** IEECB909

---

### IEA414I SLIP UNABLE TO DEACTIVATE PER

**Explanation:** SLIP processing could not deactivate program event recording (PER). The reason is either:

1. While trying to deactivate PER in the system, SLIP encountered an error because of a previous error. Message IEE743I precedes this message.
2. While trying to deactivate PER when a job step task or address space was ending, SLIP encountered an error.

The status of the following resources that control PER is unknown:

- PER control registers
- PER bit in the old program status words (PSW) for each system
- PER bit in the PSWs that are stored in request blocks (RB)
- PER bit in the new PSWs for SVC, external, and I/O interruptions for each system
- PER bit in the address space control block (ASCB) for each address space

Thus, PER interruptions might continue to occur. They will not be processed by SLIP but can slow system performance.

**System Action:** The system writes a logrec data set error record. The system also does the following:

- For case 1, the system writes an SVC dump.
- For case 2, because of the state of the system, the system does not write an SVC dump.

**Operator Response:** If the system programmer asks for an SVC dump, set a SLIP trap.

**System Programmer Response:** Do the following:

1. Try to correct the status of the resources that control PER by setting and then disabling a PER trap for an address space that is not currently active in the system.
2. If the status of the resources cannot be corrected, monitor the performance of the system to be sure it is operating within acceptable limits.
3. Search problem reporting data bases for a fix for the problem. If no fix exists, report the problem to the IBM Support Center. Provide the SVC dump. If an SVC dump is not produced with the abend, ask the operator to set a SLIP to obtain an SVC dump.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTGLB, IEAVTPVT

---

### IEA415I SLIP ERROR ATTEMPTING TO ACTIVATE/DEACTIVATE PER, DUMP SCHEDULED

**Explanation:** SLIP processing encountered an error while attempting to activate or deactivate program event

recording (PER) in an address space. The accompanying SVC dump identifies the address space.

The status of PER in the address space is unknown; consequently:

- If the error occurred while SLIP processing was attempting to set or enable a PER trap, the trap might not be monitoring this address space.
- If the error occurred while SLIP processing was attempting to disable or delete a PER trap, PER interruptions might continue to occur in this address space. They will not be processed by SLIP but can slow system performance.

**System Action:** The system writes an SVC dump.

**System Programmer Response:** Do the following:

- Try to correct the status of PER in the address space as follows:
  - If the error occurred while SLIP processing was attempting to set or enable a PER trap, ask the operator to enter SLIP MOD commands to disable the same trap and then enable it.
  - If the error occurred while SLIP processing was attempting to disable or delete a PER trap, ask the operator to enter SLIP SET and SLIP MOD commands to set and then disable a PER trap for an address space that is not currently active in the system.
- If the status of PER cannot be corrected, search problem reporting data bases for a fix for the problem. If no fix exists, report the problem to the IBM Support Center. Provide the SVC dump.

**Source:** SLIP

**Detecting Module:** IEAVTGLB

#### IEA416W      SYSTEM TRACE INITIALIZATION TERMINATED DUE TO AN ERROR.

**Explanation:** An error occurred during the creation of the system trace address space or during the initialization of the system trace function. The system trace function returned a nonzero return code.

**System Action:** The system enters nonrestartable wait state X'023'.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** See the system programmer response for wait state X'023'.

**Source:** System Trace

#### IEA421E      START STOPPED PROCESSORS

**Explanation:** The system has recovered.

**System Action:** The system continues processing. This message is not removed automatically from a display console, and must be manually removed.

**Operator Response:** Restart the systems stopped during the recovery processing. Remove this message from the display console.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVNP51, IECVIRST, IECVFCHN

#### IEA422I      ABEND IN IEAVTJBN DURING PROCESSING FOR SLIP

**Explanation:** SLIP processing encountered an error while determining if program event recording (PER) should be active for a particular address space. The accompanying SVC dump identifies the address space.

The status of PER in the address space is unknown; consequently:

- PER might not be active in the address space in which it should be active.
- PER might be active in an address space in which it should not be active. PER interruptions might continue to occur in this address space. They will not be processed by SLIP but can slow system performance.

**System Action:** The system writes a logrec data set error record and an SVC dump.

**System Programmer Response:** Do the following:

1. Enter the SLIP trap again, specifying either:
  - ACTION=IGNORE ASID=NONE to ignore the address space on the SLIP trap.
  - ASID=asid to trap the address space.
2. If the problem continues, search problem reporting data bases for a fix for the problem. If no fix exists, report the problem to the IBM Support Center. Provide the SVC dump, the logrec data set error records, and messages.

**Source:** SLIP

**Detecting Module:** IEAVTJBN

#### IEA423I      ERROR IN IEECB915

**Explanation:** An error occurred during SLIP processing.

**System Action:** The system ends SLIP processing. The system writes a logrec data set error record.

The system holds the messages generated by SLIP processing until the command processing component receives control; for example, when a SLIP trap is deleted.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, report the problem to the IBM Support Center. Provide the logrec data set error record and messages.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEECB915

---

**IEA424I      SLIP ERROR DURING PER  
ACTIVATION/DEACTIVATION, MODEL  
PSA NOT UPDATED**

**Explanation:** SLIP processing was not able to page-fix the model prefix save area (PSA). Therefore, SLIP could not update:

- The PER bit in the external program status word (PSW) in the model PSA
- The PER bit in the Supervisor Call (SVC) PSW in the model PSA
- The PER bit in the I/O new PSW in the model PSA

If the system on which SLIP was running is varied online, the PER bits associated with that system will be incorrect.

**System Action:** The system issues messages about the problem.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, report the problem to the IBM Support Center.

**Source:** SLIP

**Detecting Module:** IEAVTGLB

---

**IEA425I      SLIP ERROR DURING PER  
ACTIVATION, CROSS MEMORY  
SUPPORT IS INCOMPLETE**

**Explanation:** SLIP processing was activating a program event recording (PER) trap. Because the SLIP command did not specify IGNORE, the trap was to be active immediately. SLIP processing activated PER, but cross memory support was incomplete. Therefore, SLIP processing does not intercept any cross-memory-set-initiated address space changes.

The following occurs:

- If the SLIP trap was defined with the ASID parameter but without the MODE=HOME parameter, important data may not be trapped.
- In all other cases, the trap captures the desired information, but SLIP processing may slow system performance slightly.

**System Action:** The system continues processing.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Make sure the SLIP trap was specified correctly.

**Source:** SLIP

**Detecting Module:** IEECB909

---

**IEA426I      SLIP TRAP ID=xxxx  
ACTION=SYNCSVCD CANNOT BE  
PERFORMED; ACTION=SVCD DONE.**

**Explanation:** An active SLIP trap specified program event recording (PER) and an action of SYNCSVCD. The PER interrupt occurred while the system was:

- Disabled
- Locked
- In service request block (SRB) mode

ACTION=SYNCSVCD can be performed only when the system is:

- Enabled
- Unlocked
- In task mode

Rather than taking no diagnostic action, SLIP schedules an SVC dump with ACTION=SVCD.

In the message text:

**ID=xxxx**

The SLIP trap identifier specified on the SLIP command.

**System Action:** The system schedules an SVC dump. The interrupted unit of work regains control and the system continues processing.

**Operator Response:** Reset the SLIP trap, as specified by the system programmer.

**System Programmer Response:** Do one of the following:

- If the PER interrupt occurred for an incorrect event, ask the operator to reset the trap and specify additional filtering keywords.
- If the interrupt was supposed to occur while the system was disabled, locked, or in SRB mode, ask the operator to reset the trap and specify ACTION=SVCD rather than ACTION=SYNCSVCD.

**Source:** SLIP

**Detecting Module:** IEAVTSLT

---

**IEA430E      dev, MAINTENANCE REQUIRED,  
ACTION CODE = ac**

**Explanation:** A device returned an I/O error with an action code. The device can run in degraded mode, but it will eventually require maintenance.

In the message text:

*dev*

The device number.

*ac* Action code X'5' or X'B'.

**System Action:** The system continues processing.

**Operator Response:** See the book for the device type for an explanation of the action code. Contact hardware support, if needed.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IGE0002G

---

**IEA431A**     *dev*, **POSSIBLE LOST DATA, ACTION CODE = *cc***

**Explanation:** A device returned an I/O error with an action code. The system may not have printed one or more print lines.

In the message text:

*dev*

The device number.

*cc* Action code X'2', X'6', or X'B'.

**System Action:** The system issues the failing channel command word (CCW) again.

**Operator Response:** See the book for the device type for an explanation of the action code. To recover missing output, backspace the JES writer or rerun the job. Contact hardware support, if needed.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IGE0002G

---

**IEA432I**     *sysa* **IS REMOVING *sysb* FROM THE SYSPLEX. *sysa* IS EXPERIENCING STORAGE SHORTAGES.**

**Explanation:** System *sysb* is attempting to join the sysplex. However, system *sysa* cannot obtain enough storage to maintain a view of *sysb* that is consistent with other systems in the sysplex.

In the message text:

*sysa* An active system in the sysplex.

*sysb* A system that is attempting to join the sysplex.

**System Action:** System *sysa* removes the joining system from the sysplex. The joining system enters wait state code X'087'.

**Operator Response:** Relieve the storage constraint on *sysa*, then relPL *sysb*.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVG607

---

**IEA434I**     **DEVICE ONLINE IS NOT ALLOWED,**  
*reason*

**Explanation:** During VARY ONLINE command processing, the device service exit determined that the device is not allowed to become online for the *reason* specified. (Example, SPARE DEVICE).

**System Action:** The device remains offline.

**System Programmer Response:** Check the system configuration to determine if the device number is correct.

**Source:** DFSMSdfp

---

**IEA435I**     **PHYSICAL DEVICE INCONSISTENT WITH LOGICAL DEFINITION**  
**[PHY=*pdevtype* LOG=*ldevtype*]**

**Explanation:** During VARY,ONLINE command processing, the device service exit determined that the physical device type was not compatible with the logical device type defined in the I/O configuration.

If PHY=*pdevtype* LOG=*ldevtype* appears in the message, there are mismatches between the hardware configuration and the device definition in HCD.

In the message text:

*pdevtype*

The physical device type

*ldevtype*

The logical device type defined in the I/O configuration.

*text*

Additional message text.

Additional message information is issued if there is a conflict in the way the tape device has been defined through the HCD and the physical attributes of the device as reported through initialization I/O. The reasons for this conflict are reported through the explanatory text that is appended to the message. The reasons are:

#### **HCD DEVICE DEFINITION AT VARIANCE WITH RDC DATA**

The device is defined through HCD as one type of device but RDC data indicates a different type of device.

**System Programmer Response:** Correct the HCD device definitions to match the device type of the device physically attached to the system.

#### **DEFINED WITH COMPACTION, BUT FEATURE NOT PRESENT**

The HCD definition for the device is at variance with the actual attribute of the device with respect to compaction.

**System Programmer Response:** Correct the HCD device definitions to match the device type of the device physically attached to the system.

#### **3590 DRIVE DETECTED BUT NOT ALL 3590 SUPPORT IS PRESENT**

Support for the 3590-E1x drives was shipped through PTF UW90622. If this PTF is not installed, this message will be issued.

**System Programmer Response:** Install the required maintenance.



**3590 IN 3490 EMULATION MODE NOT ALLOWED IN ATLDS**

3590 tape devices that are operating in their 3490 emulation mode are not supported in the ATLDs.

**System Programmer Response:** Take the device out of that emulation mode and attach the device at the appropriate address for its device type.

**INITIALIZATION I/O FAILED**

Initialization I/O required to successfully initialize a tape device has failed.

**System Programmer Response:** Determine the cause of the failure.

**SENSE ID I/O INDICATES UNSUPPORTED DEVICE TYPE**

Sense ID I/O was successfully issued to the device and the resulting information indicates a device type that is not recognized by the system.

**System Programmer Response:** Correct the HCD device definitions to match the device type of the device physically attached to the system.

**System Action:** The device remains offline.

**System Programmer Response:** Correct the HCD device definitions to match the device type of the device physically attached to the system. See also *text* above for any other response needed, due to the additional explanatory text.

**Source:** DFSMSdfp

**IEA436I I/O ERROR DURING DEVICE INITIALIZATION**

**Explanation:** During VARY,ONLINE command processing, the device service exit received an unexpected I/O error while attempting to obtain the physical device characteristics.

This message can also be seen if an older device that does not support the SENSE ID CHANNEL command is attached to an incompatible UCB type; in other words, the physical device does not match the logical device.

**System Action:** The device remains offline.

**Operator Response:** Use established procedures for reporting a hardware error. If this appears to be a mismatch of logical and physical device types, notify the system programmer.

**System Programmer Response:** If the logical device and physical device are not compatible, correct the HCD device definitions.

**Source:** DFSMSdfp

**IEA437I TAPE LIBRARY DEVICE(*dev*), *text***

**Explanation:** Initialization for an ATLDs device failed. The device will not be brought online until the cause of the failure is corrected.

In the message text:

*dev* The number of the failing ATLDs device

*text* One of the following:

**LIBRARY INTERFACE IS OFFLINE**

The hardware communication path between the tape control unit and the library manager has not been established.

**Recovery Action:** Contact your hardware service representative to restore the communication path to the library manager.

**RETURNED A ZERO LIBRARY-ID**

The hardware communication path between the tape control unit and the library manager has been established, but the library manager returned an incorrect library-id (zeroes) to the host.

**Recovery Action:** Contact your hardware service representative to repair the library manager.

**INITIALIZATION FAILURE**

The device was defined with HCD as a LIBRARY device, but the host was unable to obtain library information from the device. The channel program command that failed was Read Device Characteristics (RDC).

**Recovery Action:** Contact your hardware service representative to determine the cause of the RDC failure.

**UNAVAILABLE TO LIBRARY MANAGER**

The hardware communication path between the tape control unit and the library manager has been established, but the library manager has 'marked' the device unavailable.

**Recovery Action:** Contact your hardware service representative to repair the device and restore its availability to the library manager.

**HCD(xxxxx-xx),DEVICE(xxxxx-xx)**

During device initialization, it was found that the LIBRARY-ID and LIBPORT-ID specified to HCD do not match the LIBRARY-ID and LIBPORT-ID that were assigned to the hardware during installation.

**Recovery Action:** Correct either the hardware or HCD. If the hardware was in

error (or was incorrectly attached to the system), correct the hardware and then VARY the device ONLINE. Use the command DS QT,dddd,RDC to determine the library-ID and libport-ID assigned to the hardware. In the following example, device 2C80 is assigned library-ID BA067 and libport-ID 01:

```
DS QT,2C80,RDC
READ  DEVICE CHARACTERISTICS
34905434905400EO 1FD8808004000000 00000000 00000000
0BA0607010000000 4281000000000000 00000000 00000000
```

#### ACTIVATE IODF=XX, IS REQUIRED

The device was unavailable when the currently active eligible device tables (EDTs) were built; the EDTs are used for device allocation. Although the device is now available to this system, it cannot be allocated until the EDTs are rebuilt. EDTs are rebuilt during IODF activation.

**Recovery Action:** Activate the current IODF, then VARY the device ONLINE.

#### TAPE LIBRARY DEVICE aaaa (bbbbbb-cc) IS A DUPLICATE OF DEVICE xxxx (yyyyy-xx) AND IS BEING MARKED FOR DELETION

A device with CUU=xxxx, LIBRARY-ID=yyyyy, and LIBPORT-ID=zz is being processed and another device with CUU=aaaa, LIBRARY-ID= bbbbb, and LIBPORT-ID=cc has been found that:

- has the same hardware reported sequence number, or
- has the same CUU, that is, xxxx=aaaa.

It is determined to be the same device and the device with CUU=aaaa is not allowed online.

This can occur in a variety of situations, for example, when two control units are physically uncabled from the library, and when recabled, the port cables are switched.

**Recovery Action:** Correct either the hardware or HCD. If the hardware was in error (or was incorrectly attached to the system), correct the hardware and then vary the device online. Use the command DS QT,dddd,RDC to determine the library-ID and libport-ID assigned to the hardware.

#### TAPE LIBRARY DEVICE aaaa (bbbbbb-cc) IS A DIFFERENT DEVICE TYPE THAN DEVICES PREVIOUSLY DEFINED IN THE SAME STRING. THE DEVICE IS NOT ALLOWED ONLINE

A device with CUU=aaaa, LIBRARY-ID=bbbbbb, and LIBPORT-ID=cc

is a different device type than those that were previously defined for the same string.

**Recovery Action:** Correct either the hardware or HCD. If the hardware was in error (or was incorrectly attached to the system), correct the hardware and then vary the device online. Use the command DS QT,dddd,RDC to determine the library-ID and libport-ID assigned to the hardware.

#### TAPE LIBRARY DEVICE aaaa (bbbbbb-cc) DEFINED AS MTL BUT DEVICE xxxx (yyyyy-xx) IS REAL ATL/VTs DEVICE. DEVICE NOT ALLOWED ONLINE.

The tape drive at address aaaa, with HCD defined LIBRARY-ID bbbbb and LIBPORT-ID cc is defined as an MTL resident drive (for example, MTL=YES was specified with LIBRARY-ID and LIBPORT-ID), but the RDC data indicates that the drive resides in the ATLDS. The device is treated as a valid ATL resident drive.

**Recovery Action:** Review the HCD definition for the device.

#### TAPE LIBRARY DEVICE aaaa (bbbbbb-cc) EMULATING 3490 NOT ALLOWED ONLINE IN AN MTL.

The tape drive at address aaaa, with HCD defined LIBRARY-ID bbbbb and LIBPORT-ID=cc, is defined as an MTL resident drive but is emulating a 3490 device which is not supported in an MTL. The device is not allowed online.

**Recovery Action:** Review the HCD definition for the device.

#### MTL DEVICE aaaa (bbbbbb-cc) IS ATTACHED TO A CONTROL UNIT THAT IS DIFFERENT THAN THAT FOR OTHER DEVICES ALREADY IN THE POOL.

The tape drive at address aaaa, with HCD defined LIBRARY-ID bbbbb and LIBPORT-ID cc, is attached to a control unit different than that for devices already in the pool. The device is not allowed online.

**Recovery Action:** Review the HCD definition for the device, and other devices with the same LIBRARY-ID and LIBPORT-ID values. Ensure that all devices for the same LIBRARY-ID and LIBPORT-ID values are connected to the same control unit.

#### TAPE LIBRARY DEVICE aaaa (bbbbbb-cc) NOT ALLOWED ONLINE, UNABLE TO ADD

## IEA438I • IEA442E

### LIBRARY TO CONTROL BLOCK.

The tape drive at address *aaaa*, with HCD defined LIBRARY-ID *bbbb* and LIBPORT-ID *cc*, cannot be added to the existing device pool because it is full. The device is not allowed online.

**Recovery Action:** Review the HCD definition for the device, and other devices with the same LIBRARY-ID and LIBPORT-ID values. Ensure that MTL devices are not overgenned.

### INVALID PEER-TO-PEER VTS DATA

During initialization of a device in a Peer-to-Peer VTS, the I/O operation requesting Peer-to-Peer configuration data either failed or returned invalid information. This message is issued when an RDC command returned data indicating that the device is in a Peer-to-Peer VTS library. However, the subsequent request to obtain Peer-to-Peer data failed (or returned invalid data).

**Recovery Action:** Correct your hardware service representative to determine the cause of the failure.

**System Action:** The device is not available for use by the system.

**System Programmer Response:** When the condition has been corrected, attempt to VARY the device ONLINE. If the device was previously defined to HCD as a library device, with the proper library-ID and libport-ID, the device will come ONLINE.

If the device is not defined with HCD as a library device, the device will not be allowed ONLINE if an IODF activate is required. Message ACTIVATE IODF=XX, IS REQUIRED indicates that because of previous failure, the library-ID and libport-ID were not known when the systems EDTs were built. Now that these IDs are known, an activate is required in order to cause the EDTs to be rebuilt.

**Source:** Tape Device Initialization Exit (DSE)

**Detecting Module:** IECTDSR2

---

**IEA438I THE FOLLOWING TAPE LIBRARY  
DEVICE ARE UNAVAILABLE: dev [dev  
... dev [\*dev]]**

**Explanation:** During IPL, initialization failed for one or more library devices. In many cases, this message is normal and expected. For example, if the interface to a 3490 string is disabled, and the devices were defined with HCD as library devices, those library devices will be listed in this message.

Devices that are displayed with an asterisk will become available when the error has been corrected, without an IPL or I/O activate request being required.

**System Action:** The device is not available for use by the system.

**System Programmer Response:** To determine the reason that a device is unavailable, attempt to vary one of the devices online. If the error has been corrected, the device will be brought online. If the error still exists, message IEA437I will explain the reason for the failure. If the device is displayed with an asterisk, it will become available when the error has been corrected.

If the device is not displayed with an asterisk, perform an IPL or an I/O activate after correcting the error to make the device available to the system after the error has been corrected.

If an I/O activate is to be done, the device must first be varied online. The device does not need to remain online.

**Source:** Tape Device Initialization Exit (DSE)

**Detecting Module:** IECTDSR2

---

**IEA441I UNABLE TO ESTABLISH MVS MODE  
CONTROLS FOR DEVICE nnnn**

**Explanation:** An error was encountered during issuance of mode control CCWs for device number *nnnn*. The error prevents setting the mode control page values. When these controls are not properly set, the device cannot be brought online.

Mode control CCWs set certain attributes of the device in a manner well-defined for normal MVS processing.

Mode control CCWs are issued by MVS when the device:

is allocated if it is ready, or  
comes ready, if it is already allocated

**System Action:** The device is boxed.

**Operator Response:** Once the cause of the error has been determined and corrected, the device can be varied online. Varying the device online before the error is corrected may cause the error to occur again.

**System Programmer Response:** Collect diagnostic data such as GTF traces for I/O and any system logs that are available. Follow your installation's procedures for reporting this error.

**Source:** Asynchronous Operation Manager Attention Processing Routine for Tape Devices (AOMATTNT)

---

**IEA442E dev REPORTS DISABLED INTERFACE  
ON nn -- FAULT CODE = cccc -- NOTIFY  
CE**

**[CONTINUATION OF IEA442E  
SNS=sense]**

**Explanation:** An I/O request failed because a storage director within a 3880 Storage Control Unit is disabled. In the message text:

*dev* The address of the I/O device that reported the disabled status of storage director.

*nn* The disabled storage director identifier.

*cccc* The fault code that explains why the storage director is disabled.

*sense* Sense data.

**System Action:** The system records the disabled status of storage director in a logrec data set error record. The system retries the I/O request on the specified device.

**Operator Response:** Do the following:

- Isolate the failing control unit. Contact hardware support to repair it.
- If only one unit remains, transfer critical applications to back-up.
- Identify and recover failing tasks.

**Source:** DFSMSdfp

**Detecting Module:** IECVDERP, IGGSNS01

---

**IEA447E PATH *chp* TO DEVICE *s-cc-d* UNAVAILABLE**

**Explanation:** The system cannot reach a device through a path. A hardware error occurred, or the data path switch for the device is open.

In the message text:

*chp* The identifier (CHPID) of the unavailable channel path.

*ss-cc-d* The identifier of the storage director that found the problem.

**System Action:** The system varies the path offline. If additional paths are available, the system retries the failing channel program on another path to the device.

**Operator Response:** If the data path switch is open, close it. Otherwise, do the following:

- Isolate the failing control unit. Contact hardware support to repair it.
- If only one unit remains, transfer critical applications to back-up.
- Identify and recover failing tasks.

**Source:** DFSMSdfp

**Detecting Module:** IGGSNS01

---

**IEA448I 1,SENSE DATA LOGGED FOR DEVICE *ss.p-xx-xx***

**[CONTINUATION OF IEA448I  
SNS=*sense*  
2,SENSE DATA LOGGED FOR  
CONTROLLER *ss.p-xx-xx***

**Explanation:** The specified device or controller has

returned environmental data. The data has been written to the logrec data set.

In the message text:

*ss* Subsystem ID (SSID)

*ss.p* SSID storage path

*xx-xx* Controller device

*sense* Sense data.

**System Action:** Processing continues.

**Source:** DFSMSdfp

**Detecting Module:** IGGSNS01

---

**IEA449A RESET WRITE INHIBIT SWITCH ON PAGING DEVICE - *device-number***

**[CONTINUATION OF IEA449A  
SNS=*sense*]**

**Explanation:** The 3880 Storage Control Model 11 or 21 detected a 3350 write inhibit switch in the read position. The last digit, in hexadecimal, identifies the physical 3350, as follows:

Digit	3350 Device
0 or 8	0
1 or 9	1
2 or A	2
3 or B	3
4 or C	4
5 or D	5
6 or E	6
7 or F	7

In the message text:

*device-number* The path ID of the path that reported the error.

*sense* Sense data.

**System Action:** The error recovery procedure (ERP) reissues the channel command words (CCWs) that failed.

**Operator Response:** Set the 3350 write inhibit switch to the write position. Then reply 'U' to this message.

This message may be followed by another IEA449A message after you have set the switch; reply 'U' to this second IEA449A to continue processing.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** ERPs

## IEA451I • IEA454E

**IEA451I** {MICROCODE LOGICAL|SUBSYSTEM PROCESSING} ERROR - FAULT CODE  
= cccc-ss.p-xx-xx

[CONTINUATION OF IEA451I  
SNS=sense]

**Explanation:** An internal logic error occurred during a subsystem storage operation on a Storage Control device with a cache.

In the message text:

cccc The fault symptom code from sense bytes 22 and 23.

ss.p-xx-xx  
The physical identifier of the reporting storage director.

sense Sense data.

**System Action:** The system ends I/O processing for this request. If the error occurred in a Storage Control device with a cache subsystem storage is taken offline, and future I/O requests are processed directly with the DASD.

**Operator Response:** The system issues this message because of a microcode error. Follow installation procedures to take corrective action.

**Application Programmer Response:** If the error occurred on the Model 11 or 21, reconfigure the system to move the paging data to another subsystem. Otherwise, no action is required.

**Source:** DFSMSdfp

**IEA452I** SUBSYSTEM STORAGE EQUIPMENT CHECK - FAULT CODE =  
cccc-ss.p-xx-xx

[CONTINUATION OF IEA452I  
SNS=sense]

**Explanation:** An equipment check occurred during a subsystem storage operation on the 3880 Storage Control with a cache.

In the message text:

cccc The fault symptom code from sense bytes 22 and 23.

ss.p-xx-xx  
The physical identifier of the reporting storage director.

sense Sense data.

**System Action:** The system ends I/O processing for this request.

**Operator Response:** The system issues this message because of a hardware error. Follow installation procedures to take corrective action.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** IGGSNS01

**IEA453I** {SUBSYSTEM|NVS} STORAGE AVAILABILITY THRESHOLD CROSSED  
-ss.p-xx-xx

[CONTINUATION OF IEA453I  
SNS=sense]

**Explanation:** The amount of subsystem storage offline, in the 3880 Storage Control with a cache crossed a reporting boundary making a portion of the subsystem storage unusable.

In the message text:

ss.p-xx-xx  
The physical identifier of the reporting storage director.

sense Sense data.

**System Action:** The error recovery procedure (ERP) reissues the channel command words (CCW) that failed.

**Operator Response:** The system issues this message because of a hardware error. The subsystem storage remains operational, allowing service to be deferred until it is convenient. Follow installation procedures to take corrective action.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** IGGSNS01

**IEA454E** SUBSYSTEM STORAGE IS UNUSABLE - FAULT CODE = cccc-ss.p-xx-xx

[CONTINUATION OF IEA454I  
SNS=sense]

**Explanation:** Subsystem storage in a Storage Control device with a cache is unusable due to previously reported failures of a device or subsystem storage. The failures are recorded in the error recording data set.

In the message text:

cccc The fault symptom code from sense bytes 22 and 23.

ss.p-xx-xx  
The physical identifier of the reporting storage director.

sense Sense data.

**System Action:** The system ends I/O processing for this request. If the problem occurred in a Storage Control device with a cache subsystem storage is taken



offline, and future I/O requests are processed directly with the DASD.

**Operator Response:** The system issues this message because of a hardware error. Follow installation procedures to take corrective action.

**Application Programmer Response:** If the problem occurred on the 3880 Model 11 or 21, reconfigure the system to move the paging data to another subsystem. Otherwise, no action is required.

**Source:** DFSMSDfp

**Detecting Module:** IGGSNS01

---

**IEA455E      SUBSYSTEM STORAGE MUST BE  
INITIALIZED - FAULT CODE =**  
*cccc-ss.p-xx-xx*

**[CONTINUATION OF IEA455E  
SNS=*sense*]**

**Explanation:** An error occurred during a subsystem storage operation on the 3880 Storage Control Model 11 or 21. The data in the cache may not be valid.

In the message text:

*cccc*      The fault symptom code from sense bytes 22 and 23.

*ss.p-xx-xx*  
The physical identifier of the reporting storage director.

*sense*      Sense data.

**System Action:** The system ends I/O processing for this request.

**Operator Response:** The system issues this message because of a hardware error. System IPL may be required to continue operations. System IPL is required to reinitialize the storage for this subsystem. Follow installation procedures to take corrective action.

**Application Programmer Response:** If the subsystem storage remains unusable following the system IPL, reconfigure the system to move the paging data to another subsystem.

**Source:** DFSMSDfp

**Detecting Module:** IGGSNS01

---

**IEA457I      TRACK FORMAT NOT SUPPORTED  
FOR PAGING - *ss.p-xx-xx***

**[CONTINUATION OF IEA457I  
SNS=*sense*]**

**Explanation:** The 3880 Storage Control Model 11 or 21 detected an incorrect track format or no-record-found error.

In the message text:

*ss.p-xx-xx*

The physical identifier of the reporting storage director.

*sense*      Sense data.

**System Action:** The error recovery procedure (ERP) reissues the channel command words (CCW) that failed.

**Operator Response:** Notify the system programmer.

**Application Programmer Response:** Format the paging packs attached to the paging storage director of the 3880 Model 11 or 21.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** DFSMSDfp

**Detecting Module:** IGGSNS01

---

**IEA458I      STORAGE DIRECTOR  
COMMUNICATION FAILED - FAULT  
CODE = *cccc-ss.p-xx-xx***

**[CONTINUATION OF IEA458I  
SNS=*sense*]**

**Explanation:** The 3880 cache control unit storage directors cannot communicate.

In the message text:

*cccc*      The fault symptom code from sense bytes 22 and 23.

*ss.p-xx-xx*  
The physical identifier of the reporting storage director.

*sense*      Sense data.

**System Action:** The error recovery procedure (ERP) reissues the channel command words (CCW) that failed.

**Operator Response:** Check the 3380 Enable/Disable switches to ensure that they are enabled. If the 3380 switches are enabled, or the problem occurred on the 3880 Control Unit, this problem is probably the result of a hardware error. Follow installation procedures to take corrective action.

**Application Programmer Response:** None.

**Source:** DFSMSDfp

**Detecting Module:** IGGSNS01

---

**IEA459I CACHING [RESET-REDEFINE BOUND AREAS/NON-CACHING DEVICES] REINITIATED] - *ss.p-xx-xx***

**[CONTINUATION OF IEA459I  
SNS=*sense*]**

**Explanation:** Caching was automatically reinitialized by the 3880 Storage Control following a storage director communication timeout or a subsystem storage control structure failure.

In the message text:

*ss.p-xx-xx*

The physical identifier of the reporting storage director.

*sense* Sense data.

**System Action:** The error recovery procedure (ERP) reissues the channel command word (CCW) that received the message.

**Operator Response:** Bound areas of cache and the non-caching state of the devices were reset. If any bound areas or non-caching devices are required, they must be established. If none are required, no action need be taken.

**Application Programmer Response:** None.

**Source:** DFSMSdfp

**Detecting Module:** IGGSNS01

**IEA460W SYSTEM ERROR: WAIT STATE CODE: *ccc* REASON CODE: *rrr* [THE SYSTEM CANNOT TERMINATE ASID *hhhh*]**

**Explanation:** The system attempted to rebuild the work unit queues, but it could not do so successfully.

In the message text:

*ccc*

The wait state code.

*rrr* The reason code associated with the wait state code.

**THE SYSTEM CANNOT TERMINATE ASID *hhhh***

The system encountered an address space whose queues it could not rebuild, so it tried to terminate the address space. The system could not terminate the address space, so it entered a wait state.

*hhhh*

The identifier of the address space that the system needed to terminate in order to continue processing.

**System Action:** The system enters a non-restartable wait state.

**Operator Response:** Provide a stand-alone dump, if requested by the system programmer.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the stand-alone dump.

**Source:** Supervisor Control

**Detecting Module:** IEAVEGR

**IEA466I PATH(*dev,chp*) PERMANENT I/O ERROR {*sense*} FAULT CODE=*cccc*}**

**Explanation:** The system detected a permanent error on a single path on a device with multiple paths. The system completed the request on an alternate path to the device.

*dev* The device number.

*chp* The channel path identifier (CHPID).

*sense* The sense byte information.

*cccc* The fault code.

**System Action:** The system varies the path offline.

**Operator Response:** Do the following:

- Isolate the failing control unit. Contact hardware support to repair it.
- If only one unit remains, transfer critical applications to back-up.
- Identify and recover failing tasks.

**Source:** DFSMSdfp

**Detecting Module:** IECVDER2

**IEA467E PATH(*dev,chp*) *type* WRITE INHIBITED *sense***

**Explanation:** The system found a hardware write error on a channel path. Recovery was unsuccessful on that path. Subsequent writes to that device or any other device on that interface could result in a loss of data.

In the message text:

*dev* The device number.

*chp* The channel path identifier (CHPID).

*sense* The sense byte information.

*type* The component for which the system established the write inhibit condition. One of the following devices:

- The channel interface
- The storage director
- The DASD controller

**System Action:** The system varies the device path logically offline. The system issues message IEA469E. If additional paths are available, the system retries the failing chain on another path to the same device.

**Operator Response:** If the error persists, do the following:

1. Enter the following: to vary the path offline, assuming that the path is online but not allocated:  
VARY PATH(*dev,cc*),OFFLINE, UNCOND
2. After hardware support corrects the problem, submit a job to run an ICKDSF CONTROL command to reset the fenced condition to one of the devices attached to the fenced interface.
3. If no online paths remain to the device, do the following:
  - VARY FORCE the devices attached to the interface offline.
  - Cancel all jobs that are using the device.
  - Vary online at least one path to the device.
  - Vary the device online, making sure that no jobs allocate the pack.
  - Enter an ICKDSF CONTROL WRITEALLOW command, directing it to one device attached to the failing interface.
  - Vary online all paths that the system varied offline.
4. If paths remain online, do the following:
  - Enter an ICKDSF CONTROL WRITEALLOW command, directing it to one device attached to the failing interface.
  - Vary online all paths that the system varied offline.

**Source:** DFSMSdfp

**Detecting Module:** IECVDER2

---

**IEA468I      WRITE INHIBITED PATH (*dev,chnp*)  
ENCOUNTERED**

**[CONTINUATION OF IEA468I  
SNS=*sense*]**

**Explanation:** The system tried to issue I/O to a device through a path that was write inhibited.

In the message text:

*dev*      The device number.

*chnp*      The channel path identifier (CHPID).

*sense*      Sense data.

**System Action:** The system varies the path offline. If additional paths are available, the system retries the failing I/O on another path to the same device.

**Operator Response:** If the error persists, do the following:

1. Enter the following: to vary the path offline, assuming that the path is online but not allocated:  
VARY PATH(*dev,cc*),OFFLINE, UNCOND
2. After hardware support corrects the problem, submit a job to run an ICKDSF CONTROL command to

reset the fenced condition to one of the devices attached to the fenced interface.

3. If no online paths remain to the device, do the following:
  - VARY FORCE the devices attached to the interface offline.
  - Cancel all jobs that are using the device.
  - Vary online at least one path to the device.
  - Vary the device online, making sure that no jobs allocate the pack.
  - Enter an ICKDSF CONTROL WRITEALLOW command, directing it to one device attached to the failing interface.
  - Vary online all paths that the system varied offline.
4. If paths remain online, do the following:
  - Enter an ICKDSF CONTROL WRITEALLOW command, directing it to one device attached to the failing interface.
  - Vary online all paths that the system varied offline.

**Source:** DFSMSdfp

---

**IEA469E      {PATH (*dev,chnp*) HAS BEEN VARIED  
OFFLINE} PATH (*dev,chnp*) CANNOT BE  
VARIED OFFLINE}**

**[CONTINUATION OF IEA469I  
SNS=*sense*]**

**Explanation:** A hardware error occurred. Recovery for the direct access storage device (DASD) determined that a path should be varied offline.

In the message text:

*dev*      The device number.

*chnp*      The channel path identifier (CHPID).

*sense*      Sense data.

**System Action:** If the path is online, the system retries the failing channel command word (CCW) chain on another path to the same device.

Depending on the message text, one of the following:

**PATH (*dev,cc*) HAS BEEN VARIED OFFLINE**

The DASD recovery varies the path offline.

**PATH (*dev,cc*) CANNOT BE VARIED OFFLINE**

The DASD recovery does not vary the path offline because it is the last path to the device.

**Operator Response:** If PATH (*dev,cc*) CANNOT BE VARIED OFFLINE appears in the message text, and the error persists, enter a VARY PATH or UNCOND command to vary the path offline.

**Source:** DFSMSdfp

**Detecting Module:** IECVDER2

## IEA473I • IEA476E

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**IEA473I**      *vvvvvv* **FENCED FROM STORAGE PATH**  
*x - device-number/ssid.p-cc-nn*

**[CONTINUATION OF IEA473I  
SNS=sense]**

**Explanation:** A device is unavailable through a storage path due to a hardware error.

In the message text:

<i>vvvvvv</i>	The volume that failed.
<i>x</i>	The storage path fenced.
<i>device-number</i>	The physical device address.
<i>ssid</i>	The subsystem identifier.
<i>p</i>	The storage path.
<i>cc</i>	The controller address.
<i>nn</i>	The device number.
<i>sense</i>	Sense data.

**System Action:** The subsystem attempts to recover the operation using an alternate path.

**Operator Response:** The system issues this message because of a hardware error. Follow your installation's procedures for reporting this error.

**Source:** DFSMSdfp

**Detecting Module:** IGGSNS01

---

**IEA474E**      **NONVOLATILE STORAGE UNUSABLE -**  
*ccul/ssid.p-xx-xx*

**[CONTINUATION OF IEA474E  
SNS=sense]**

**Explanation:** The nonvolatile storage failed or could not be initialized.

In the message text:

<i>device-number</i>	The physical device address.
<i>ssid</i>	The subsystem identifier.
<i>p</i>	The storage path.
<i>sense</i>	Sense data.

**System Action:** DASD fast write operations will continue without using fast write. Dual copy will continue with reduced recovery in the event of a cache failure.

**Operator Response:** The system issues this message because of a hardware error. Follow your installation's procedures for reporting this error.

**Source:** DFSMSdfp

---

**IEA475E**      *vvvvvv* **IS SUSPENDED DUPLEX**  
**{PRI|SEC} FAILED|INTERVENTION**  
**REQUIRED - ccu/ssid.p-cc-nn**

**[CONTINUATION OF IEA475E  
SNS=sense]**

**Explanation:** The storage director cannot successfully update the primary or secondary device of a duplex pair. The system may issue this message as a result of improper procedures.

In the message text:

<i>vvvvvv</i>	The volume that failed.
<i>device-number</i>	The physical device address.
<i>ssid</i>	The subsystem identifier.
<i>p</i>	The storage path.
<i>cc</i>	The controller address.
<i>nn</i>	The device number.
<i>sense</i>	Sense data.

**System Action:** Processing will continue in suspended duplex mode.

**Operator Response:** The system issues this message because of a hardware error. Follow your installation's procedures for reporting this error. If the device associated with this message is attached via the IBM 3990 Model 3 or Model 6 Storage Control, see *IBM 3990/9390 Operations and Recovery Guide* for detailed recovery actions.

**Source:** DFSMSdfp

**Detecting Module:** IGGSNS01

---

**IEA476E**      *vvvvvv* **ACCESS PROHIBITED -**  
**RC=(reason-code) device-number/ssid.p-**  
**cc-nn**

**[CONTINUATION OF IEA476E  
SNS=sense]**

**Explanation:** The status of the subsystem or a device cannot be determined. Access is not allowed until the problem is corrected.

In the message text:

<i>vvvvvv</i>	The volume that failed.
<i>reason-code</i>	The reason code of the failure. See <i>IBM 3990/9390 Storage Control Reference</i> , Chapter 5, "Sense Byte Information" under the heading Format F Message C.
<i>device-number</i>	The physical device address.
<i>ssid</i>	The subsystem identifier.
<i>p</i>	The storage path.

*cc* The controller address.  
*nn* The device number.  
*sense* Sense data.

**System Action:** The system ends I/O processing for this request.

**Operator Response:** The system issues this message because of a hardware error or configuration problem. Follow your installation's procedures for reporting this error. If the device associated with this message is attached via the IBM 3990 Model 3 or Model 6 Storage Control, see *IBM 3990 Operations and Recovery Guide* for detailed recovery actions.

**Source:** DFSMSdfp

**Detecting Module:** IGGSNS01

---

**IEA477I** *vvvvvv* **PERMANENT DATA CHECK ON  
PRIMARY - RECOVERED ON  
SECONDARY** *device-number ssid.p-cc-nn*

**[CONTINUATION OF IEA477I  
SNS=*sense*]**

**Explanation:** A permanent read data check on the primary device of a duplex pair was recovered by reading the secondary device.

In the message text:

*vvvvvv* The volume that failed.  
*device-number* The physical device address.  
*ssid* The subsystem identifier.  
*p* The storage path.  
*cc* The controller address.  
*nn* The device number.  
*sense* Sense data.

**System Action:** Processing continues.

**Operator Response:** Follow your installation's procedures for reporting this error. If the device associated with this message is attached via the IBM 3990 Model 3 or Model 6 Storage Control, see detailed recovery actions information in the *IBM 3990/9390 Operations and Recovery Guide*.

**Source:** DFSMSdfp

**Detecting Module:** IGGSNS01

---

**IEA478E** **PINNED DATA FOR** *vvvvvv* -  
*device-number ssid.p-cc-nn*

**[CONTINUATION OF IEA478E  
SNS=*sense*]**

**Explanation:** A permanent hardware error occurred

during a destage operation. The data is pinned in cache/nonvolatile storage.

In the message text:

*vvvvvv* The volume that failed.  
*device-number* The physical device address.  
*ssid* The subsystem identifier.  
*p* The storage path.  
*cc* The controller address.  
*nn* The device number.  
*sense* Sense data.

**System Action:** Processing continues.

**Operator Response:** The system issues this message because of a hardware error. Follow your installation's procedures for reporting this error. If the device associated with this message is attached via the IBM 3990 Model 3 or Model 6 Storage Control, see *IBM 3990/9390 Operations and Recovery Guide* for detailed recovery actions.

**Source:** DFSMSdfp

---

**IEA479E** *vvvvvv* **TRACK FORMAT NOT  
CORRECT FOR DESTAGE - RC=(*rc*)**  
*device-number ssid.p-cc-nn*

**[CONTINUATION OF IEA479I  
SNS=*sense*]**

**Explanation:** An attempt to write data from cache to DASD encounters a DASD track format incompatible with the operation.

In the message text:

*vvvvvv* The volume that failed.  
*reason-code* The reason code of the failure. See *IBM 3990/9390 Storage Control Reference*, Chapter 5, "Sense Byte Information" under the heading Format F Message 7.  
*device-number* The physical device address.  
*ssid* The subsystem identifier.  
*p* The storage path.  
*cc* The controller address.  
*nn* The device number.  
*sense* Sense data.

**System Action:** If the destage is for a fast write, the track is pinned in cache/nonvolatile storage. If the destage is to a duplex pair, the duplex pair is suspended.

**Operator Response:** Follow your installation's procedures for reporting this error. If the device



## IEA480E

associated with this message is attached via the IBM 3990 Model 3 or Model 6 Storage Control, see *IBM 3990 Operations and Recovery Guide* for detailed recovery actions.

**Source:** DFSMSdfp

**Detecting Module:** IGGSNS01

---

**IEA480E**    *yyyy*, {**SCU** | **CACHE** | **DASD** | **MEDIA** },  
{**SERVICE** | **MODERATE** | **SERIOUS** |  
**ACUTE**} **ALERT**, **MT**=*machine*  
*type/model*, **SER**=*MMPP-SSSSS*,  
**REFCODE**= *nnnn-nnnn-nnnn*,  
**VOLSER**=*volser*, **ID**=*id*, **CCHH**=*x'cccc*  
*hhhh'*, **REPEATED** [**CONTINUATION OF**  
**IEA480E SNS**=*sense*]

**Explanation:** IEA480E is a Service Information Message (SIM) console message. The specified device or storage control has detected an abnormal condition that requires operator or service attention.

In the message text:

*yyyy*            Address or number of the device or  
                 storage control that reported the error.

**SCU**            Storage control hardware.

**CACHE**        Storage control cache of nonvolatile  
                 storage.

**DASD**        Storage device hardware.

**MEDIA**        Device data storage media.

**SERVICE|MODERATE|SERIOUS|ACUTE**

Describes the severity of the SIM event being reported. ACUTE is the most severe and SERVICE is the least severe. For additional details, see *IBM 3990 Operations and Recovery Reference*.

*machine-type/model*

Machine type and model number (7 characters maximum).

*MMPP-SSSSS*    Where:

- *MM* identifies the manufacturer (01 indicates IBM).
- *PP* identifies the manufacturing plant.
- *SSSSS* is the five-digit machine serial number.

*nnnn-nnnn-nnnn-nnnn*

Twelve hexadecimal characters; provides encoded information, including the FRU number to repair the failure if a service SIM. For MEDIA ALERTs, the last digit of these

twelve hexadecimal characters is the recommended media maintenance procedure number.

*volser*

The volume serial number of the failing volume. This field is only applicable for 3390 SIMs where the device or volume is involved in the failure.

*id*

Two-hexadecimal character SIM ID. SIM ID is a subsystem-assigned identifier for each individual SIM. It appears in the console message as a discrete field only for 3390 SIMs. For 3990 SIMs, it is contained in the REFCODE as the last two digits.

*cccc hhhh*

MEDIA ALERTs only. Hexadecimal cylinder/head address of the failing track. Provided for use by automated media maintenance actions or to initiate media maintenance actions without the need to run EREP.

**REPEATED**

Appears for non-MEDIA ALERTs only. This field is shown when the SIM is a repeat presentation of a previously-reported SIM.

*sense*

Sense data.

**System Action:** The system logs an alert in the LOGREC data set and continues processing.

**Operator Response:** The system issues this message to indicate that operator or service attention is required. Follow your installation's procedures for obtaining service. Consult your customer engineer, if applicable.

**System Programmer Response:** Run an EREP System Exception Report to obtain a Service Information Message report for additional information.

**Source:** DFSMSdfp

**Detecting Module:** IGGSNS01

---

**IEA480E**    *yyyy*, {**TLIB** | **TCU** | **TVIR** | **TAPE**}, *mt*,  
{**ACUTE** | **SERIOUS** | **MODERATE** |  
**SERVICE**} **ALERT**, **SER**=*mmpp-sssss*,  
**MC**=*mc*, **ES**=*es*, **ID**=*id*, **REF**=  
*ref1-ref2-ref3*, **UM**=*um1-um2-um3*,  
{**CLEAN** | **CLEAN/SERVICE** |  
**CLEANED**}, **REPEATED**

**Explanation:** IEA480E is a Service Information Message (SIM) console message. The specified tape library, tape controller, virtual tape server, or tape drive unit has detected an abnormal condition that requires operator or service attention.

In the message text:

*yyyy*

Address of unit that reported the SIM message.

<b>TLIB</b>	Automated tape library.
<b>TCU</b>	Tape control unit.
<b>TVIR</b>	Virtual Tape Server (VTS).
<b>TAPE</b>	Tape drive.
<i>mt</i>	Machine type of unit that caused the SIM message. This will reflect the software image of the machine type, not necessarily the underlying physical machine type. VTS, for example, will report '3490' as the machine type, even though the underlying drive machine type may be 3590.

**ACUTE|SERIOUS|MODERATE|SERVICE**

	Indicates the severity of the SIM message. ACUTE is the most severe and SERVICE is the least severe.
<i>ser</i>	Serial number of unit referenced by the SIM message.
<i>mc</i>	Message code. Indicates source of SIM.
<i>es</i>	Exception/Service code.
<i>id</i>	Identifier of the SIM in the control unit internal SIM log.
<i>ref1-ref2-ref3</i>	Error reference codes.
<i>um1-um2-um3</i>	Unit modifier reference codes. Some software releases may not include these codes.

<b>CLEAN</b>	Tape drive requires cleaning cartridge to be inserted. Only returned for a TAPE unit.
--------------	---------------------------------------------------------------------------------------

**CLEAN/SERVICE**

	Tape drive requires cleaning cartridge to be inserted. Repeated occurrences of CLEAN/SERVICE indicate the need for additional service. Only returned for a TAPE unit.
<b>CLEANED</b>	Cleaning just completed for the tape drive. Cleaning cartridge ejected. Only returned for a TAPE unit.
<b>REPEATED</b>	Indicates this SIM has already been presented at least once prior to this presentation.

**System Action:** The system logs an alert in the LOGREC data set and continues processing.

**Operator Response:** The system issues this message to indicate that operator or service attention is required. Follow your installation's procedures for obtaining service. Consult your customer engineer, if applicable.

If the specified unit is TAPE and CLEAN is presented (or ES=89), then cleaning is required. Note that some

software levels will only specify the ES code for cleaning.

If the specified unit is TAPE and CLEAN/SERVICE is presented (or ES=8B), then cleaning is required. Note that some software levels will only specify the ES code for cleaning.

Repetitive occurrences of the CLEAN/SERVICE message indicate that service beyond cleaning is required.

If the specified unit is TAPE and CLEANED is presented (or ES=9A), then cleaning was completed. No further action is required. Note that some software levels will only specify the ES code for cleaning completed.

If the specified unit is TAPE and ES has any other value, then consult your customer engineer for detailed recovery actions for the installed tape drive.

If the specified unit is TLIB, then consult your customer engineer for detailed recovery actions for the installed library.

If the specified unit is TVIR, then consult your customer engineer for detailed recovery actions for the installed VTS product.

If the specified unit is TCU, then consult your customer engineer for detailed recovery actions for the installed tape control unit.

**System Programmer Response:** Run an EREP System Exception Report to obtain a Service Information Message report for additional information.

**Source:** DFSMSdftp

**Detecting Module:** IGGSNS02

---

**IEA481I      CONTROLLER NOT OPERATIONAL  
WITH STORAGE PATH -  
device-number/ssid.p-cc-nn**

**[CONTINUATION OF IEA481I  
SNS=sense]**

**Explanation:** The specified DASD controller cannot be accessed through the specified storage path.

In the message text:

<i>device-number</i>	The physical device address.
<i>ssid</i>	The subsystem identifier.
<i>p</i>	The storage path.
<i>cc</i>	The controller address.
<i>nn</i>	The device number.
<i>sense</i>	Sense data.

**System Action:** Processing continues.

**Operator Response:** The system issues this message because of a hardware error. Follow your installation's procedures for reporting this error. If the device

## IEA482I • IEA486E

associated with this message is attached via the IBM 3990 Model 3 or Model 6 Storage Control, see *IBM 3990/9390 Operations and Recovery Guide* for detailed recovery actions.

**Source:** DFSMSdfp

**Detecting Module:** IGSNS01

---

**IEA482I**     *ser* **WAITING FOR CONTROL UNIT -**  
                  *dev*, **REASON CODE=(nn)**

**[CONTINUATION OF IEA482I**  
**SNS=sense]**

**Explanation:** I/O was attempted to DASD device whose control unit is in an extended busy condition. This busy condition might last for several minutes; additional messages will describe the reason for the busy condition.

This problem may be caused by one of the following:

- The control unit could be busy destaging DASD fast write data for the device when a SETCACHE DASDFASTWRITE OFF command was issued.
- The control unit could also be busy copying data from the primary device to the secondary device if a SETCACHE SETSECONDARY command was issued to the device, particularly if PACE(0) parameter was specified.

In the message text:

*ser*        Volume serial number.

*dev*        DASD device number.

*nn*        Reason code

*sense*    Sense data.

**System Action:** The system will queue and periodically retry the I/O to device *dev* until the control unit accepts the request. Message IEA482I will be displayed for each retry of the I/O request while the busy condition exists.

**Source:** DFSMSdfp

---

**IEA483I**     **LOGROUTE FAILED - DYNAMIC**  
                  **ALLOCATION ERROR RC=return-code**

**Explanation:** A user issued the START LOGROUTE command to route a record to the workstation NODE.USERID, but the command failed because of a dynamic allocation error.

In the message text:

*return-code*        The return code.

**System Action:** No log records will be routed to the workstation NODE.USERID.

**Operator Response:** Report this message to the system programmer. If *return-code* is 046C, an incorrect NODE was specified on the START LOGROUTE

command. Issue the MODIFY LOGROUTE,NODEID=nodevalue.useridvalue command to correct the NODEID value.

**Source:** DFSMSdfp

---

**IEA484I**     **CACHING STATUS RESET TO**  
                  **DEFAULT - device-number/ssid.p-cc-nn**

**[CONTINUATION OF IEA484I**  
**SNS=sense]**

**Explanation:** Retentive status of the subsystem, a fast write or dual copy has been reset.

In the message text:

*device-number*    The physical device address.

*ssid*              The subsystem identifier.

*p*                  The storage path.

*cc*                The controller address.

*nn*                The device number.

*sense*            Sense data.

**System Action:** Processing continues.

**Operator Response:** If the device associated with this message is attached via the IBM 3990 Model 3 or Model 6 Storage Control, see *IBM 3990/9390 Operations and Recovery Guide* for detailed recovery actions.

**Source:** DFSMSdfp

---

**IEA486E**     *cuu*, TVOL, {**ACUTE | SERIOUS |**  
                  **MODERATE | SERVICE} ALERT,**  
                  **VOLUME=valid, S=s, MC=mc, E=e,**  
                  **REF=refc-med-fi, REPEATED**

**Explanation:** IEA486E is a Media Information Message (MIM) console message. The specified device has detected an abnormal medium condition that requires storage administration attention.

In the message text:

*cuu*              Address of unit that reported the MIM message.

**TVOL**            Tape Volume.

**ACUTE|SERIOUS|MODERATE|SERVICE**

Indicates the severity of the MIM message. ACUTE is the most severe and SERVICE is the least severe.

*valid*            Valid of the tape volume referenced by the MIM message. If blank and the volume was not unlabeled, the valid may still be determined from job or system logs.

*s*                Valid source.

<i>mc</i>	Message code (to indicate MIM source).
<i>e</i>	Exception code.
<i>refc-med-fi</i>	Error reference code - Media identifier - Format identifier.

**REPEATED** Indicates this MIM has already been presented.

**System Action:** The system logs an alert in the LOGREC data set and continues processing.

**Operator Response:** The system issues this message to indicate that storage administrator attention is required. For instructions, consult your customer engineer for the installed model supporting the indicated media and format.

**System Programmer Response:** Run an EREP System Exception Report to obtain a Media Information Message report to obtain additional information.

**Source:** DFSMSdfp

**Detecting Module:** IGGSNS02

---

#### IEA489I      INVALID SYSTEM LEVELS OF                  QUALIFICATION. DEFAULT OF 1 USED

**Explanation:** In the SYSCATnn member of SYS1.NUCLEUS, the field that defines the system levels of qualification is incorrect. Valid values are 01, 02, 03, 04, F1, F2, F3, F4, or 40. (The last five values are EBCDIC codes for decimal 1, 2, 3, 4, and blank.)

**System Action:** The system continues processing, using the default of 1 as the level of qualification.

**Operator Response:** Issue MODIFY CATALOG,ALIASLEVEL(n), where n is the number of levels of qualification requested by the system programmer.

**System Programmer Response:** To correct the field in the SYSCATnn member, ask the operator to issue a MODIFY CATALOG,ALIASLEVEL(n) command. Provide a value for n to the operator. n is the number of levels of qualification. The valid range for n is 1 through 4.

**Source:** DFSMSdfp

**Detecting Module:** IEAVNP11

---

**IEA491E**      *volser*-PPRC **SUSPENDED** *error-reason*,  
                 (PRI) SER=aaaa-bbbbb,CCA=xx (SEC)  
                 SER=aaaa-bbbbb,CCA=xx

**[CONTINUATION OF IEA491E  
SNS=sense]**

**Explanation:** The peer-to-peer remote copy operation has been suspended at the time indicated for the error reason stated in the message.

**Note:** The time indicated in the message is the timestamp of the ERP action message, and not necessarily the exact time of the failure. Select the CRIT(YES) option of the CESTPAIR command if you require exact synchronization to the time of the failure.

*volser*

This is the volume serial number of the PPRC volume pair encountering the failure.

*error-reason*

The error reasons are:

- **SUSPENDED, PRIMARY-DEVICE-WRITE-FAILURE**

A write failure occurs during a write operation from the application site storage control to the primary device indicated by the volume serial number. The primary volume storage control continues to keep track of changed cylinders, such that after the error is corrected, you may select the RESYNC option to reestablish the PPRC pair.

- **SUSPENDED, SECONDARY-SUBSYSTEM-FAILURE**

An error occurs in the recovery storage subsystem that has caused the peer-to-peer remote copy pair to be suspended at the time indicated. The primary volume storage control continues to keep track of changed cylinders, such that after the error is corrected, you can select the correct reestablish method. If the error is such that data may have been lost (for example, a physical secondary device error or the loss of NVS), after the error is corrected, select the COPY option to reestablish the PPRC pair.

- **SUSPENDED, COMMUNICATION-TO-SECONDARY-FAILURE**

An error has been encountered in the peer-to-peer remote copy communications paths, such that the application site storage control for the device indicated can no longer communicate with the target volume's storage control. The primary volume's storage control continues to keep track of changed cylinders. When the error is corrected, you may select the RESYNC option to reestablish the PPRC pair.

- **SUSPENDED, CRITICAL-STATE, ALL-WRITES-FAILED**

A previous PPRC error has occurred on a volume established with the CRIT(YES) parameter. A write I/O has occurred to the volume indicated by the volume serial number and it has been unit checked.

- **SECONDARY NOT READY,**

The secondary device of a PPRC pair has been suspended because the secondary device in the pair is not ready. The primary volume storage

## IEA492I • IEA493I

control continues to keep track of changed cylinders. After the error is corrected, you may select the RESYNC option to reestablish the PPRC pair.

### (PRI) SER=aaaa-bbbbb,CCA=xx

This is the primary PPRC volume storage control serial number followed by the primary volume's channel connection address. The reported serial number can be one of the following:

- *aaaa* — The first four bytes of the storage control serial number.
- *bbbbbb* — The last five bytes of the 12-byte sequence number portion of the serial number. This number can be found on the lower left-hand portion of the storage control operator panel.
- *xx* — The two-byte channel connection address.

### (SEC) SER=aaaa-bbbbb,CCA=xx

This is the PPRC secondary volume's storage control serial number followed by the secondary volume's channel connection address. The reported serial number can be one of the following:

- *aaaa* — The first four bytes of the storage control serial number.
- *bbbbbb* — The last five bytes of the 12-byte sequence number portion of the serial number. This number may be found on the lower left-hand portion of the storage control operator panel.
- *xx* — The two-byte channel connection address.

### sense

Sense data.

**System Action:** Unless CRIT(YES) has been specified when the PPRC pair was established, the processing continues in suspended state.

Based on the specific error reason, the primary volume storage control continues to keep track of changed cylinders, such that after the error is corrected, you may select the RESYNC option to reestablish the PPRC pair. However, depending on the nature of the error, if there is a possibility that data has been lost on the secondary subsystem or device, the recovery action requires a full copy after the problem has been fixed and the PPRC pair reestablished.

**Operator Response:** The system issues this message because of a hardware error. Follow your installation's procedures for reporting this error.

**Application Programmer Response:** This is a hardware problem. Contact your hardware support personnel.

**Note:** Disaster and recovery protection is exposed until this error is corrected and the PPRC pair is reestablished.

**Problem Determination:** Note that in the case of the "Critical State" message, the actual error causing the

message has previously occurred.

---

**IEA492I**      **SSID=***subid*,**PARTITION=***partition*, *text - action*

**Explanation:** The capacity manager has detected a capacity status change for a device configured in the specified partition, either from normal status to abnormal status or from abnormal status to normal status.

In the message text:

### *subid*

The subsystem identifier of the subsystem to which the device is configured.

### *partition*

The partition identifier where the device is configured.

### *text*

One of the following:

- CAPACITY USAGE IS BELOW *percent*%
- CAPACITY USAGE IS ABOVE *percent*%

### *action*

One of the following:

- DFHSM CALLED FOR *device-number*,*volser*
- DFHSM NOT INSTALLED
- DFHSM NOT ACTIVE
- DFHSM CALL FAILED

**System Action:** If the device capacity status becomes abnormal, the system attempts to invoke DFHSM to migrate the data off the volume. No action is taken if the device capacity status becomes normal.

**Operator Response:** If the error message persists or if the attempt to call DFHSM is not successful, contact the IBM Support Center.

**Source:** DFSMSHsm

---

**IEA493I**      **NIP CONSOLE NOT FOUND**

**Explanation:** No suitable nucleus initialization program (NIP) console has been found. This message is accompanied by wait state code X'007'.

**System Action:** The system logs this message before loading non-restartable wait state X'007'.

**Operator Response:** Follow the operator response for wait state X'007'.

**System Programmer Response:** Follow the system programmer response for wait state X'007'.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVNPCA

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**IEA494I**     *dev, volser, PPRC state, SSID=ssid, CCA=ca, optional-text*

**Explanation:** The state of the PPRC pair has changed.

In the message text:

*dev*

The device number of the primary device of a PPRC pair.

*volser*

The volume serial number of the primary device of a PPRC pair.

*state*

The new state of the PPRC pair is one of the following:

#### **SUSPENDING**

The control unit is in the process of suspending the PPRC pair. This text appears only when the device is in the extended long busy state, and **EXTENDED LONG BUSY STATE** will appear at the end of the message.

#### **SUSPENDED**

The PPRC pair has changed from **PENDING** or **FULL DUPLEX** state to **SUSPENDED** state. If the device is in the extended long busy state, the message will have the optional text **EXTENDED LONG BUSY STATE** appended at the end.

#### **TERMINATED**

The PPRC pair has terminated from the **PENDING**, **FULL DUPLEX**, or **SUSPENDED** state.

#### **PAIR PENDING**

A PPRC copy operation is starting. This may be initial or from a previous suspended state.

#### **PAIR FULL DUPLEX**

A PPRC copy operation has completed and the primary and secondary devices are synchronized.

*ssid*

The *ssid* of the primary device of the PPRC pair.

*ca* The two-byte channel connection address of the primary device of the PPRC pair.

*optional-text*

EXTENDED LONG BUSY STATE.

**Note:** The optional text is present only if the PPRC control unit microcode is at the correct level and the Vital Product Data bit has been set at the control unit panel, requesting activation of extended long busy mode. The duration of this extended long busy is also set at the control unit panel, with a default value of

approximately two minutes. Contact your hardware support group if assistance is required to set the bit and duration.

This message (with the exception of the **SUSPENDING** state variation) will be broadcast to all subsystems where the device is attached and online. Some systems may receive more than one variation of the **SUSPENDING** and/or **SUSPENDED** state message during a suspending event.

**System Action:** If no action is taken by the operator or automation program, at the end of the **EXTENDED LONG BUSY** period, processing will continue in suspended duplex state.

**Note:** See message IEA491E for additional information related to this message. Message IEA494E will be detected and issued by only one of the systems where the device is attached.

**Operator Response:** This message is intended for use by automation programs that monitor operator messages. Actions may be attempted by the operator, but an automation program is recommended.

**Source:** DASD device initialization/re-initialization

**Detecting Module:** IECCINIT

---

**IEA495I**     *dev, volser, DUAL COPY PAIR state, SSID=ssid, CCA=ca, optional-text*

**Explanation:** The state of the dual copy pair has changed.

In the message text:

*dev*

The device number of the primary device of a dual copy pair.

*volser*

The volume serial number of the primary device of a dual copy pair.

*state*

The new state of the dual copy pair is one of the following:

#### **FULL DUPLEX**

The copy of the primary device of the dual copy pair to secondary is complete and the primary to secondary devices are synchronized.

#### **TERMINATED**

The dual copy pair has been terminated from the **PENDING**, **FULL DUPLEX**, or **SUSPENDED** state.

#### **PENDING**

A dual copy operation is starting or restarting. The primary and secondary devices are not synchronized yet.

## IEA496I • IEA500A

### SUSPENDED

The dual copy pair has changed from the **PENDING** or **FULL DUPLEX** state to the **FAILED** or **SUSPENDED** state.

#### *ssid*

The *ssid* of the primary of the dual copy pair.

*ca* The two-byte channel connection address of the primary device of the dual copy pair.

#### *optional-text*

The state of the original; one of the following:

#### **ORIGINAL ON PRIMARY**

The original device address is on the primary device address (no mapping to the primary device).

#### **ORIGINAL NOT ON PRIMARY**

The original device address is not the primary device address. The controller is mapping to the primary device.

**Note:** The optional text is present if the state of the dual copy pair is **FAILED** or **SUSPENDED**.

**System Action:** None.

**Operator Response:** The various formats of the IEA495I message will be broadcast to all systems where the primary device of the dual copy pair is attached and online. Follow your installation's procedures for reporting this error.

This message is intended to supplement message IEAD475E which will only be issued on one console of a multiple system complex where the dual copy devices are attached to more than one of the systems. Automation programs that monitor operator messages may want to monitor for the occurrence of these messages to assist with copy operations.

Find message IEA475E and refer to the text for that message to determine the system action. If the device associated with this message is attached via the IBM3990 Model 3 or Model 6 Storage Control Unit, see the *IBM 3990/9390 Operations and Recovery Guide* for detailed recovery actions.

**Source:** DASD device initialization/re-initialization

**Detecting Module:** IECCINIT

---

**IEA496I**      *dev, volser, MIRRORING state,*  
                 **SSID=ssid, CCA=ca**

**Explanation:** The state of the mirrored pair has changed.

In the message text:

#### *dev*

The device number of the primary device of a mirrored pair.

#### *volser*

The volume serial number of the primary device of a mirrored pair.

#### *state*

The new state of the mirrored pair is one of the following:

#### **OPERATIONAL**

The copy of the primary of a mirrored pair to secondary is complete, and the primary to secondary devices are synchronized.

#### **PENDING**

Mirrored operation is starting or restarting. The primary and secondary devices are not yet synchronized.

#### **FAILED**

The mirrored pair has been terminated from the **PENDING** or **OPERATIONAL** state.

#### *ssid*

The *ssid* of the primary of the mirrored pair.

*ca* The two-byte channel connection address or the primary device of the mirrored pair.

**System Action:** None.

**Operator Response:** The various formats of the IEA496I message will be issued when the system detects a change of state for an online primary device of a mirrored pair. Follow your installation's procedures for reporting this error.

**Note:** Automation programs that monitor operator messages may want to monitor for the occurrence of these messages to assist with decisions concerning the availability of critical data.

**Source:** DASD device initialization/re-initialization

**Detecting Module:** IECCINIT

---

**IEA500A**      **RESTART INTERRUPT DURING**  
                 {*jobname stepname*}**UNKNOWN**  
                 **JOBNAME} ASID=aaaa MODE=mmmm**  
                 **PSW=psw REPLY RESUME TO**  
                 **RESUME INTERRUPTED PROGRAM**  
                 **REPLY ABEND TO ABEND**  
                 **INTERRUPTED PROGRAM [PREVIOUS**  
                 **REPLY WAS INVALID, ENTER A VALID**  
                 **REPLY]**

**Explanation:** When the operator caused a restart interruption, the specified job was in progress. The message asks the operator to resume the job that was in progress or end it.

In the message text:

#### *jobname*

The name of the job that the system was currently processing.

*stepname*

The name of the step that the system was currently processing or blanks.

**UNKNOWN JOBNAME**

The system could not identify the current job.

**ASID=aaaa**

The address space identifier (ASID)

**MODE=mmmm**

The system was processing one of the following units of work:

**TASK** A task

**SRB** A service request

**WAIT** The system wait task

**\*** A unit of work other than those listed above

**PSW=psw**

The program status word (PSW) at the time of the restart interruption

**System Action:** The system prompts the operator for a reply.

**Operator Response:** Reply one of the following:

**RESUME**

The job that was in progress continues at the next sequential instruction.

**ABEND**

The system ends the job with abend X'071'.

**Source:** Loadwait/Restart

**Detecting Module:** IEAVEREX

---

**IEA501I      SYSTEM NON-DISPATCHABILITY INDICATOR [IS OFF | WAS ON, IS NOW BEING RESET] [WRITE-TO-OPERATOR BUFFER LIMIT EXCEEDED. ISSUE K M,MLIM COMMAND TO RAISE LIMIT] [NO BATCH JOBS OR TIME SHARING USERS FOUND RECOMMEND YOU DISPLAY ACTIVE AND DISPLAY QUEUES]**

**Explanation:** The operator caused a restart interruption, specifying REASON 1. This message displays the results of the diagnostics that the system performs in response to the restart interruption.

In the message text:

**SYSTEM NON-DISPATCHABILITY INDICATOR [IS OFF | WAS ON, IS NOW BEING RESET]**

If the non-dispatchability indicator is on, the system sets it off and marks all address spaces as dispatchable.

**[WRITE-TO-OPERATOR BUFFER LIMIT EXCEEDED. ISSUE K M,MLIM COMMAND TO RAISE LIMIT]**

The write to operator (WTO) message buffer is full.

**[NO BATCH JOBS OR TIME SHARING USERS FOUND | RECOMMEND YOU DISPLAY ACTIVE AND DISPLAY QUEUES]**

The system found no batch jobs or time sharing users. However, there may be started tasks in the system.

**System Action:** The system issues message IEE125A. The system waits for the operator to reply to message IEE125A. Then the system begins restart processing.

**Operator Response:** Reply to message IEE125A. Depending on the message text, one of the following:

**[WRITE-TO-OPERATOR BUFFER LIMIT EXCEEDED. ISSUE K M,MLIM COMMAND TO RAISE LIMIT]**

Enter the CONTROL M,REF command to display the limit. Enter the CONTROL M,MLIM=nnnn command to raise the limit.

**[NO BATCH JOBS OR TIME SHARING USERS FOUND | RECOMMEND YOU DISPLAY ACTIVE AND DISPLAY QUEUES]**

Enter the DISPLAY ACTIVE and/or the DISPLAY QUEUE command to determine if the system is holding a job queue.

**Source:** Loadwait/Restart

**Detecting Module:** IEAVEREX

---

**IEA502A      RESTART REASON COULD NOT BE OBTAINED. REPLY WITH RESTART REASON CODE:**

**Explanation:**

- 0 - ABEND CURRENT PROGRAM
- 1 - PERFORM MVS SYSTEM DIAGNOSTICS

[PREVIOUS REPLY WAS INVALID, ENTER A VALID REPLY]

Following a restart interruption, the system could not obtain the restart reason code from the service processor.

**System Action:** The system issues message IEA501I. The system waits for the operator to reply.

**Operator Response:** Reply one of the following:

- 0** The system responds with message IEA500A, which allows you to abnormally end the current program.
- 1** The system checks and repairs critical data areas.

**Source:** Loadwait/Restart

**Detecting Module:** IEAVEREX

---

**IEA503W      MULTIPLE CPUS FAILED DURING ETR  
SYNC-CHECK PROCESSING.**

**Explanation:** At least two processors could not complete External Time Reference (ETR) synchronization check processing. A hardware failure occurred. ETR is the MVS generic name for the IBM Sysplex Timer (9037) or equivalent.

**System Action:** The system enters nonrestartable wait state X'0A4'.

**Operator Response:** See the operator response for wait state X'0A4'.

**System Programmer Response:** See the system programmer response for wait state X'0A4'.

**Source:** Timer supervision

**Detecting Module:** IEATESCH, IEATESC2

**IEA504I      CONSOLxx HARDCOPY DEVICE dddd  
NOT ACCEPTED. OPERLOG IS  
ACCEPTED. REASON=reason-code**

**Explanation:** The hardcopy console specified in the CONSOLxx parmlib member is not valid. Because the operations log was also specified, it will receive the hardcopy message set.

In the message text:

xx	The suffix of the CONSOLxx parmlib member.
dddd	The device number of the console.
reason-code	The reason code, as follows:
1	dddd is not a console. The CONSOLE statement defining the device as a console might be missing.
2	dddd is not a valid device number.
3	dddd is a display console. A display console cannot be used as a hardcopy device.

**System Action:** The system ignores the request for a hardcopy console and continues processing. The system logs messages to the operations log only.

**System Programmer Response:** Before the next system initialization, ensure the following:

- The device number is the same in both the I/O definition file (IODF) and the CONSOLE statement in the CONSOLxx parmlib member.
- The device type is the same in both the IODF and the CONSOLE statement in the CONSOLxx parmlib member.
- A hardcopy device is defined as a console (not a display console) in CONSOLxx.

**Source:** Master scheduler

**Detecting Module:** IEAVN615

**IEA510A      LNKST PROCESSING IS  
INOPERATIVE, HIT ENTER TO  
CONTINUE WITH THE DEFAULT  
LNKLST OR RE-IPL THE SYSTEM**

**Explanation:** The nucleus initialization program (NIP) detected unrecoverable errors during the initialization of the LNKST function. The LNKST function cannot operate because of the errors. In most cases, the system an accompanying diagnostic message identifies the specific type of error.

**System Action:** NIP does not initialize the LNKST function. Initialization processing waits for your response.

**Operator Response:** Notify the system programmer about this message and any accompanying diagnostic message. To continue initialization with the default LNKST, press ENTER. Otherwise, IPL the system again.

**Application Programmer Response:** To correct the condition that caused the problem, respond to the accompanying diagnostic message, then reIPL the system.

**Source:** Contents supervision (CSV)

**IEA512W      h.IODFxx IS NOT VALID. SUFFIX  
RANGE IS '00' THRU 'FF'.**

**Explanation:** The specified input/output definition file (IODF) suffix is not a valid hexadecimal number.

In the message text:

h	The high level qualifier of the IODF data set name (DSN).
xx	The suffix of the IODF DSN.

**System Action:** The system ends initialization. The system enters nonrestartable wait state X'0B1' with reason code X'008'.

**System Programmer Response:** See the system programmer response for wait state X'0B1'.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IEAIPL43

**IEA513W      DATASET NOT FOUND ON DEVICE  
dev: dsname**

**Explanation:** The system cannot find a data set name because one of the following conditions exists:

- The device number is incorrect
- The wrong LOADxx suffix was entered in the load frame parameter

In the message text:

*dev*

The device number.

*dsname*

The data set name. It is one of the following:

- SYS1.PARMLIB
- *h*.IODFxx, where *h* is the high level qualifier.

**System Action:** The system ends initialization. The system enters nonrestartable wait state X'0B1' with reason code X'001'.

**Operator Response:** Do one of the following:

- If the data set name is SYS1.PARMLIB, correct the IPL device number or enter the correct device number for the parmlib member in the IPL load parameter.
- If the data set name is *h*.IODFxx, enter the correct LOADxx suffix in the in the IPL load parameter.

If the data set name is not one of the above, notify the system programmer.

**System Programmer Response:** See the system programmer response for wait state X'0B1' with reason code X'001'.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IOSIOFR

---

#### IEA514W MORE THAN ONE EXTENT FOR *dsname*

**Explanation:** A data set in the LOADxx parmlib member occupies more than one extent.

In the message text:

*dsname*

The data set name.

**System Action:** The system ends initialization. The system enters nonrestartable wait state X'0B1' with reason code X'002'.

**System Programmer Response:** See the system programmer response for wait state X'0B1'.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IOSIOFR

---

#### IEA515W DEVICE NUMBER *dev* NOT DEFINED TO THE CHANNEL SUBSYSTEM

**Explanation:** During system initialization, the system could not find a subchannel for the device that contains the parmlib member.

In the message text:

*dev*

The device number.

**System Action:** The system ends initialization. The system enters nonrestartable wait state X'0B1' with reason code X'003'.

**System Programmer Response:** See the system programmer response for wait state X'0B1'.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IOSIOFR

---

#### IEA516W MODIFY SUBCHANNEL FAILED FOR DEVICE NUMBER *dev*

**Explanation:** During system initialization, the Modify Subchannel (MSCH) instruction failed while the system was trying to enable a device.

In the message text:

*dev*

The device number.

**System Action:** The system ends initialization. The system enters nonrestartable wait state X'0B1' with reason code X'004'.

**System Programmer Response:** See the system programmer response for wait state X'0B1'.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IOSIOFR

---

#### IEA517W IODF IS NOT VALID FOR AN IPL

**Explanation:** During system initialization, the system found an incorrect I/O definition file (IODF) data set name in the LOADxx parmlib member.

**System Action:** The system ends initialization. The system enters nonrestartable wait state X'0B1' with reason code X'005' or X'00A'.

**System Programmer Response:** See the system programmer response for wait state X'0B1'.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IEAIPL43

---

#### IEA518W CONFIGURATION ID xxxxxxxx NOT FOUND IN IODF.

**Explanation:** During system initialization, the system could not find the configuration identifier from the LOADxx parmlib member in the I/O definition file (IODF).

In the message text:

xxxxxxx

The configuration identifier.

**System Action:** The system ends initialization. The system enters nonrestartable wait state X'0B1' with reason code X'006'.

**System Programmer Response:** See the system



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programmer response for wait state X'0B1'.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IEA IPL43

---

### IEA519I IODF DSN = *dsname*

**Explanation:** This message identifies the I/O definition file (IODF) data set name.

In the message text:

*dsname*

The data set name.

**System Action:** System initialization continues.

**System Programmer Response:** If the IODF data set name is incorrect, enter the correct name in the LOADxx parmlib member. Then ask the operator to reIPL the system.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IEA IPL43

---

### IEA520I CONFIGURATION ID = xxxxxxxx. IODF DEVICE NUMBER = *dev*

**Explanation:** This message identifies the configuration identifier and the I/O definition file (IODF) device number.

In the message text:

xxxxxxx

The configuration identifier.

*dev*

The device number.

**System Action:** System initialization continues.

**Operator Response:** If the IODF device number is incorrect, enter the correct IODF device number in the IPL load parameter. Then reIPL the system. If the problem persists, contact the system programmer.

**System Programmer Response:** If the configuration identifier is incorrect, enter a different configuration identifier in the LOADxx parmlib member. Then ask the operator to reIPL the system.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IEA IPL43

---

### IEA521I *devtype* DEVICE TYPE NOT RECOGNIZED (*num* DEVICES)

**Explanation:** The system could not find a valid unit information module (UIM) for the specified device type.

In the message text:

*devtype*

The device type.

*num*

The number of devices.

**System Action:** System initialization continues. The system does not recognize any devices of the specified device type.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IEA IPL71

---

### IEA522I UIM *modname* DID NOT BUILD A DFT FOR DEVICE NUMBER *dev*

**Explanation:** A unit information module (UIM) did not build a device features table (DFT) for the specified device number. The device type is not supported by the system level.

In the message text:

*modname*

The name of the UIM.

*dev*

The device number.

**System Action:** System initialization continues. The system does not recognize the device types defined by the UIM.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IEA IPL71

---

### IEA523W NO DEVICES DEFINED

**Explanation:** The system cannot recognize any of the devices defined in the I/O definition file (IODF). This error occurred for one of the following reasons:

- The IODF does not contain any devices defined to the system.
- The unit information modules (UIM) supporting these devices are not present.

**System Action:** System initialization ends. The system enters nonrestartable wait state X'0B2'.

**System Programmer Response:** See the system programmer response for wait state X'0B2'.

**Source:** Input/output supervisor (IOS)

---

### IEA525W UIM *modname* SPECIFIED UNDEFINED DEVICE NUMBER *dev*

**Explanation:** A user interaction module (UIM) asked to use the device class extension of the unit control block (UCB) for a device. The system did not build a UCB for

that device because of a logic error in the UIM.

In the message text:

*modname*

The unit information module (UIM).

*dev*

The device number.

**System Action:** System initialization ends. The system enters nonrestartable wait state X'0B4'.

**System Programmer Response:** See the system programmer response for wait state X'0B4'.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IOSIUCB

---

#### IEA526I      SYSDNAME SYSTEM PARAMETER INVALID

**Explanation:** During system initialization, the nucleus initialization program (NIP) found an incorrect SYSDNAME parameter. The incorrect SYSDNAME parameter was specified in either an IEASYSxx or IEASYMxx parmlib member or by the operator in response to message IEA101A.

**System Action:** The system issues message IEA527A to prompt the operator for a reply.

**Operator Response:** Enter SYSDNAME=*sysname*, where *sysname* is a valid system name, in reply to message IEA527A.

**System Programmer Response:** Correct the SYSDNAME system parameter in the IEASYSxx or IEASYMxx parmlib member used to IPL the system.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPCF

---

#### IEA527A      SPECIFY REQUIRED SYSDNAME PARAMETER. SYSDNAME=

**Explanation:** During system initialization, the system name in the SYSDNAME parameter is incorrect or missing.

**System Action:** The system prompts the operator for the correct SYSDNAME.

**Operator Response:** Enter SYSDNAME=*sysname*, where *sysname* is one to eight characters, each of which is a alphanumeric or national character. The name that is chosen should uniquely identify the system that is being IPLed.

**System Programmer Response:** Add or correct the SYSDNAME parameter in the IEASYSxx or IEASYMxx parmlib member used to IPL the system.

**Source:** System initialization (IPL/NIP)

**Detecting Module:** IEAVNPCF

---

#### IEA540I      *taskname* TASK FAILED - RESTART ATTEMPT IN PROGRESS.

**Explanation:** *taskname* is one of the following:  
ADDRESS SPACE TERMINATION  
DUMP  
RECORD

One of the permanent tasks in the recovery termination manager (RTM) failed.

In the message text:

**ADDRESS SPACE TERMINATION**  
The RTM address space failed.

**DUMP**  
The RTM dump task failed.

**RECORD**  
The RTM recording task failed.

**System Action:** One of the following:

- If the task was not attempting to restart when it failed, RTM issues this message. RTM attempts to restart the task.
- If the task was attempting to restart, RTM also issues message IEA541E. RTM does not try to restart the task.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTMS1

---

#### IEA541E      *taskname* TASK FAILED DURING RESTART ATTEMPT.

**Explanation:** *taskname* is one of the following:  
ADDRESS SPACE TERMINATION  
DUMP  
RECORD

One of the permanent tasks in the recovery termination manager (RTM) failed. This task had failed previously and was attempting to restart when a second error occurred.

In the message text:

**ADDRESS SPACE TERMINATION**  
The RTM address space failed.

**DUMP**  
The RTM dump task failed.

**RECORD**  
The RTM recording task failed.

**System Action:** The system does not try to restart the task. The task's function will not be available until the system is initialized again.

**Operator Response:** RelIPL the system.

**Source:** Recovery termination manager (RTM)

## IEA542I • IEA546E

**Detecting Module:** IEAVTMSI

---

**IEA542I**     *taskname* **TASK RESTART COMPLETED SUCCESSFULLY.**

**Explanation:** *taskname* is one of the following:  
ADDRESS SPACE TERMINATION  
DUMP  
RECORD

One of the permanent tasks in the recovery termination manager (RTM) failed, but restarted itself.

In the message text:

**ADDRESS SPACE TERMINATION**  
The RTM address space failed.

**DUMP**  
The RTM dump task failed.

**RECORD**  
The RTM recording task failed.

**System Action:** The task is now available for processing.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTSDT, IEAVTMTC,  
IEAVTR2S, IEAVTRET

---

**IEA544I**     **EXTERNAL INTERRUPT IGNORED. [NO FULL CAPABILITY CONSOLES DEFINED OR] MASTER CONSOLE WAS VARIED OFFLINE.**

**Explanation:** The system did not process an external interrupt.

In the message text:

**NO FULL CAPABILITY CONSOLES DEFINED**  
No full capability consoles are defined in the  
CONSOLxx parmlib member.

**MASTER CONSOLE WAS VARIED OFFLINE**  
The master console was varied offline.

**System Action:** The system assigns the specified name to the console. The system continues processing.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVMQWR

---

**IEA545W**     **MULTIPLE CONSOLE SUPPORT INOPERATIVE MESSAGE IEA367A COULD NOT BE DISPLAYED ERROR CODE = cccc**

**Explanation:** Multiple console support (MCS) is inoperative. The system tried to display message IEA367A, but failed.

In the message text:

*cccc*     The error code. It is the same as would have been displayed in message IEA367A.

**System Action:** The system enters restartable wait state X'202'.

**Operator Response:** See the operator response for wait state X'202'.

**System Programmer Response:** See the system programmer response for wait state X'202'. See message IEA367A for a description of error codes.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN701

---

**IEA546E**     *text*

**Explanation:** In the message text, *text* is:

**NO FULL CAPABILITY MCS OR SMCS CONSOLES, REASON=*reason* TO RELIEVE THIS CONDITION: PRESS THE ENTER KEY ON ANY AVAILABLE FULL CAPABILITY CONSOLE AND PRESS THE EXTERNAL INTERRUPT KEY**

OR

**ISSUE VARY CONSOLE OR CONTROL V COMMAND TO RESTORE A FULL CAPABILITY CONSOLE**

OR

**LOG ON TO A FULL CAPABILITY SMCS CONSOLE.**

Console switch processing results in loss of all the full capability multiple console support (MCS or SMCS) consoles. The failing console's undelivered (UD) messages will be re-routed to consoles with the UD attribute or a console with master authority. The system will send other messages to the hard-copy log.

In the message text:

**REASON=*reason***

Communications task (COMMTASK) lost all the full capability MCS or SMCS consoles. *reason* is one of the following:

**EXT**     The operator pressed the external interrupt key.

**IOER**     An I/O error occurred on the failing console.

**SWER**     A software error occurred for the failing console.

**VMST** The operator entered the VARY MSTCONS command.

**OPER** An open failure occurred for the console.

**CF CHP**  
The operator entered a CONFIG CHP command.

**CQEER**  
CQE error for a console.

**SFAIL** A system in the sysplex failed.

**LOGOFF**  
The failing console was an SMCS console that was deactivated, either by a LOGOFF command or a VARY command.

**Note:** This applies only to SMCS.

**System Action:** The system continues processing. Consoles with the UD attribute or the system console receive the failing console's undelivered messages. If there are no other consoles with the UD attribute (including the hard-copy log), the system sends the failing console's UD messages to the system console. The system sends all other messages to the hard-copy log.

**Operator Response:** Activate a master authority MCS or SMCS console.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVSWCB, IEAVSWCR

---

**IEA548W NIP CONSOLE UNAVAILABLE. INITIALIZATION CANNOT PROCEED. FAILING MESSAGE: *text***

**Explanation:** During initialization, a console was not available. The system must issue a write to operator with reply (WTOR) or emergency message.

In the message text:

*text* The first 8 lines of the message which could not be delivered.

**System Action:** The system enters nonrestartable wait state X'A70'.

**Operator Response:** RelPL when the system console is available.

**System Programmer Response:** See the system programmer response for wait state X'A70'.

**Source:** Communications task (COMMTASK)

---

**IEA549I SYSTEM CONSOLE FUNCTIONS AVAILABLE SYSTEM CONSOLE NAME ASSIGNED *consname***

**Explanation:** The system initialized the system console as an extended console. The console is now available for message and command processing.

In the message text:

*consname*  
The name the system assigns to the system console.

**System Action:** The system assigns the specified name to the console. The system continues processing.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVN701

---

**IEA554I CONSOLE DELAYED SVC PROCESSING SUSPENDED. RESTART {PENDING | SUCCESSFUL}**

**Explanation:** The system is delaying message processing because of errors.

In the message text:

**PENDING**  
The restart is pending.

**SUCCESSFUL**  
The restart was successful.

**System Action:** The system tries to restart message processing. If **SUCCESSFUL** appears in the message text, the restart was successful.

**Source:** Communications task (COMMTASK)

---

**IEA555E CONSOLE DELAYED SVC PROCESSING ABORTED. RESTART UNSUCCESSFUL**

**Explanation:** The system is delaying message processing because of errors.

**System Action:** The system does not display branch-entered write to operator with reply (WTOR) messages. The system storage may become filled with messages waiting to be issued.

**Operator Response:** RelPL the system when it is convenient.

**Source:** Communications task (COMMTASK)

---

**IEA557A MULTIPLE REQUESTORS FOR REPLY ID 0, REPLY TO ID 0 ON *sysname***

**Explanation:** An authorized program issued a write to operator with reply (WTOR) message while access to a global reply identifier pool was restricted. Another program is using reply identifier 0.

## IEA590I • IEA598I

In the message text:

*sysname*

The name of the system on which the authorized program is running.

**System Action:** The program that issued the WTOR waits until a reply identifier becomes available.

**Operator Response:** Reply to the WTOR as soon as possible.

**Source:** Communications task (COMMTASK)

---

### IEA590I WTO USER EXIT *text*

**Explanation:** *text* is one of the following:

*exit-name* ABENDED

IEAVMXIT ABENDED

IEAVMXIT NOT FOUND

IEAVMXIT NOT LOADED - NO STORAGE  
AVAILABLE

An error occurred during the initialization or running of a WTO installation exit routine.

In the message text:

*exit-name* **ABENDED**

The WTO installation exit abnormally ended. The system marked it as nonexecutable.

In the message text:

*exit-name*

The name of the installation exit.

### IEAVMXIT ABENDED

The general WTO installation exit routine abnormally ended. The system marked it as nonexecutable.

### IEAVMXIT NOT FOUND

The system could not load installation exit routine IEAVMXIT from any system library.

### IEAVMXIT NOT LOADED - NO STORAGE AVAILABLE

Storage was requested for the general WTO installation routine IEAVMXIT, but the storage was not available.

**System Action:** The system action is one of the following:

*exit-name* **ABENDED**

The system abnormally ends user exit *exit-name*.

### IEAVMXIT ABENDED

The system abnormally ends installation exit IEAVMXIT.

### IEAVMXIT NOT FOUND

The system does not process the CONTROL M command.

### IEAVMXIT NOT LOADED - NO STORAGE AVAILABLE

The system does not process the CONTROL M command.

**Operator Response:** Contact the system programmer.

**System Programmer Response:** Respond to the error messages as follows:

*exit-name* **ABENDED**

Enter the SET MPF=NO command to remove the erroneous exit routine, then enter the SET MPF command to invoke a correct WTO installation exit.

### IEAVMXIT ABENDED

Enter the CONTROL M,UEXIT=N command to delete the erroneous IEAVMXIT routine, then enter the CONTROL M,UEXIT=Y command to activate the corrected IEAVMXIT routine.

### IEAVMXIT NOT FOUND

Place the installation exit routine, IEAVMXIT, in a system library in the LNKLIST concatenation.

### IEAVMXIT NOT LOADED - NO STORAGE AVAILABLE

Increase the storage in the common service area (CSA) by changing the CSA specification in the SYSP parameter. Then reenter the CONTROL M command to activate the installation exit.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVVINT, IEAVX600

---

### IEA598I TIME ZONE = *d.hh.mm.ss*

**Explanation:** This message displays the time zone, which is the difference between local time and Greenwich mean time (GMT).

In the message text:

*d* The location of the time zone in relation to GMT, as follows:

**E** A time zone east of GMT.

**W** A time zone west of GMT.

*hh.mm.ss*

The difference in hours (00-15), minutes (00-59), and seconds (00-59) from GMT.

**System Action:** The system continues processing.

**System Programmer Response:** If the time zone value is unacceptable, specify a different value in the CLOCKxx parmlib member.

**Source:** Timer supervision

**Detecting Module:** IEAVNP20

---



---

**IEA599I      CLOCKxx LINE nnnn: text STMT  
                 IGNORED. UNRECOGNIZED PARM.**

**Explanation:** A statement in a CLOCKxx parmlib member contains an incorrect parameter.

In the message text:

**CLOCKxx**

The parmlib member, with the suffix xx.

*nnnn*      The line number in the CLOCKxx parmlib member that contains the ignored statement.

*text*      The statement that contains the incorrect parameter.

**System Action:** The system ignores all CLOCKxx parmlib members. The system issues message IEA906A.

**Operator Response:** Reply to message IEA906A. If you press the enter button on the console, the system sets the following defaults:

- The system does not prompt the operator during time-of-day (TOD) initialization.
- The system sets the local time equal to the Greenwich mean time (GMT).

**System Programmer Response:** Check for misspelled parameters in the CLOCKxx parmlib member from the specified keyword to the end.

**Source:** Timer supervision

**Detecting Module:** IEAVNP20

---

**IEA600I      CLOCKxx LINE nnnn: TIMEZONE STMT  
                 IGNORED. VALUE NOT VALID.**

**Explanation:** A TIMEZONE statement in the CLOCKxx parmlib member contains an incorrect specification:

- The syntax of the statement is incorrect
- The value is outside the correct range (00.00.00 - 15.00.00 hours).

In the message text:

**CLOCKxx**

The parmlib member, with the suffix xx.

*nnnn*      The line number in the CLOCKxx parmlib member that contains the ignored statement.

**System Action:** The system ignores all CLOCKxx parmlib members. The system issues message IEA906A.

**Operator Response:** Reply to message IEA906A. If you press the enter button on the console, the system sets the following defaults:

- The system does not prompt the operator during time-of-day (TOD) initialization.
- The system sets the local time equal to the Greenwich mean time (GMT).

**System Programmer Response:** Check for misspelled parameters in the CLOCKxx parmlib member. Ensure that the value for TIMEZONE is within the valid range (00:00:00 - 15:00:00).

**Source:** Timer supervision

**Detecting Module:** IEAVNP20

---

**IEA601I      CLOCKxx LINE nnnn: DUPLICATE text  
                 STMT IGNORED**

**Explanation:** A statement in the CLOCKxx parmlib member is a duplicate.

In the message text:

**CLOCKxx**

The parmlib member, with the suffix xx.

*nnnn*      The line number in the CLOCKxx parmlib member that contains the duplicate statement.

*text*      The duplicate statement.

**System Action:** The system ignores the duplicate statement. The system continues processing.

**System Programmer Response:** Remove the duplicate statement from CLOCKxx

**Source:** Timer supervision

**Detecting Module:** IEAVNP20

---

**IEA602I      ADDRESS SPACE CREATE FAILED.  
                 text**

**Explanation:** A request to create a new address space could not be honored because of an error or a resource limitation.

In the message text:

*text*

One of the following:

**THE GETMAIN FOR THE ASCB FAILED**

Storage could not be obtained from SQA for the new address space's ASCB or ASSB.

**MAXUSERS WOULD HAVE BEEN EXCEEDED**

The maximum number of allowable address spaces as specified in the MAXUSER parameter in the IEASYSxx parmlib member.

**ADDRESS SPACE SERVICES FAILED**

Address space services suffered an error which prevented the address space creation.

**A STORAGE SHORTAGE EXISTS**

There is insufficient SQA, pageable storage, or auxiliary storage available.

**AN UNEXPECTED ERROR OCCURRED**

An unexpected error occurred which prevented the address space creation.

**System Action:** The system was unable to create the

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requested new address space. The system continues processing without the new address space.

**Operator Response:** Notify the System Programmer.

**System Programmer Response:** Resolve the resource shortage if the problem is a shortage of SQA, auxiliary storage, or MAXUSERS. For the unexpected error cases, check the logrec data set for an error record or retry the request.

**Source:** Supervisor control

**Detecting Module:** IEAVEMRQ

---

### IEA603I NO UCBS BUILT FOR *nnnnn* 4-DIGIT DEVICES FOUND IN THE IODF

**Explanation:** Initial program load (IPL) completed successfully but the system has encountered *nnnnn* 4-digit devices.

In the message text:

*nnnnn* The number of 4-digit devices encountered.

**System Action:** Processing continues. No UCBs are built for the *nnnnn* 4-digit devices.

**Detecting Module:** IEAIPL71

---

### IEA607E THE DUMPSRV ADDRESS SPACE HAS FAILED AND CANNOT RESTART

**Explanation:** Errors occurred in dumping services, which processes SVC dumps. The dumping services address space (DUMPSRV) has ended several times in succession. Dumping services cannot do the following:

- Give control to the post dump installation exit routine
- Process a dump request
- Process a DUMPDS operator command

SYS1.DUMP*nn* data sets that were added are no longer allocated for dumps. These data sets could contain SVC dumps; do not delete these dump data sets.

**System Action:** The system continues processing with no SVC dumping capability.

**Operator Response:** RelIPL the system to reinitialize and restart the dumping services address space.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTSDR

---

### IEA607I THE DUMPSRV ADDRESS SPACE HAS FAILED AND IS RESTARTING

**Explanation:** Errors occurred in dumping services, which processes SVC dumps. The dumping services address space (DUMPSRV) is ending. Dumping services is running but cannot do the following:

- Process a dump request
- Give control to the post dump installation exit routine

- Process a DUMPDS operator command

**System Action:** The system restarts the dumping services address space. When the restart is complete, complete dump processing is available again.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTSDR

---

### IEA611I {COMPLETE|PARTIAL} DUMP ON *dsname*

*text*

**Explanation:** Where *text* is:

```
DUMPID=dumpid REQUESTED BY JOB (jobname)
FOR ASIDS(id,id,...)
[REMOTE DUMPS REQUESTED]
  REMOTE DUMP FOR SYSNAME: sysname]
INCIDENT TOKEN: incident-token
[SDRSN = vvvvvvvv vvvvvvvvvv xxxxxxxx zzzzzzzz]
[reason-text]
[ERRORID = SEQ yyyyyy CPUzz ASIDasid
  TIMEhh.mm.ss.t] [TSOID = tsoid]
[ID = uuuuuuuuu]
```

The system wrote a complete or partial SVC dump to an automatically allocated dump data set on a direct access storage device. In the message text:

#### COMPLETE

The SVC dump was complete.

#### PARTIAL

The SVC dump was not complete.

*dsname*

The dump was written to the data set named *dsname*.

*dumpid*

The 3-character dump identifier.

*jobname*

The name of the job that requested the dump.

*id* The address space identifiers (ASID), in hexadecimal, for the address spaces included in the dump.

#### REMOTE DUMPS REQUESTED

The SDUMPX macro or DUMP command that requested this dump also requested dumps on other systems in the sysplex.

**REMOTE DUMP FOR SYSNAME:** *sysname*

This dump was requested by *sysname*, which is another system in the sysplex.

**INCIDENT TOKEN:** *incident-token*

The formatted incident token for the dump.

**SDRSN =** *vvvvvvvv vvvvvvvvvv xxxxxxxx zzzzzzzz*

The system wrote only a partial dump.

*vvvvvvvv*

Partial dump reason code. One of the following:

**80000000**

A system request block (SRB) for the dump could not be scheduled to the requested address space. Either no current address space had the requested ASID or the system was ending the address space with that ASID.

**40000000**

SVC dump processing could not obtain real storage manager (RSM) serialization because of a hierarchy problem.

**20000000**

SVC dump processing could not obtain RSM serialization because of a RSM control problem.

**10000000**

SVC dump processing could not obtain a central storage buffer from the real storage manager.

**08000000**

An error in scheduled SVC dump processing caused recovery to receive control.

**04000000**

An error in summary dump processing caused recovery to receive control.

**02000000**

An error in summary dump processing or suspend summary dump processing caused recovery to receive control.

**00400000**

An error caused the loss of the summary dump.

**00200000**

During suspend summary dump processing, the virtual storage buffer filled up.

**00100000**

No more summary dump data could be written because the central storage buffer was full.

**00080000**

While the system was writing a trace table, an error occurred. The trace table could not be written.

**wwwwwwww**

Partial dump reason code. One of the following:

**00010000**

During dump processing of a possibly hung address space, the address was found to be invalid. The dump data may not be consistent.

**00020000**

During dump processing of a possibly hung address space, dump processing obtained only fixed storage for the address space.

**80000000 | 40000000**

While processing SVC X'33', the system detected an error and gave recovery control.

**20000000**

The system detected an error in the SVC dump task and gave recovery control.

**10000000**

The SVC dump task failed.

**08000000**

The system detected an error while writing a trace table. The system could not write the trace table.

**04000000 | 02000000**

While processing an SVC dump, the system detected an error and gave recovery control.

**01000000**

The started dump task failed.

**00800000**

A task abnormally ended, and SVC dump processing took a partial dump. The resource manager for SVC dump processing receives control.

**00400000**

The system detected an error in the SVC dump writing task and gave recovery control.

**00200000**

An address space involved in the dump abnormally ended, and SVC dump took a partial dump. The resource manager for SVC dump processing receives control.

**00100000**

The DUMPSRV address space abnormally ended, and SVC dump processing took a partial dump. The resource manager for SVC dump processing receives control.

**00080000**

While processing the dump header, the system ran out of space to place data.

**00040000**

During dump processing of local storage, the system issued a PURGEDQ because a hung address space was detected. This will result in the loss of some storage related to the address space.

**00020000**

During dump processing of a possibly

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hung address space, dump processing obtained only fixed storage for the address space.

### 00010000

During dump processing of a possibly hung address space, the address space was found to be invalid. The dump data may not be consistent.

### xxxxxxx

Partial dump reason code. One of the following:

### 80000000

While building the address range table for global storage areas, SVC dump processing filled the table and remaining entries could not be added.

### 40000000

While building the address range table for local storage areas, SVC dump processing filled the table and remaining entries could not be added.

### 20000000

While building the address range table, SVC dump processing filled the table and remaining entries could not be added.

### 10000000

While dump processing was writing to the dump data set, an I/O error occurred.

### 08000000

The dump data set is full, but more data needs to be dumped.

### 04000000

An error occurred while writing the summary dump.

### 02000000

An error occurred while dump processing was obtaining trace data.

### 01000000

While dump processing was setting up the service request block (SRB) under which the dump was to be processed, an error occurred.

### 00800000

An error occurred in an exit routine.

### 00400000

An error occurred while writing the end-of-data record to the dump data set.

### 00200000

Some read-only ranges of data could not be added to the range table.

### 00100000

While dump processing was copying global storage into a data space, an error occurred.

### 00080000

While dump processing was copying a sub-range of common storage into a data space, an error occurred.

### 00040000

An error occurred in the processing of data spaces that were requested through the LISTD keyword on the SDUMPX macro, or through the DSPNAME parameter on the DUMP command.

### 00020000

Dump processing could not add some ranges of read/write storage to the range table.

### 00010000

SVC dump processing truncated the dump because the maximum amount of space was been reached.

### 00008000

While processing the SQA SDATA option, the system filled in the range table.

### 00004000

While processing the CSA SDATA option, the system filled in the range table. Remaining entries could not be added.

### 00002000

While processing global subpools, the system filled in the range table. Remaining entries could not be added.

### 00001000

While processing the LSQA SDATA option, the system filled in the range table. Remaining entries could not be added.

### 00000800

While processing the RGN SDATA option, the system filled in the range table. Remaining entries could not be added.

### 00000400

While processing private subpools, the system filled in the range table. Remaining entries could not be added.

### 00000200

While processing the SWA SDATA option, the system filled in the range table. Remaining entries could not be added.

### 00000100

While copying global data into a data space, dump processing was unable to capture some ranges of global storage.

**00000080**

An exit data space could not be created, or the data space was created but an ALET could not be obtained to access the data space.

**00000040**

A summary data space could not be created, or the data space was created but an ALET could not be obtained to access the data space.

**00000020**

A local data space could not be created, or the data space was created but an ALET could not be obtained to access the data space.

**00000010**

A global data space could not be created, or the data space was created but an ALET could not be obtained to access the data space.

**00000008**

SVC dump could not create or could not use the data spaces that are required to process the STRLIST request. Some data will not be included in the dump.

**00000001**

SVC dump processing truncated the dump because a critical shortage of auxiliary storage existed. See the information for message IRA201E to determine how to relieve the shortage.

**ZZZZZZZZ**

Partial dump reason code. One of the following:

**Bits in the first byte indicate a result that occurred because one or more of the following conditions may exist-**

- a. there is a shortage of central storage b.
- there is a shortage of auxiliary storage c.
- the DUMPSRV address space dispatching priority is too low

**80000000**

Dump processing had reset the system dispatchable and dump processing failed or ended, leaving the system set non-dispatchable. dump was lost.

**40000000**

Dump processing had reset the tasks dispatchable in one or more address spaces involved in the SVC dump. Then dump processing failed or ended, leaving the tasks non-dispatchable.

**20000000**

Dump processing reset the caller's unit of work, which was stopped as part of suspend summary dump processing. Then

dump processing failed during suspend summary dump processing, leaving the caller suspended.

**10000000**

IEAVTSDB released serialization for all serialized structures specified in the STRLIST because SDUMP appears to have failed or ended.

**08000000**

The central storage buffer containing the summary dump was released when it was determined that dump processing was hung. The summary dump was lost.

**00800000**

Facility not available. Some structures will not be dumped.

**00400000**

The structure is not available for one of the following reasons:

- The system detected a structure failure and the structure cannot be accessed
- The structure is not allocated

**00200000**

No facility dump space is allocated or no facility dump space is available because it is being used to hold structure dump tables for other structure dumps

**00100000**

Possible error in STRLIST parameter list for one of the following reasons:

- The structure does not exist in the active policy
- The structure type is not compatible with the specified range options
- A lock structure was requested. SDUMP does not support lock structures

**00080000**

Some or all of the STRLIST could not be processed

**00040000**

The system released structure dump serialization before capturing all the data. The system captured the rest of the data after releasing serialization.

**00020000**

Recovery received control while processing STRLIST

**00010000**

SVC dump was unable to continue processing a structure requested in the STRLIST parameter list. This may be because the operator deleted the structure dump with the SETXCF FORCE command.



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### 00008000

Recovery received control while building the SDUMP signals for other systems in the sysplex

#### reason-text

One of the following:

#### SUMMARY DUMP INFORMATION WAS LOST

A problem arose where processing was unable to complete a requested summary dump. Refer to the description of the SDRSN bits that are set to determine whether the data was truncated, or completely lost.

#### A CRITICAL AUXILIARY STORAGE SHORTAGE EXISTED

SVC dump processing truncated the dump because a critical shortage of auxiliary storage existed. See message IRA201E to determine how to relieve the shortage.

#### DUMP DATA SET FULL - DUMP ENDED WHILE WRITING

{SUMDUMP|GLOBAL|LOCAL|STRLIST}

The dump data set is full, but more data needs to be dumped. The message indicates at what point the data set became full.

#### I/O ERROR - NO EOF WRITTEN - DUMP ENDED WHILE WRITING

{SUMDUMP|GLOBAL|LOCAL|STRLIST}

An I/O error occurred while the system was writing to the dump data set. The message indicates the system was dumping at the time of the I/O error.

#### MAXSPACE LIMIT REACHED WHILE CAPTURING DUMP

Insufficient space was available to capture the complete dump. See the MAXSPACE parameter of the CHNGDUMP SET,SDUMP command in *z/OS MVS System Commands*.

#### ERROR OCCURRED IN AN SDUMP EXIT

#### ERROR OCCURRED IN AN SDUMP LOCAL EXIT

#### ERROR OCCURRED IN AN SDUMP GLOBAL EXIT

#### ERROR OCCURRED IN AN SDUMP EARLY GLOBAL EXIT

#### ERROR OCCURRED IN AN SDUMP ONE-TIME-ONLY EXIT

#### ERROR OCCURRED IN AN SDUMP DYNAMIC LOCAL EXIT

#### ERROR OCCURRED IN AN SDUMP DYNAMIC GLOBAL EXIT

Dump processing encountered an unexpected error in an SDUMP exit of the specified type.

## SOME STORAGE COULD NOT BE DUMPED

RC=rc

Storage could not be dumped. rc can be one of the following:

- 04** The system could not find the requested ASIDs.
- 08** Not all of the data requested in a summary dump could be contained in the central storage buffer or virtual storage buffer.
- 12** Either (1) the internal SVC dump control blocks are full, so that some data was not dumped, or (2) dump processing received an error return code when it tried to dump the system trace.
- 16** SVC dump was not able to process all of the structures specified in the STRLIST parameter list.
- 20** SDUMP processing could not collect the local storage of at least one of the normally collected storage address spaces involved in the dump. Refer to the description of the SDRSN bits that are set for more information.

#### SYSTEM RESET DISPATCHABLE PRIOR TO DUMP COMPLETION

Dump processing failed or ended with the system set non-dispatchable. The system detected the error and reset dispatchable.

#### TASKS RESET DISPATCHABLE PRIOR TO DUMP COMPLETION

Dump processing failed or ended with tasks set non-dispatchable in one or more address spaces involved in the SVC dump. The system detected the error and reset the tasks dispatchable.

#### ENABLED CALLER RESET PRIOR TO DUMP COMPLETION

Dump processing failed or ended during suspend summary dump processing, leaving the caller suspended. The system detected the error and reset the caller's unit of work.

#### STRUCTURE DUMP SERIALIZATION RELEASED PRIOR TO DUMP COMPLETION

The SVC dump time disabled interruption exit routine released dumping serialization that was held for a structure requested in the STRLIST parameter list. Serialization was released because:

- The routine had detected that SVC dump processing was not continuing normally or had ended and left the structure serialized.
- ACESSTIME=ENFORCE was specified on the dump request (or defaulted) and the data requested in the STRLIST parameter

list for a requested structure was not completely processed within the time limit specified by the ACCESSTIME parameter on the IXLCONN macro.

#### ERROR OCCURRED IN SDUMP

Dump processing encountered an unexpected error.

**ERRORID = SEQ***yyyyyy* **CPU***zz* **ASID***asid*

**TIME***hh.mm.ss.t*

The error identifier.

*yyyyyy* The sequence number

*zz* The central processor address

*asid* The ASID for the address space in which the error occurred

*hh.mm.ss.t* The time in hours (00 through 23), in minutes (00 through 59), in seconds (00 through 59), and in tenths of a second (0 through 9).

**TSOID =** *tsoid*

The dump was generated for a SLIP trap that was set in a Time Sharing Option (TSO) session.

*tsoid* The identifier of the TSO user who defined the trap.

**ID =** *uuuuuuuuuu*

The component or subsystem identifier that was supplied in the ID keyword on the SDUMP or SDUMPX macro.

**System Action:** The system continues processing.

**Operator Response:** Notify the system programmer; identify the *dsname* of the dump.

**System Programmer Response:** Take the appropriate action as indicated in the following descriptions:

**DUMP DATA SET FULL - DUMP ENDED WHILE WRITING {SUMDUMP|GLOBAL|LOCAL|STRLIST}**

Format the partial dump.

Automatic allocation is not functioning properly. If the problem persists, search the problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Be able to provide:

- Logrec error records
- CHNGDUMP option settings
- DUMPDS status
- The partial SVC Dump
- Dump data set information

**I/O ERROR - NO EOF WRITTEN - DUMP ENDED WHILE WRITING**

**{SUMDUMP|GLOBAL|LOCAL|STRLIST}**

Look at the logrec error records to determine the device problem. Contact hardware support.

Format the partial dump. If a previous dump was in the dump data set, the data set may contain a combination of the two dumps.

#### ERROR OCCURRED IN SDUMP

Obtain the logrec error record. Search the problem reporting data bases for a fix for the problem. If no fix exists, notify the IBM Support Center. Provide the logrec error record.

**SOME STORAGE COULD NOT BE DUMPED RC=16**

Refer to the description of the SDRSN bits that are set. Use the IPCS Sub-Command STRDATA to format the list of structures that was requested to be dumped. The reason that the structures were not completely processed will be displayed.

**Source:** SVC dump

**Detecting Module:** IEAVTSDC

---

**IEA630I OPERATOR** *opername* **NOW ACTIVE,**  
**SYSTEM=***sysname*, **LU=***unitname*

**Explanation:** Multiple console support (MCS) activated an operator on a Time Sharing Option Extensions (TSO/E) terminal.

In the message text:

*opername*

The userid or console name of the TSO/E operator.

*sysname*

The name of the system to which the operator logged on. The system name is specified on the SYSNAME parameter in the IEASYSxx parmlib member.

*unitname*

The logical unit name. This name identifies the physical location of the terminal that the TSO/E operator used to logon to the system.

**System Action:** The system continues processing.

**Source:** Communications task (COMMTASK)

---

**IEA631I OPERATOR** *opername* **NOW INACTIVE,**  
**SYSTEM=***sysname*, **LU=***unitname*

**Explanation:** An operator on a Time Sharing Option Extensions (TSO/E) terminal became inactive.

In the message text:

*opername*

The userid or console name of the TSO/E operator.

*sysname*

The name of the system to which the operator logged on. The system name is the value of the SYSNAME parameter in the IEASYSxx parmlib member.

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### *unitname*

The logical unit name. This name identifies the physical location of the terminal that the TSO/E operator used to logon to the system.

**System Action:** The system continues processing.

**Source:** Communications task (COMMTASK)

---

### IEA650I      SYSPLEX DUMP DIRECTORY ENTRY NOT PROCESSED

**Explanation:** Because of a failure, the system could not automatically add a source description for an SVC dump to the sysplex dump directory. The cause of the failure could be that:

- The sysplex dump directory was full.
- A sysplex dump directory had not been created.
- The sysplex dump directory was not specified.
- The sysplex dump directory was continually in use.
- The SYSDDIR statement in the BLSCUSER parmlib has not been processed.

**System Action:** The source description for the dump is not added to the sysplex dump directory. Other processing continues. The system will re-try the addition later.

**Application Programmer Response:** Check the causes listed in the explanation and correct the problem.

**Source:** SVC dump

**Detecting Module:** IEAVTSST

---

### IEA651E      SYSPLEX DUMP DIRECTORY PROCESSING TERMINATED

**Explanation:** Because of a failure, the system could not automatically add a source description for an SVC dump to the sysplex dump directory. This is the tenth failure. The cause of the failures could be that:

- The sysplex dump directory was full.
- A sysplex dump directory had not been created.
- The sysplex dump directory was not specified.
- The sysplex dump directory was continually in use.
- The SYSDDIR statement in the BLSCUSER parmlib has not been processed.

**System Action:** The system disables the function to add source descriptions for SVC dumps to the sysplex dump directory. The system deletes the outstanding requests to add source descriptions; no new requests will be created.

**Application Programmer Response:** Check the causes listed in the explanation and correct the problem. Then cancel the DUMPSRV address space. When the DUMPSRV address space restarts, the add function is again enabled.

**Source:** SVC dump

**Detecting Module:** DSE

---

### IEA652A      WTO STORAGE EXHAUSTED - WTO WILL BE DISCARDED

**Explanation:** Outstanding WTO messages have used all of the available buffer space. Some WTOs will be discarded.

**System Action:** The system processes only WTO messages that might be critical to relieving the buffer shortage, such as responses to the D C,B and D R commands. All other WTO messages are discarded. Discarded messages are not sent to the console, the hardcopy log, the message exits, the SSI, or the joblog.

Commands issued while WTO storage is exhausted are executed, but command response messages are not displayed or logged except for responses to D C,B and D R commands.

JES3 monitors some command responses to update status for devices and jobs. Because these command responses are not issued JES3 is unable to process the status changes. When buffer space becomes available, the system issues message IEA655I.

**Operator Response:** Examine the output from the D C,B command. Based on the information displayed:

- If a console has accumulated a large number of messages, do one of the following:
  - Use the CONTROL Q command to reroute the messages
  - Use the CONTROL E command to delete messages
  - Use the CONTROL S command to put the console into roll mode and allow messages to roll off the screen
  - Use the VARY CN command to deactivate the console.
- If an address space has accumulated a large number of messages notify the system programmer.
- If a large number of messages have arrived from another system then diagnose the problem on the system sending the messages.
- If a large number of messages are waiting for delivery to another system, then try to relieve the buffer shortage on the target system.

**System Programmer Response:** If an address space has accumulated a large number of messages, follow the response for message IEA099A. Otherwise, follow the system programmer response for message IEA404A.

**Source:** Communications Task (COMMTASK)

**Detecting Module:** IEAVMQWR

---

---

**IEA653I      JOBNAME= *jobname* ASID= *asid* HAS  
REACHED *nn*% OF THE WTO BUFFER  
LIMIT**

**Explanation:** The job named in the message has used *nn*% of the limit of WTO buffers as determined by the value of MLIM in the CONSOLxx parmlib member. *nn*% is a percentage that is high enough to suggest a possible problem.

In the message text:

*jobname*

The name of the job that is using a large percentage of the WTO message buffers.

*asid*

The ASID of the named job.

*nn*.

the percent of the maximum number of WTO buffers used by the specified job.

**System Action:** The system continues processing.

**Operator Response:** Contact the system programmer.

**Application Programmer Response:** If your program is in a WTO loop, correct the program. Consider modifying the program so that it uses the MSGFLAG=BUSYEXIT parameter so that the system will return control to the program when the WTO buffer limit is reached.

**System Programmer Response:** Follow the response for message IEA099A.

**Source:** Communications Tack (COMMTASK)

**Detecting Module:** IEAVH600

---

**IEA654A      WTO BUFFER SHORTAGE ON SYSTEM  
*sysname1* IS AFFECTING MESSAGES  
ON SYSTEM *sysname2***

**Explanation:** System *sysname2* cannot send messages to system *sysname1* because system *sysname1* is experiencing a WTO buffer shortage.

In the message text:

*sysname1*

The name of the system that is experiencing a WTO buffer shortage.

*sysname2*

The name of the system that cannot send messages to system *sysname1*.

**System Action:** System *sysname2* holds messages for system *sysname1* until either:

- The WTO buffer shortage is relieved on system *sysname1*
- WTO buffers on system *sysname2* reach 80% full

**Operator Response:** Try to relieve the WTO buffer shortage on system *sysname1* as described in message IEA404A.

**System Programmer Response:** Follow the system programmer response for message IEA404A to reduce the probability of a WTO buffer shortage on system *sysname2*.

**Source:** Communications Tack (COMMTASK)

**Detecting Module:** IEAVG610

---

**IEA655I      WTOS NO LONGER BEING  
DISCARDED - *nnnnnnnn* MESSAGES  
WERE LOST WHILE WTO STORAGE  
WAS EXHAUSTED**

**Explanation:** The WTO storage shortage is less severe, and messages are no longer being discarded. This message only goes to the hardcopy log.

In the message text:

*nnnnnnnn*

The number of messages that were discarded. (When more than 99,999,999 messages have been discarded, *nnnnnnnn* contains \*\*\*\*\*.)

**System Action:** The system can now process some WTOs.

**Operator Response:** None.

**Source:** Communications Task (COMMTASK),

**Detecting Module:** IEAVMQWR

---

**IEA705I      ERROR DURING  
{GETMAIN|FREEMAIN}, SYS CODE=  
*cde-rc {jobname|aaa} stepname fb*  
*w1w2w3w4w5w6***

**Explanation:** The system found an error when processing a GETMAIN, FREEMAIN, or STORAGE macro.

In the message text:

*cde*                      The abend code.

*rc*                        The reason code.

*jobname*                The name of the job that was running when the error occurred.

*aaa*                      The return address of the calling routine. This field appears if the entry to GETMAIN or FREEMAIN was not through system linkage.

*stepname*                The name of the step that was running when the error occurred. (Attention: If this message was issued while running under the MSTR subsystem, this field may contain residual information and require verification against the ASCB and TCB information provided).

*fb*                        The flag byte, which indicates how the

## IEA710A

system entered GETMAIN or FREEMAIN. *fb* is one of the following:

- 00** System linkage was used. The GETMAIN or FREEMAIN was entered through one of the following:
  - A Supervisor Call (SVC) instruction generated by the GETMAIN or FREEMAIN macro
  - A Program Call (PC) instruction generated by a STORAGE macro
- 80** GETMAIN or FREEMAIN was entered through a Branch instruction generated by a GETMAIN or FREEMAIN macro.

*w1w2w3w4w5w6*

Variable data, in hexadecimal. The data depends on the abend code and reason code in the message text, as follows:

<i>cde</i>	<i>rc</i>	<i>w1</i>	<i>w2</i>	<i>w3</i>	<i>w4</i>	<i>w5</i>	<i>w6</i>
1xx	all	a	b	c	d	f	
2xx	all	a	b	c	h		
3xx	all	a	b	c	d	f	g
4xx	all	a	b	c	d	f	g
5xx	all	a	b	c	e		
6xx	all	a	b	c	e		
7xx	all	a	b	c	h		
8xx	4-14	a	b	c	d	f	
	18,20	a	b	c	d	f	g
	24,28	a	b	c	d	f	i
9xx	all	a	b	c	d	f	g
Axx	all	a	b	c	d	f	g
Bxx	4-4C	a	b	c	d		
	50-54	a	b	c	d	f	i
Dxx	04	a	b	c	d	f	g
	08	a	b	c	d	f	

In the table:

- a The current address space control block (ASCB) address.
- b The dispatched task control block (TCB) address.
- c The input TCB address.

- d The first two bytes are the subpool identifier requested. The third byte contains request flags, as follows:
  - 1... ....** The access list entry table (ALET) was specified on the STORAGE macro.
  - .1.. ....** Storage may be backed above or below 16 megabytes.
  - ..1. ....** Virtual storage may be above 16 megabytes.
  - ...1 ....** Virtual storage may be below 16 megabytes.
  - .... 1...** Request is variable-length.
  - .... .1..** Storage should be on page boundary.
  - .... ..1.** Request is unconditional.
  - .... ...1** Request is a FREEMAIN or STORAGE RELEASE.

The 4th byte is zero.

- e The address of the parameter list supplied by the caller.
- f The length of the area requested for GETMAIN, FREEMAIN, or STORAGE.
- g The starting address of the area to be freed.
- h The address of the virtual storage manager (VSM) work area.
- i The address specified on the INADDR parameter for the GETMAIN or STORAGE macro.

**System Action:** The system abnormally ends the job step.

**Operator Response:** See the operator response for the accompanying abend and reason codes.

**System Programmer Response:** See the system programmer response for the accompanying abend and reason codes.

**Source:** Virtual storage manager (VSM)

---

### IEA710A LPALST FUNCTION INOPERATIVE - HIT ENTER TO CONTINUE WITH THE DEFAULT LPALST OR RE-IPL THE SYSTEM

**Explanation:** The system was initializing the LPALST function, but it encountered an I/O while reading from one of the specified LPALSTxx parmlib members. An accompanying diagnostic message, such as IEA300I, IEA301I, or IEA306I, describes the specific error.

**System Action:** The system does not initialize the LPALST function. Initialization processing waits for your response.



**Operator Response:** Notify the system programmer about this message and the accompanying message. To continue system initialization with the default LPALST concatenation, press ENTER. Otherwise, reIPL the system.

**System Programmer Response:** To correct the condition that caused the problem, respond to the accompanying diagnostic message, then reIPL the system to build the LPALST concatenation.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05

#### IEA711E LPALST<sub>xx</sub> INPUT TRUNCATED AFTER *dsname*

**Explanation:** Too many data set names were specified for inclusion in the LPALST concatenation. LPALST<sub>xx</sub> is the parmlib member from which the last data set name, *dsname*, was obtained for the LPALST.

In the message text:

*xx* Identifies the parmlib member of LPALST.

*dsname*  
The specified data set name.

**System Action:** The system placed the data set names up to *dsname* in the LPALST concatenation. The system ignores the data set names after *dsname*.

The nucleus initialization program (NIP) issues this message when the concatenation is opened. LNKST lookaside reissues this message to ensure that it remains on the operator's screen.

**Operator Response:** Notify the system programmer.

**Application Programmer Response:** This is probably an installation error. Reduce the number of data sets specified for inclusion in LPALST. To reopen the LPALST concatenation, run a cold start initial program load (IPL).

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05

CSVLLCRE

#### IEA712I LPALST LIBRARY DATA SETS IGNORED

(*dsname*) (*text*)  
(*dsname*) (*text*)  
:  
:

**Explanation:** The data set named *dsname*, which was specified in the selected LPALST<sub>xx</sub> members of SYS1.PARMLIB, could not be concatenated to SYS1.LPALIB for the reason indicated in the message text.

In the message text:

*dsname*

The specified data set name.

*text*

One of the following:

##### UNABLE TO LOCATE

The system could not find a catalog entry for the data set.

##### UNABLE TO MOUNT

The system could not find the data set on the volume indicated by the system catalog. This condition will be accompanied by message IEA317A or IEA319I.

##### UNABLE TO OPEN

An error occurred while opening the data set. This condition will be accompanied by message IEA211I.

##### UNABLE TO INCLUDE

The data extent block (DEB) for the concatenation could not contain the number of extents required to include the data set.

**System Action:** The system continues processing.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** This is probably an installation error. Correct the condition that caused the problem.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05

#### IEA713I LPALST LIBRARY CONCATENATION (*dsname*) . . (*dsname*)

**Explanation:** This message lists the data sets, *dsname*, concatenated to SYS1.LPALIB.

In the message text:

*dsname*  
The specified data set name.

**System Action:** Normal processing continues.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05

#### IEA716I *text*-*member* DATA SET IGNORED *library*

*text* is one of the following:  
LIBRARY NOT LOCATED  
LIBRARY NOT IN APF TABLE  
UNABLE TO MOUNT VOLUME  
UNABLE TO OPEN LIBRARY

**Explanation:** The system could not process a library specified in a parmlib member.

In the message text:

## IEA738I • IEA763I

### LIBRARY NOT LOCATED

The system could not locate library *library* specified in parmlib member *member*

### LIBRARY NOT IN APF TABLE

Library *library* is not authorized by the authorized program facility (APF)

### UNABLE TO MOUNT VOLUME

The system could not mount the volume where library data set, *library* is located

### UNABLE TO OPEN LIBRARY

The system could not open the library data set, *library*

*member*

The parmlib member where the library was specified.

The parmlib member is one of the following:

- IEALPAXx
- IEAFIXxx

*library* The name of the library data set specified in the parmlib member, *member*

**System Action:** The system continues processing the indicated parmlib member, but does not process library *library*.

If **UNABLE TO MOUNT** or **UNABLE TO OPEN** appear in the message text, the system issues messages IEA211I, IEA307I, IEA311I, IEA312I, IEA314I, IEA317A, and IEA319I explaining the error.

**Operator Response:** If **UNABLE TO MOUNT** appears in the message text, mount the appropriate volume and reIPL the system.

See the operator response for accompanying messages.

**System Programmer Response:** If **UNABLE TO MOUNT** or **UNABLE TO OPEN** appear in the message text, see the system programmer response for accompanying messages IEA211I, IEA307I, IEA311I, IEA312I, IEA314I, IEA317A, or IEA319I.

If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Contents supervision (CSV)

**Detecting Module:** CSVMLPRM

IEANPE5

---

**IEA738I      MAXUSER=val1, RSVNONR=val2,  
              RSVSTRT=val3 SUM EXCEEDS  
              MAXIMUM OF 32767**

**Explanation:** The sum of the MAXUSER, RSVSTRT, and RSVNONR values exceeds the allowed maximum of 32,767. These parameters are specified in the IEASYSxx parmlib member and are added together to

compute the size of the address space vector table (ASVT).

In the message text:

*val1*      The value of MAXUSER in IEASYSxx

*val2*      The value of RSVNONR in IEASYSxx

*val3*      The value of RSVSTRT in IEASYSxx

**System Action:** The system prompts the operator to respecify the three parameters by issuing message IEA906A three times: once each for MAXUSER, RSVNONR, and RSVSTRT.

**Operator Response:** Respond to message IEA906A as the system programmer directs.

**System Programmer Response:** Do the following:

- Select a smaller value for one or all of the parameters.
- Ask the operator to respond to message IEA906A with the new values for the parameters.
- Correct the parameters in the IEASYSxx member so that this message will not be issued during every system initialization using IEASYSxx.

**Source:** Supervisor control

**Detecting Module:** IEAVNP09

---

**IEA740W      SUPERVISOR UNABLE TO RECOVER  
              FROM SVC D LOOP**

**Explanation:** While the system was processing the Supervisor Call (SVC) instruction for an ABEND macro, a program check occurred recursively.

**System Action:** The system enters wait state X'104'.

**Operator Response:** See the operator response for wait state X'104'.

**System Programmer Response:** See the system programmer response for wait state X'104'.

**Source:** Supervisor control

**Detecting Module:** IEAVESVR

---

**IEA763I      OPTIONS FOR OPERATIONS  
              COMPONENT TRACE ARE NOT VALID.**

**Explanation:** One of the following occurred:

1. The OPTIONS keyword, specified on the REPLY command in response to a TRACE CT,ON,COMP=SYSOPS command, was entered with incorrect options.
2. The operations component trace parmlib member specified on a TRACE CT,ON,COMP=SYSOPS,PARM=CTIOPSxx command contains incorrect options on the OPTIONS keyword.

3. The operations component trace parmlib member specified at IPL contains incorrect options on the OPTIONS keyword.

Valid options are:

- MESSAGES{,MSG=msgid}
- MSGDLVRY{,MSG=msgid}
- SYSPLEX
- WTO{,MSG=msgid}
- Combination of above options

**System Action:** If the error occurred during use of the TRACE CT command, the command is rejected. If the error occurred during system initialization, operations component trace (SYSOPS) will be initialized with the default tracing options.

**Operator Response:** Do one of the following:

- If the options were specified on the REPLY command, re-enter the TRACE command and specify the correct options on the REPLY command.
- If the options were contained in an operations CTRACE parmlib member that was specified on the PARM= keyword of the TRACE CT command, have the system programmer correct the parmlib member. When the parmlib member has been corrected, re-enter the TRACE CT command.
- If this message was issued during initialization, wait for the system initialization to complete and then enter the DISPLAY TRACE,COMP=SYSOPS command to display the current tracing options. If the desired options are not in effect, enter the TRACE CT command to change operations tracing activity as needed. Notify the system programmer that the parmlib member that was used contains errors.

**System Programmer Response:** If the incorrect options were listed in an operations CTRACE parmlib member, correct the parmlib member. Notify the operator when the parmlib member has been corrected.

**Source:** Communications Task (COMMTASK)

**Detecting Module:** IEAVH703

---

**IEA764I      REQUEST TO CHANGE OPERATIONS  
COMPONENT TRACE BUFFER SIZE  
FAILED**

**Explanation:** The system cannot obtain storage for the new trace buffer size requested. One of the following occurred:

- A TRACE CT,ON,COMP=SYSOPS command was entered with a new buffer size in the CTRACE parmlib member.
- A TRACE CT,nnnnK(or nnnnM),COMP=SYSOPS command was entered.

**System Action:** The TRACE CT command is rejected. The operations component trace buffer size is not changed.

**Operator Response:** Either adjust the amount

specified and re-enter the TRACE CT command, or re-enter the command later. There might have been a temporary storage shortage.

**Source:** Communications Task (COMMTASK)

**Detecting Module:** IEAVH703

---

**IEA765I      CTRACE DEFINE FOR SYSOPS  
FAILED, TRACING WILL BE  
INITIALIZED {WITH DEFAULT PARMLIB  
MEMBER | WITH NO PARMLIB  
MEMBER} , RETCODE=xx,  
RSNCODE=yy**

**Explanation:** Component trace initialization by the operations component has failed for one of two reasons:

1. A CTIOPSxx parmlib member (other than CTIOPS00) was specified and contains errors.
2. The CTIOPS00 parmlib member was either specified or used by default, and contains errors.

The return and reason codes are the result of a ?CTTRACE DEFINE macro call and are listed in the *z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN* under "CTTRACE Return and Reason Codes".

**System Action:** If a CTIOPSxx parmlib member other than CTIOPS00 (the default) was specified during initialization, the CTIOPS00 will be used to define OPS CTRACE. If CTIOPS00 was specified (or selected by default), OPS CTRACE will be defined using the OPS CTRACE defaults.

**System Programmer Response:** Correct the currently specified CTIOPSxx parmlib member or provide a valid CTIOPSxx parmlib member in SYS1.PARMLIB.

**Source:** Communications Task (COMMTASK)

**Detecting Module:** IEAVN704

---

**IEA766I      CTRACE DEFINE FOR SYSOPS  
FAILED, TRACING WILL NOT BE  
INITIALIZED, RETCODE=xx,  
RSNCODE=yy**

**Explanation:** Component trace initialization by the Operations component has failed when it tried to define the Operations component trace without a parmlib member. This case only occurs after CTIOPSxx failed and/or CTIOPS00 failed.

The return and reason codes are the result of a ?CTTRACE DEFINE macro call and are listed in the *z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN* under "CTTRACE Return and Reason Codes".

**System Action:** OPS CTRACE is not initialized.

**System Programmer Response:** Search the problem reporting data bases for a fix for the problem. If no fix

## IEA767A • IEA774I

exists, contact the IBM Support Center.

**Source:** Communications Task (COMMTASK)

**Detecting Module:** IEAVN704

---

### IEA767A OPERATIONS COMPONENT TRACE HAS WRAPPED AN ALREADY FULL BUFFER

**Explanation:** The operations component trace was started and the trace data was collected in operations trace buffers. Operations overlaid some older trace entries with newer trace entries when the operations trace buffers filled up.

**System Action:** The operations component trace continues. New trace entries continue to overlay older trace entries.

**System Programmer Response:** You probably started the operations component trace without first connecting a trace external writer. If the trace did not capture enough data to diagnose the problem, ask the operator to reenter the TRACE CT command and do one (or both) of the following:

- Increase the size of the operations component trace (SYSOPS) trace buffers
- Start an external writer and connect operations component trace (SYSOPS) to the external writer.

**Source:** Communications Task (COMMTASK)

**Detecting Module:** IEAVH704

---

### IEA767I OPERATIONS COMPONENT TRACE HAS WRAPPED AN ALREADY FULL BUFFER

**Explanation:** The operations component trace was started and the trace data was collected in operations trace buffers. Operations overlaid some older trace entries with newer trace entries when the operations trace buffers filled up.

**System Action:** The operations component trace continues. New trace entries continue to overlay older trace entries. The action message will be deleted when the condition is resolved, if the component trace abnormally terminates.

**Operator Response:** This message will be deleted if a valid TRACE CT command is issued with either the WTRSTRAT parameter or with COMP=SYSOPS specified.

**System Programmer Response:** You probably started the operations component trace without first connecting a trace external writer. If the trace did not capture enough data to diagnose the problem, ask the operator to reenter the TRACE CT command and do one (or both) of the following:

- Increase the size of the operations component trace (SYSOPS) trace buffers

- Start an external writer and connect operations component trace (SYSOPS) to the external writer.

**Source:** Communications Task (COMMTASK)

**Detecting Module:** IEAVH704

---

### IEA768I FAILURE IN CREATING DUMPSRV ADDRESS SPACE *mc*, *return-code*, *reason-code*

**Explanation:** An error occurred during the creation of the dumping services address space (DUMPSRV), which processes SVC dumps. Dumping services is running but cannot do the following:

- Give control to the post dump installation exit routine
- Process a dump request
- Process a DUMPDS operator command

In the message text:

<i>mc</i>	A module code, which is one of the following: <ul style="list-style-type: none"><li><b>01</b> The system experienced an error while creating the address space.</li><li><b>02</b> The DUMPSRV address space experienced the error.</li><li><b>04</b> A request for virtual storage for the SDUMP virtual buffer or the summary dump extended work area (SMEW) failed.</li></ul>
<i>return-code</i>	The return code placed in register 15 by the failing module.
<i>reason-code</i>	The reason code placed in register 0 by the failing module. When <i>mc</i> is 04, the system does not put a value into register 0.

**System Action:** The system continues processing, but cannot process dump requests. The system writes a logrec data set error record.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, report the problem to the IBM Support Center. Provide the logrec data set error record.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTSAI, IEAVTSAS

---

### IEA774I SUBCHANNEL INITIALIZATION FAILED FOR SUBCHANNEL *nnnn*, DEVICE NUMBER *dev*

**Explanation:** The system tried to initialize a subchannel for a device. The subchannel was not

operational, or busy in a state that could not be cleared.

In the message text:

*nnnn*

The subchannel identifier.

*dev*

The device number.

**System Action:** The system continues subchannel initialization with the next sequential subchannel number.

**Operator Response:** Contact hardware support.

**Source:** Input/output supervisor (IOS)

**Detecting Module:** IEAVNP02

---

#### IEA792I ADDRESS SPACE *asid* CANNOT BE TERMINATED - JOB [*jobname*]

**Explanation:** The system was trying to end an address space when an error occurred.

In the message text:

*asid* The address space identifier (ASID) of the address space that was ending.

*jobname*

The name of the job that was running in the address space. The job is one of the following:

- An initiated task
- A started task
- A mounted task
- A time sharing option (TSO) logon task

If the job name is not available, *jobname* does not appear in the message.

**System Action:** The system removes the address space control block (ASCB) from the end queue and does not complete ending of the address space. The system ignores any CANCEL or FORCE operator command to end the address space.

In most cases, the system writes a logrec data set error record. The record contains the ASCB in the variable recording area (VRA) of the system diagnostic work area (SDWA).

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, report the problem to the IBM Support Center. Provide the logrec data set error record and messages.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTMTC

---

#### IEA793A NO SVC DUMP DATA SETS AVAILABLE FOR DUMPID=*dumpid* FOR JOB (\*MASTER\*). USE THE DUMPDS COMMAND OR REPLY D TO DELETE THE CAPTURED DUMP

**Explanation:** The system has captured the data for the dump but cannot locate an available dump data set for the dump. An available dump data set is either a SYS1.DUMP*nn* data set with the first record containing an end of file, or an automatically allocated data set. If automatic dump data set allocation is already active, check the syslog for a previous IEE799I message for details about the dump data set allocation failure.

In the message text:

*dumpid* A 3-character dump identifier.

**System Action:** SVC dump processing continues to search for an available dump data set until one of the following occurs:

- An available dump data set is found
- The operator replies D to delete the captured dump
- The interval specified by the MSGTIME parameter on the CHNGDUMP command expires

**Operator Response:** Do one of the following:

- Use the DUMPID on the DISPLAY DUMP command to display the title or error information.
- Enter the DUMPDS command to clear an existing dump data set or to add a new dump data set in order to write the dump to a data set.
- Reply D to the message. SDUMP will delete the captured dump.
- Run a utility to clear an existing dump data set.
- Add additional SMS classes (DUMPDS ADD,SMS=) or DASD volumes (DMPDS ADD,VOL=) to the automatic allocation facility, or correct the problem which caused the automatic dump data set allocation failure.

If a utility other than DUMPDS will be used to make a dump data set available automatically, no response is required. SVC dump processing periodically searches the queue of data sets until one becomes available or the MSGTIME interval expires.

**Source:** SVC dump

**Detecting Module:** IEAVTSCD

---

#### IEA794I SVC DUMP HAS CAPTURED: DUMPID=*dumpid* REQUESTED BY JOB (\*MASTER\*) DUMP TITLE=*dump-title*

**Explanation:** The system has captured the data for the SVC dump.

In the message text:

*dumpid* A 3-character dump identifier.



## IEA796E • IEA797W

### dump-title

The title of the dump, provided by the caller or by the operator. The title can be up to 100 characters long.

**System Action:** The system writes the SVC dump to the dump data set, if available, and issues message IEA611I or IEA911E. IEA611I and IEA911E indicate:

- Whether the system wrote a complete or partial dump
- Which dump data set contains the dump.

If no dump data set is available, the dump remains captured and the system issues message IEA793A. IEA793A indicates:

- That a dump has been captured but no dump data set is available.
- The DUMPID which may be used on the DISPLAY DUMP command.
- That the operator may use the DUMPDS command to clear a dump or cancel a dump.

**Source:** SVC dump

**Detecting Module:** IEAVTSCC

---

**IEA796E      ACR PROCESSING HAS TAKEN CPU [AND VF] x [LOGICALLY] OFFLINE BECAUSE text**

**Explanation:** Alternate CPU recovery (ACR) has successfully placed a failing processor (CPU), and possibly the associated Vector Facility (VF), logically and physically offline.

In the message text:

x    The processor that was taken offline.

### AND VF

The associated VF was taken offline.

### LOGICALLY

The processor was taken logically offline.

vv    The type of machine check:

<b>IPD</b>	Instruction processing damage
<b>SD</b>	System damage
<b>IV</b>	Invalid program status word (PSW) or registers
<b>TC</b>	Time of day (TOD) clock damage
<b>PT</b>	CPU timer damage
	Clock comparator damage
<b>PS</b>	Primary sync damage
<b>AD</b>	External Time Reference (ETR) attachment damage
<b>SL</b>	Switch to local

### text

One of the following:

- AN UNKNOWN ERROR OCCURRED.
- CPU x CHECKSTOPPED.
- CPU x REACHED ITS vv MACHINE-CHECK THRESHOLD.
- OF SPIN-LOOP RECOVERY PROCESSING.
- CPU x's TOD CLOCK COULD NOT BE SYNCHRONIZED.
- OF A MALFUNCTION IN THE DAT HARDWARE.
- CPU x's CLOCK COULD NOT BE SYNCHRONIZED TO THE ETR.
- AN UNRECOVERABLE MACHINE ERROR OCCURRED.
- PHYSICAL VARY FOR THE CPU FAILED.
- PHYSICAL STATE OF THE CPU UNKNOWN.

### PHYSICAL VARY FOR THE CPU FAILED

The service processor was unable to take the failing processor physically offline.

### PHYSICAL STATE OF THE CPU UNKNOWN

The service processor request was unable to complete. The failing processor is not physically offline.

**System Action:** The system continues processing.

The system does not automatically remove this message from the display console. The operator must manually delete the message.

The system writes a logrec data set error record.

**Operator Response:** Delete the message from the console with the CONTROL(K) command.

If **PHYSICAL VARY FOR THE CPU FAILED** or **PHYSICAL STATE OF THE CPU UNKNOWN** appears in the message text, take processor x physically offline with the CONFIG CPU, OFFLINE command. Contact hardware support. Provide the logrec data set error records.

**Source:** Alternate CPU recovery (ACR)

**Detecting Module:** IEAVTACR, IEAVTCRE

---

**IEA797W      {THE POINTER TO THE CURRENT FRR STACK IS NOT VALID.} AN FRR STACK POINTER IS DAMAGED.}**

**Explanation:** A recovery termination manager (RTM) first level interruption handler (FLIH) determined that an interruption is an error. The FLIH issued a CALLRTM macro to recover or to end the routine that caused the error. While processing the request, RTM found uncorrectable damage to at least one functional recovery routine (FRR) stack pointer in the recovery stack vector table (PSARSVT) of the prefixed save area (PSA).

**System Action:** The system:

1. Issues this message.

2. Places all processors on this system in non-restartable X'084' wait state, with reason code X'04'.

**Operator Response:** See the operator response for wait state X'084'.

**System Programmer Response:** See the system programmer response for wait state X'084'.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTRTV

---

**IEA798W      UNSUCCESSFUL RECOVERY  
ATTEMPT BY RECOVERY  
TERMINATION MANAGER**

**Explanation:** The recovery termination manager (RTM) was trying to invoke a functional recovery routine (FRR) when a double recursive abnormal end occurred.

**System Action:** The system enters non-restartable wait state X'084', with reason code X'08', X'0C', or X'10'.

**Operator Response:** If requested by the system programmer, take a stand-alone dump.

**System Programmer Response:** Request the operator to take a stand-alone dump to ensure first failure data capture. See the system programmer response for wait state X'084'. If the problem is not contained in a problem reporting data base, contact the IBM Support Center. Provide the stand-alone dump.

**Source:** Recovery termination manager (RTM)

---

**IEA799I      AUTOMATIC ALLOCATION OF SVC  
DUMP DATA SET FAILED  
DUMPID=*dumpid* REQUESTED BY JOB  
(*jobname*) *reason-text* *reason text2***

**Explanation:** The system has captured data for a dump with automatic allocation active, but was unable to allocate a dump data set for the dump.

In the message text:

*reason-text*

The reason why the system could not automatically allocate a dump data set, as follows:

**NO RESOURCES DEFINED**

Automatic allocation of dump data sets is active, but no allocation resources are defined.

**INSUFFICIENT SPACE**

Automatic allocation of dump data sets is active and allocation resources are defined, but there was insufficient space on any of the resources to allocate a dump data set.

**DATA SET NAME NOT UNIQUE**

An allocated data set could not be cataloged. The data set has been deleted.

**DYNALLOC FAILED RETURN CODE=*return-code*  
ERROR RSN CODE=*ersn* INFO RSN CODE=*irsn***

The automatic allocation of the dump data set failed because the dynamic allocation (SVC 99) failed. One or more messages preceded IEA799I further describing the error condition. See *z/OS MVS Programming: Authorized Assembler Services Guide* for a description of dynamic allocation return codes, error reason codes, and information reason codes.

*reason-text2*

Additional information about the failure, as follows:

**SMS RSN CODE=*srsn*, WILL TRY VOLUME  
ALLOCATION**

The automatic allocation failed for all storage management subsystem (SMS) classes specified using the SMS parameter of the DUMPDS command. See *z/OS MVS Programming: Authorized Assembler Services Guide* for a description of dynamic allocation SMS reason codes. SVC dump attempts to allocate the data set to one of the DASD volumes available for automatic allocation.

**SMS RSN CODE=*srsn***

The automatic allocation failed for all storage management subsystem (SMS) classes specified using the SMS parameter of the DUMPDS command. See *z/OS MVS Programming: Authorized Assembler Services Guide* for a description of dynamic allocation SMS reason codes.

**VOLUME ALLOCATION FAILED**

The automatic allocation failed for all volumes available to SVC dump.

**System Action:** SVC Dump processing will attempt to write the dump to a SYS1.DUMP data set. If no SYS1.DUMP data set is available, message IEA793A will be issued.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Use DISPLAY DUMP command to display the status of automatic allocation resources. Use the DUMPDS command to add allocation resources or de-activate automatic allocation as necessary.

**Source:** SVC Dump

**Detecting Module:** IEAVTSCD

---

**IEA802W      DAT ERROR IN SYSTEM ADDRESS  
SPACE**

**Explanation:** A dynamic address translation (DAT) error occurred for a system address space. The recovery termination manager (RTM) does not end the address space because the ASCBNOMT and ASCBNOMD fields of the address space control block (ASCB) show that the MEMTERM option of the

## IEA806I • IEA812E

CALLRTM macro is not valid for the address space.  
The address space is crucial for system operation.

**System Action:** The system enters wait state X'A00'.

**Operator Response:** See the operator response for wait state X'A00'.

**System Programmer Response:** See the system programmer response for wait state X'A00'.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTRTM

---

### IEA806I     *jjj.sss* HAS BEEN TERMINATED DUE TO AN UNCORRECTABLE I/O ERROR ON THE PAGE DATA SET

**Explanation:** Because of an I/O error, the system abnormally ended a task with abend X'028'

In the message text:

*jjj*    The job name.

*sss*

      The step name.

**System Action:** The system issues messages to the job log about the job.

**Operator Response:** Repeated occurrences of this message indicate that the page data set should be reallocated and formatted at the next IPL.

**System Programmer Response:** If the problem recurs and if the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the messages in the job log, the JCL for the job, and all printed output and output data sets related to the problem.

---

### IEA808I     GTF TERMINATED DURING TRACE FORMATTING

**Explanation:** During formatting of the generalized trace facility (GTF) trace buffers, GTF encountered a severe error.

**System Action:** GTF ended trace formatting. The system continues writing the ABEND dump. The formatted trace output is incomplete because it does not include the most current trace entries.

**System Programmer Response:** Proceed according to the response documented for the error message or completion code that occurred when GTF ended.

**Source:** Generalized trace facility (GTF)

---

### IEA809I     ERROR IN BUFFER REMAINDER OF BUFFER IGNORED

**Explanation:** During formatting of the trace buffers in the generalized trace facility (GTF) region, an incorrect length field was discovered.

**System Action:** GTF does not format the remainder of the buffer.

**System Programmer Response:** Obtain the SYSOUT output for the job. Collect all printed output and output data sets related to the problem. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Generalized trace facility (GTF)

**Detecting Module:** IGC0F05A

---

### IEA810E     UNCORRECTABLE I/O ERROR ON LPA PAGE; CREATE LPA ON NEXT IPL

**Explanation:** An uncorrectable I/O error occurred while attempting to page in a warm start copy of a link pack area (LPA) page. Because the external storage for this LPA page cannot be read, the problem will recur on the next IPL unless a new LPA is created.

**System Action:** The system abnormally ends the task which requested paging of the LPA page.

**Operator Response:** On the next IPL, create a new LPA through the CLPA parameter when specification of system parameters is requested.

---

### IEA811E     PAGTOTL PAGE VALUE *xxx* OUTSIDE VALID RANGE

**Explanation:** The system does not accept the specified total number of page data sets. It must be a number from 0 to 256.

In the message text:

*xxx*    The total number of page data sets.

**System Action:** The system issues message IEA906A to prompt the operator to respecify the PAGTOTL parameter, or to press the ENTER button on the console.

**Operator Response:** Either respecify the PAGTOTL values or press the ENTER button, which specifies the default values of (5,1).

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

---

### IEA812E     PAGTOTL VALUES INCREASED TO (*ppp,sss*)

**Explanation:** The PAGTOTL value was less than the actual number of page data sets that were specified through the PAGE parameter. Therefore, the system

increases the specified PAGTOTL value.

In the message text:

*ppp* The actual number of page data sets plus one.

**System Action:** The system continues processing using the new PAGTOTL value.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM1

---

**IEA813E      PAGNUM IS AN OBSOLETE  
KEYWORD, PAGTOTL SHOULD BE  
USED**

**Explanation:** The system no longer recognizes the PAGNUM keyword. PAGTOTL should be used instead.

**System Action:** The system determines the actual number of page data sets specified by the PAGE parameter. Then, the system sets default PAGTOTL values by adding one to the actual number of page data sets. The system continues processing, using the default PAGTOTL values.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM1

---

**IEA814D      DATA SET *dsname* DRAINING ON  
PREVIOUS IPL, CONTINUE DRAINING?  
REPLY 'YES' OR 'NO'**

**Explanation:** On a warm start IPL, the system determined that a data set had been draining on the previous IPL. The operator must indicate whether the data set is to remain draining or is to be returned to normal system use.

In the message text:

*dsname*

The name of the data set.

**System Action:** The system waits for the operator to reply YES or NO.

**Operator Response:** If the data set should remain in draining status, reply YES and the data set remains read-only. If the data set should be returned to normal system use, reply NO and the data set becomes eligible for writes.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM1

---

**IEA820I      TRANSACTION DUMP REQUESTED  
BUT NOT TAKEN. *reason***

**Explanation:** The requested transaction dump was not taken. *reason* is one of the following:

PARAMETER LIST ADDRESS ZERO  
SYSDUMP DUMP MODE SET TO NODUMP BY  
CHNGDUMP COMMAND

THE DUMP WAS SUPPRESSED BY SLIP  
PARAMETER LIST ALET NOT VALID  
PARAMETER LIST NOT ACCESSIBLE  
PARAMETER LIST VERSION NOT VALID  
PARAMETER LIST LENGTH NOT VALID FOR  
VERSION  
NO DCB OR DATA SET NAME SUPPLIED  
BOTH DCB AND DATA SET NAME SUPPLIED  
DCB ALET NOT VALID  
DCB NOT ACCESSIBLE  
DATA SET NAME ALET NOT VALID  
DATA SET NAME NOT ACCESSIBLE  
NO HEADER SUPPLIED  
HEADER ALET NOT VALID  
HEADER DATA NOT ACCESSIBLE  
HEADER LONGER THAN 100 CHARACTERS  
DUMP INDEX DSNAME ALET NOT VALID  
DUMP INDEX DSNAME NOT ACCESSIBLE  
DUMP INDEX DSNAME NOT VALID  
SYMPTOM RECORD ALET NOT VALID  
SYMPTOM RECORD DATA NOT ACCESSIBLE  
SYMPTOM RECORD NOT VALID  
INCIDENT TOKEN ALET NOT VALID  
INCIDENT TOKEN DATA NOT ACCESSIBLE  
REMOTE AREA ALET NOT VALID  
REMOTE AREA DATA NOT ACCESSIBLE  
REMOTE AREA NOT VALID  
PROBLEM DESCRIPTION AREA ALET NOT VALID  
PROBLEM DESCRIPTION AREA DATA NOT  
ACCESSIBLE  
PROBLEM DESCRIPTION AREA NOT VALID  
STORAGE LIST ALET NOT VALID  
STORAGE LIST NOT ACCESSIBLE  
STORAGE LIST START ADDRESS GREATER  
THAN END ADDRESS  
SUBPOOL LIST ALET NOT VALID  
SUBPOOL LIST DATA NOT ACCESSIBLE  
SUBPOOL LIST NOT VALID  
DATASPACE LIST ALET NOT VALID  
DATASPACE LIST DATA NOT ACCESSIBLE  
DATASPACE LIST NOT VALID  
ECB ALET NOT VALID  
ECB DATA NOT ACCESSIBLE  
ECB NOT VALID  
CALLER AUTHORIZATION INSUFFICIENT FOR  
REQUESTED FUNCTIONS  
DUMP DATA SET NAME NOT VALID  
DUMP DATA SET NAME TOO LONG  
DUMP DATA SET NAME SYMBOL SUBSTITUTION  
FAILED  
DATASPACE CREATION FAILED FOR AUTOMATIC  
ALLOCATION  
COULD NOT ACCESS DATASPACE FOR  
AUTOMATIC ALLOCATION  
AUTOMATIC ALLOCATION OF DUMP DATA SET  
FAILED  
THE DUMP WAS SUPPRESSED BY DAE  
AN I/O ERROR OCCURRED  
INTERNAL PROCESSING ERROR DETECTED,  
REASON CODE=*rsncode*

## IEA821I • IEA823I

In the message text:

*rsncode*

Internal processing error reason code. Will be one of the following:

- |                 |                                                                                |
|-----------------|--------------------------------------------------------------------------------|
| <b>01</b>       | Unable to obtain storage for transaction dump from subpool 230 below the line. |
| <b>02</b>       | Unable to establish recovery environment for IEAVTDMP.                         |
| <b>03</b>       | Unable to obtain storage for transaction dump from subpool 239 above the line. |
| <b>04</b>       | Unable to obtain storage for transaction dump from subpool 231 above the line. |
| <b>05,06,07</b> | Unable to obtain storage for transaction dump from subpool 239 above the line. |
| <b>08</b>       | Unable to obtain storage for transaction dump from subpool 250 above the line. |
| <b>FF</b>       | IEAVTDMP's recovery received control.                                          |

**System Action:** The system continues processing.

**Application Programmer Response:** The message describes the reason for which the dump was not taken. Examine and correct the condition.

**Source:** IEAVTDMP

**Detecting Module:** IEAVTDMP

---

### IEA821I SYNTAX ERROR IN "SVC=" PARAMETER

**Explanation:** Non-alphanumeric characters were specified in the SVC parameter in the IEASVCxx parmlib member.

**System Action:** The system prompts the operator to respecify the SVC parameter.

**Operator Response:** When the system prompts for the new SVC parameter, do one of the following:

- Respecify the parameter.
- Specify EOB (press the enter button on the console) to proceed with the default SVC table.

Report the problem to the system programmer.

**System Programmer Response:** Check the statements in the IEASVCxx parmlib member for syntax problems.

**Source:** Supervisor control

**Detecting Module:** IEAVNP25

---

### IEA822I {COMPLETE|PARTIAL} TRANSACTION DUMP WRITTEN [TO *dsname*]

**Explanation:** The system wrote a complete or partial transaction dump to a data set on a direct access storage device (DASD).

In the message text:

#### COMPLETE

The transaction dump was complete.

#### PARTIAL

The transaction dump was not complete.

*dsname*

The dump was written to the *dsname* data set.

**System Action:** The system continues processing.

**System Programmer Response:** Open the dump under IPCS to view diagnostic data.

**Source:** IEAVTDMP

**Detecting Module:** IEAVTDMP

---

### IEA823I IEASVCxx: SVCnum: text

**Explanation:** *text* is one of the following:

SYNTAX ERROR AT *parm*  
UNBALANCED PARENTHESIS AT *parm*  
TYPE *t* SVC CANNOT GET GLOBAL SPIN LOCK  
TYPE 6 SVC CANNOT GET ANY LOCK  
CANNOT REQUEST CMS LOCK WITHOUT LOCAL LOCK

An SVC number was incorrectly specified in the IEASVCxx parmlib member.

In the message text:

*xx* The suffix of the IEASVCxx parmlib member

*num* The SVC number that was incorrectly specified

*text* Describes the error. *text* is one of the following:

#### SYNTAX ERROR AT *parm*

Where *parm* is a character string in the SVC*num* specification.

#### UNBALANCED PARENTHESIS AT *parm*

Where *parm* is a keyword specification.

#### TYPE *t* SVC CANNOT GET GLOBAL SPIN LOCK

Where *t* is the SVC type specification.

#### TYPE 6 SVC CANNOT GET ANY LOCK

A type 6 SVC cannot request any locks, but it did.

#### CANNOT REQUEST CMS LOCK WITHOUT LOCAL LOCK

An SVC cannot request the cross memory services (CMS) lock without first obtaining the local lock, but an SVC tried to do this.



**System Action:** The system ignores the statement.

**System Programmer Response:** Check the statements in the IEASVCxx parmlib member for syntax problems.

**Source:** Supervisor control

**Detecting Module:** IEAVNP25

**IEA824I IEASVCxx: SVCnum: DUPLICATE parm KEYWORD.**

**Explanation:** A keyword option appears more than once on a single statement in the IEASVCxx parmlib member for an SVC number.

In the message text:

*xx* The suffix of the IEASVCxx parmlib member  
*num* The SVC number  
*parm* The parameter for which the keyword option was specified more than once

**System Action:** The system ignores the statement.

**System Programmer Response:** Check the statements in the IEASVCxx parmlib member for syntax problems.

**Source:** Supervisor control

**Detecting Module:** IEAVNP25

**IEA825I IEASVCxx: STATEMENT nnnn : NO VALID parm SPECIFICATION.**

**Explanation:** A required keyword parameter is missing or unidentifiable on a statement in the IEASVCxx parmlib member.

In the message text:

*xx* The suffix of the IEASVCxx parmlib member  
*nnnn* The statement number in the IEASVCxx parmlib member with the missing or incorrect keyword parameter  
*parm* The keyword parameter that is missing or incorrect

**System Action:** The system ignores the statement.

**System Programmer Response:** Check the statements in the IEASVCxx parmlib member for syntax problems.

**Source:** Supervisor control

**Detecting Module:** IEAVNP25

**IEA826I IEASVCxx: SVCnum: TYPE t ROUTINE name NOT FOUND.**

**Explanation:** The entry point address could not be found for a module specified with user type *t* and SVC

number *num* in the IEASVCxx parmlib member. The load module name is missing from the nucleus or the link pack area (LPA).

In the message text:

*xx* The suffix of the IEASVCxx parmlib member  
*num* The SVC number specified  
*t* The user type specified  
*name* The module name for which the entry point address could not be found

**System Action:** The system ignores the statement.

**System Programmer Response:** Do one or both of the following:

- Check the statements in the IEASVCxx parmlib member for syntax problems.
- Determine why the load module is missing from the nucleus or the LPA.

**Source:** Supervisor control

**Detecting Module:** IEAVNP25, IEAVNPS5

**IEA828I IEASVCxx: PARSE ERROR, STATEMENT nnnn.**

**Explanation:** The system parser encountered an error while processing the SVC Parm specifications in a statement in the IEASVCxx parmlib member.

In the message text:

*xx* The suffix of the IEASVCxx parmlib member  
*nnnn* The statement number in the IEASVCxx parmlib member where the system parser encountered an error

**System Action:** The system ignores the statement.

**System Programmer Response:** Check statement number *nnnn* in the IEASVCxx parmlib member for syntax problems.

**Source:** Supervisor control

**Detecting Module:** IEAVNP25

**IEA829I SVC num FOR aaa NOT USABLE, MODULE bbb NOT FOUND IN ccc.**

**Explanation:** The system needed a module for a program product or access method Supervisor Call (SVC) request, but the system could not find the module in either the nucleus (NUC) or link pack area (LPA).

In the message text:

*num* The program product or access method SVC number  
*aaa* The program product or access method that appeared to be installed

## IEA830I • IEA836I

*bbb* The module needed for the specified SVC request that was not found

*ccc* One of the following:  
LPA for the link pack area  
NUC for the nucleus

**System Action:** The system does not update the SVC table entry for this SVC. The system will abnormally end any program trying to use this SVC.

**System Programmer Response:** Check to see if the specified product is installed, or should be.

- If it is installed, check that it is installed correctly.
- If it is not installed but should be, install it.

**Source:** Supervisor control

**Detecting Module:** IEAVNPST

---

### IEA830I IEASVCxx: DUPLICATE UPDATES TO SVCnum IGNORED.

**Explanation:** One or more IEASVCxx parmlib members contain two or more SVC Parm statements for the same SVC number.

In the message text:

*xx* The suffix of the IEASVCxx parmlib member

*num* The SVC number for which there two or more statements

**System Action:** The system uses the first correct SVC Parm statement and ignores any duplicate statements.

**System Programmer Response:** Remove duplicate SVC Parm statements for the same SVC number from the IEASVCxx parmlib members.

**Source:** Supervisor control

**Detecting Module:** IEAVNP25

---

### IEA832I IEASVCxx: SVCnum: pval IS NOT A VALID parm.

**Explanation:** A parameter specified on a statement in an IEASVCxx parmlib member is not valid.

In the message text:

*xx* The suffix of the IEASVCxx parmlib member

*num* The SVC number for which an incorrect parameter was specified

*pval* The incorrect value specified for the parameter

*parm* The parameter for which an incorrect value was specified

**System Action:** The system ignores the statement.

**System Programmer Response:** Check the statements in the IEASVCxx parmlib member for syntax problems.

**Source:** Supervisor control

**Detecting Module:** IEAVNP25

---

### IEA833I IEASVCxx: STATEMENT nnnn: num IS NOT A VALID SVCNUM.

**Explanation:** An SVC number, specified on a SVC Parm statement in the IEASVCxx parmlib member, is outside the range for installation-provided SVC numbers. Valid values are 200 through 255.

In the message text:

*xx* The suffix of the IEASVCxx parmlib member

*nnnn* The statement number on which the incorrect SVC number was specified

*num* The incorrect SVC number

**System Action:** The system ignores the statement.

**System Programmer Response:** Upon completion of the initial program load (IPL), the system will not contain an SVC instruction for the incorrect SVC Parm statement. Before the next IPL, check the SVC Parm statements in the IEASVCxx parmlib member for syntax problems.

**Source:** Supervisor control

**Detecting Module:** IEAVNP25

---

### IEA836I PAGE DATA SET dsname NOT ALLOCATED - ERROR CODE err INFORMATION CODE xxxx

**Explanation:** A request to allocate a page data set resulted in an error.

In the message text:

*dsname*  
The name of the data set.

*err* The error code.

*xxxx* The information code.

**System Action:** One of the following, depending on the message text:

#### PAGE

If the system knows from a previous IPL that the page data set contains VIO pages that should be used with current IPL options, the system issues message IEA930I and continues paging initialization.

#### All other cases

The system issues message IEA922D to let the operator respecify the data set name before continuing paging initialization.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Respond according

to the error code and information code in the message text.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM2

---

**IEA837I      DISCARD ALL PERFORMED FOR  
CACHE AT *dev***

**Explanation:** The auxiliary storage manager (ASM) issues this message when a DISCARD ALL is run for the cache of a cached auxiliary storage subsystem.

For a cold start or a quick start, this message is strictly informational: for the first use of the cache: ASM initialization automatically performs a DISCARD ALL for the cache during these starts. If more than one page data set on the direct access storage device (DASD) backs the cache, ASM will issue this message only for the first data set detected.

For a warm start, this message may indicate a problem: ASM performed the DISCARD ALL after a sense subsystem status request to the cache indicated that a DISCARD ALL was required. This DISCARD ALL makes any warm start data in the cache incorrect. The warm start will not be allowed to continue if ASM determines that warm start data may have been lost.

In the message text:

*dev*      The device number.

**System Action:** The system continues operation. If warm start data was lost, the system issues message ILR003A to force a quick start.

**Operator Response:** Reply U to message ILR003A. For a warm start, notify the system programmer.

**System Programmer Response:** For a data problem during a warm start, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM2

---

**IEA838I      SYSMDUMP SUPPRESSED AS A  
DUPLICATE OF: ORIGINAL: DATE  
yyddd TIME hh.mm.ss.t CPU *id*  
(*symptoms*)**

**Explanation:** Dump processing issues this message for any SYSMDUMP ABEND dump suppressed by dump analysis and elimination (DAE).

In the message text:

*yyddd*

The date, in years (00 through 99) and in days of the year (000 through 366)

*hh.mm.ss.t*

The time, in hours (00 through 23), in minutes (00

through 59), in seconds (00 through 59), and in tenths of a second (0 through 9)

*id*      The processor identifier

*symptoms*

The symptoms from the dump header record for the original abnormal end

**System Action:** DAE suppresses the SYSMDUMP dump.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTSYS

---

**IEA839I      WARM START DATA IS INVALID,  
QUICK START MAY BE FORCED**

**Explanation:** The previous initialization did not complete. During that initialization attempt, the auxiliary storage manager (ASM) reset a cached auxiliary subsystem because of a bad cache. This reset makes the cache usable, but makes the warm start data in the cache incorrect. A local page data set that contains VIO pages is associated with the cache.

**System Action:** The system stops the warm start and forces a quick start.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** If the error cannot be resolved, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM2

---

**IEA841E      {PLPA|COMMON|LOCAL} DATA SET  
*dsname* UNUSABLE DUE TO BAD  
CACHE AT *dev***

**Explanation:** The page data set is on a device attached to a cached auxiliary storage subsystem. When the system tested the cache, the control unit reported the cache cannot be used due to hardware errors.

In the message text:

*dsname*

The name of the data set.

*dev*

The device number.

**System Action:** The system does one of the following:

For a cold start: The system issues message IEA922D. In response, the operator may choose a new data set name or reply IGNORE.

For a quick start:

## IEA842E

- For a PLPA or local data set, the system issues message IEA922D. In response, the operator may choose a new PLPA or local data set name or the IGNORE option.
- For a COMMON data set, if PLPA pages did not overflow to the data set on the cold start associated with this quick start, the system issues message IEA922D. In response, the operator may choose a new COMMON data set name or the IGNORE option.  
For a COMMON data set, if PLPA pages overflowed to the data set, the quick start cannot continue. The system forces a cold start, issues message IEA929I, and then issues message IEA922D. In response, the operator may choose a new COMMON data set name or the IGNORE option.

For a warm start:

- For a PLPA data set, the system issues message IEA922D. In response, the operator may choose a new PLPA data set name or the IGNORE option. The new PLPA data set must have been used on a previous cold start; otherwise, the warm start will fail and a cold start will be forced.
- For a COMMON data set, if PLPA pages did not overflow to the data set on the cold start associated with this warm start, the system issues message IEA922D. In response, the operator may choose a new COMMON data set name or the IGNORE option.  
For a COMMON data set, if PLPA pages overflowed to the data set, the warm start cannot continue. The system forces a cold start, issues message IEA929I, and then issues message IEA922D. In response, the operator may choose a new COMMON data set name or the IGNORE option. The local page data set information is not preserved.
- For a local page data set that contains VIO pages, the warm start cannot continue. The system forces a quick start and issues message IEA930I.  
For a local page data set that contains no VIO pages, the warm start continues. However, the data set is not used as the local page data set for this IPL.

**System Programmer Response:** Contact hardware support.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM2

---

**IEA842E** {PLPA|COMMON|LOCAL} DATA SET  
*dsname* UNUSABLE DUE TO I/O  
ERROR

**Explanation:** During initialization of page data sets, the auxiliary storage manager (ASM) could not use a data set because of an I/O error while opening it.

In the message text:

*dsname*

The name of the data set.

**System Programmer Response:** Contact hardware support.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM2

**System Action and Operator Response:** Depending on the system action, the operator does one of the following:

For a cold start: The system issues message IEA922D. In response, choose a new data set name or the IGNORE option.

For a quick start:

- For a PLPA or local data set, the system issues message IEA922D. In response, choose a new PLPA or local data set name or the IGNORE option.
- For a COMMON data set, if the PLPA pages did not overflow to the data set on the cold start associated with this quick start, the system issues message IEA922D. In response, the choose a new COMMON data set name or the IGNORE option.  
For a COMMON data set, if PLPA pages overflowed to the data set, the quick start cannot continue. The system forces a cold start, issues message IEA929I, and then issues message IEA922D. In response, choose a new COMMON data set name or the IGNORE option.

For a warm start:

- For a PLPA data set, the system issues message IEA922D. In response, choose a new PLPA data set name or the IGNORE option. The new PLPA data set must have been used on a previous cold start; otherwise, the warm start will fail and a cold start will be forced.
- For a COMMON data set, if PLPA pages did not overflow to the data set on the cold start associated with this warm start, the system issues message IEA922D. In response, choose a new COMMON data set name or the IGNORE option.  
For a COMMON data set, if PLPA pages overflowed to the data set, the warm start cannot continue. The system forces a cold start, issues message IEA929I, and then issues message IEA922D. In response, choose a new COMMON data set name or the IGNORE option. The local page data set information is not preserved.
- For a local page data set that contains VIO pages, the warm start cannot continue. The system forces a quick start and issues message IEA930I.  
For a local page data set that contains no VIO pages, the warm start continues. However, the data set is not used as the local page data set for this IPL.

**IEA843I      MODULE mmmmmmmm NOT FOUND**

**Explanation:** During system initialization, a resource initialization module (RIM) cannot find a module needed for SNAP and ABEND dumping.

In the message text:

mmmmmmmm                      The name of the  
                                         module not found.

**System Action:** The system cannot load the missing module into central storage. Therefore, the system will not be able to write SNAP and ABEND dumps.

**Operator Response:** Notify the system programmer. If requested by the system programmer, reIPL the system.

**System Programmer Response:** Place the module indicated by this message into the SYS1.LPALIB data set. Then, ask the operator to reIPL the system.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTAB1

**IEA846I      SYSTEM CONSOLE INTERFACE  
UNSUCCESSFUL. RESTART OPTIONS  
MAY NOT BE INITIALIZED ON CPU x  
(yyyy)**

**Explanation:** During nucleus initialization program (NIP) processing, the system tried unsuccessfully to display the restart options on the processor restart frame. The system may have already displayed the options.

In the message text:

x    The processor.

yyyy

A hexadecimal reason code explaining the error.  
yyyy is one of the following:

- 0040**    Service processor error.
- 03F0**    Processor x is not installed.
- 04F0**    Processor x is not in the configuration.
- 10F0**    Processor x is powered off.

**System Action:** The system continues processing.

**Operator Response:** Check the restart options display on the restart frame on processor x. If the restart options are displayed, no action is necessary. You can use the options at that console.

If the restart options are not displayed, notify the system programmer. You can restart the system from the console, but the restart parameter value defaults to REASON 0.

**System Programmer Response:** Determine why the system was unable to signal the console. If necessary, contact hardware support.

**Source:** Reconfiguration

**Detecting Module:** IEAVNP00

**IEA848I      INSTALLATION PREDUMP EXIT,  
dumpexit, MODIFIED/SUPPRESSED THE  
DUMP REQUEST**

--or--

**NO DUMP WAS PRODUCED FOR THIS  
ABEND, DUE TO SYSTEM OR  
INSTALLATION REQUEST**

--or--

**DUMP SUPPRESSED - USER NOT  
AUTHORIZED BY SAF**

--or--

**DUMP SUPPRESSED - ABDUMP  
SERIALIZATION DEADLOCK AVOIDED,  
SVC DUMP TAKEN INSTEAD**

--or--

**DUMP SUPPRESSED - ABDUMP  
SERIALIZATION DEADLOCK AVOIDED,  
SVC DUMP FAILED RC=sscc**

--or--

**DUMP SUPPRESSED - ABDUMP MAY  
NOT DUMP STORAGE FOR KEY 0-7  
JOB jobname**

**Explanation:** Depending on the message text, the message means:

**INSTALLATION PREDUMP EXIT, dumpexit,  
MODIFIED/SUPPRESSED THE DUMP REQUEST**

The dump was suppressed by the installation predump exit.

In the message text:

dumpexit

The most recent exit that requested suppression.

**NO DUMP WAS PRODUCED FOR THIS ABEND, DUE  
TO SYSTEM OR INSTALLATION REQUEST**

The system or installation requested no dump for this abend.

**DUMP SUPPRESSED - USER NOT AUTHORIZED BY  
SAF**

The system authorization facility (SAF), resource access control facility (RACF), or its equivalent, determined that the caller does not have authority to dump the program that was running at the time of the error.



## IEA849I • IEA850I

### DUMP SUPPRESSED - ABDUMP SERIALIZATION DEADLOCK AVOIDED, SVC DUMP TAKEN INSTEAD

ABDUMP did not produce a dump because another task holds a critical resource. In this environment, the task will never release the resource. An SVC dump will be taken instead of the SYSUDUMP, SYSMDUMP or SYSABEND dump. The dump title will include the jobname of the abending task.

### DUMP SUPPRESSED - ABDUMP SERIALIZATION DEADLOCK AVOIDED, SVC DUMP FAILED RC=SSCC

ABDUMP did not produce a dump because another task holds a critical resource. In this environment, the task will never release the resource. An attempt was made to take an SVC dump, but the system was unable to take the dump. The return code indicates this with a value of X'08'. The reason codes describe the specific cause. Some applications reason codes may be:

- 02** The capture phase of another SVC dump was in progress.
- 04** The SVC dump was suppressed by a SLIP NODUMP command.
- 0B** The dump was suppressed by DAE.

Refer to *z/OS MVS Programming: Authorized Assembler Services Reference LLA-SDU* for a complete description of the SDUMPX macro return reason codes.

In the message text:

- ss** The SDUMPX reason code.
- cc** The SDUMPX return code.

### DUMP SUPPRESSED - ABDUMP MAY NOT DUMP STORAGE FOR KEY 0-7 JOB *jobname*

ABDUMP did not produce a dump because the storage access key for the task is authorized, between 0 and 7. The program that issued the ABEND may still dump data via one of the following methods:

- Use the SDUMP macro to obtain a dump, or
- Use the SNAP macro to selectively dump data areas.

Alternately, a SLIP trap may be set to request that an SVC dump be generated for the ABEND. Also, the installation may allow the user to receive these dumps by permitting the user to have READ access to the IEAABD.DMPAKEY FACILITY as described in the *z/OS SecureWay Security Server RACF Security Administrator's Guide*.

**System Action:** The system suppresses the dump.

**Application Programmer Response:** If a dump needed to diagnose a problem was suppressed, notify the system programmer.

**System Programmer Response:** Make sure that the

system does not suppress needed dumps. If necessary, change the security authority so that the application programmer gets a needed dump.

**Source:** Dumping Services

**Detecting Module:** IEAVTABD

---

### IEA849I SYSDUMP DATA SET FULL NO DUMP TAKEN TO *dsname*

**Explanation:** The system attempted to write a SYSDUMP ABEND dump to a SYS1.SYSMDPxx data set with a disposition of SHARE. There was no end-of-file (EOF) indicator in the first record of the data set. The absence of an EOF indicator signals that the data set is full; therefore, the system could not write the SYSDUMP. The dump is lost.

In the message text:

*dsname*  
The data set to which the dump was to be written.

**System Action:** The system continues processing.

**System Programmer Response:** Create a routine that copies the SYSDUMP from its data set to another data set and writes an EOF indicator as the first record. Because the system issues message IEA993I each time it writes a SYSDUMP, include the routine in the installation exit routine for the WTO macro that issues IEA993I.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTABD

---

### IEA850I FOLLOWING WILL BE PROCESSED *ser* ON *devtyp* *ccc-ccc*

**Explanation:** This message lists all VATDEF entries that the system encountered before the I/O error referred to in message IEA949A. The second line appears for each volume. In the message text:

*ser* The serial number of the volume  
*devtyp* The device type  
*ccc-ccc* The characteristics requested for the volume, as follows:

**P/R-PUB**  
Permanently resident, public  
**P/R-PRV**  
Permanently resident, private  
**P/R-STR**  
Permanently resident, storage  
**RSV-PUB**  
Reserved, public  
**RSV-PRV**  
Reserved, private

**RSV-STR**

Reserved, storage

**System Action:** The system processes the entries before the I/O error. The system sets attributes as indicated, unless subsequent entries override them.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

**IEA851A REPLY DEVICE ADDRESSES OR U**

**Explanation:** This message prompts the operator for a reply to message IEA851I.

**System Action:** The system waits for the operator to reply.

**Operator Response:** If any of the volumes listed in message IEA851I are to be mounted, enter REPLY id,'dev,dev,dev,...' where each *dev* is a device number for a device on which you will mount a volume. You can optionally precede a device number with a slash (/). Any valid direct access devices can be used, including those that already have volumes mounted on them. Mount the required volumes on the devices in the reply, after message IEA860A appears.

If no volumes are to be mounted, enter REPLY id,'U'.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

**IEA851I FOLLOWING MAY BE MOUNTED *ser* ON *devtype***

**Explanation:** During processing of the VATLSTxx parmlib member, the system found that all volumes in the member were not mounted.

*ser* ON *devtype* appears once for each unmounted volume. In the message text:

*ser* The serial number of a volume to be mounted.

*devtyp*

The type of device, such as 3330, on which the volume is to be mounted. *devtyp* does not specify any special features, such as track overflow, that may be required; the installation must select the device that has any required special features.

**System Action:** The system issues message IEA851A.

**Operator Response:** See the operator response for message IEA851A.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

**IEA852A REPEAT REPLY**

**Explanation:** This message prompts the operator for a reply to message IEA852I.

**System Action:** The system waits for the operator to reply.

**Operator Response:** Enter the reply again correctly or enter REPLY id,'U'.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

**IEA852I *dev* ADDRESS INVALID - *n***

**Explanation:** The reply to message IEA851A is incorrect. The system issues message IEA852I for each incorrect device in the reply, then message IEA852A. In the message text:

*dev*

The device number of the device in error.

*n* The cause of the error, as follows:

<i>n</i>	Meaning
1	The reply specified a duplicate device number.
2	The specified device number is unknown to the system.
3	The specified device contains a permanently resident or reserved volume.
4	The specified device is not direct access.
5	The reply specified a device type is not needed for mounting of the requested volumes.
6	The system could not check for a data path to the offline device.
7	No data path is available to the specified device.
8	No operational data path is available to the specified device.
9	The specified device is for an exposure within a multiple exposure device (supported pre-MVS/ESA SP 5.2), but is not the base exposure.
10	The reply specified a device address for a non-demountable device that was online at IPL.

**System Action:** The system issues message IEA852A.

**Operator Response:** See the operator response for message IEA852A.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

**IEA853A      REPLY CONT, END OR RESPECIFY.**

**Explanation:** While reading the VATLSTxx parmlib member, referred to in message IEA949A, the system detected an uncorrectable I/O error.

**System Action:** The system waits for the operator to reply.

**Operator Response:** If the system can continue without VATLSTxx, enter one of the following:

**REPLY id,'CONT'**

The system will try to continue processing other specified VATLST members.

**REPLY id,'END'**

If the reply is END, no more VATLST processing will be done.

**REPLY id,'xx'**

If the reply is xx, VATLSTxx will be processed before processing the remaining VATLST members. nn is a new VATLST member.

If necessary, reIPL the system.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

**IEA854I      ERROR READING VOLUME LABEL.**

**Explanation:** For processing of a VATLSTxx parmlib member, the system could not read the volume label on a device. The device address is specified in subsequent messages. One of the following occurred:

- If message IEA306I precedes this message, an I/O error occurred when reading the label.
- The volume does not contain a standard label.
- In the case of Mass Storage System (MSS) volume, the volume serial number on the label does not match the volume serial number requested from the 3850 MSS. This case can occur when an MSS volume label has been clipped to a different serial number.

**System Action:** For an MSS volume, the VATDEF entry is ignored; processing continues with the remaining VATLSTxx entries.

For non-MSS volumes the system waits for the operator to mount the correct volume, if all device addresses specified in reply to IEA851A have not yet had volumes mounted on them. If they have, the system does not wait; a mount request for the desired volume must be issued later.

**Operator Response:** For MSS volumes, no response is necessary.

For non-MSS volumes:

- If the wrong volume is mounted, remove it and mount the correct volume.

- If no volume can be mounted (for example, there is an error on that device), and the device is listed in IEA860A, reply 'NO' to message IEA893A when all other required devices have been mounted (that is, when the required devices are not listed on IEA893A).

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

**IEA855I      INVALID VATLSTxx ENTRY**

**Explanation:** During processing of a VATLSTxx parmlib member, the system found an incorrect entry.

**System Action:** Processing continues with the remaining VATLSTxx entries.

**System Programmer Response:** Using IEBPTPCH, print the VATLSTxx member. Using IEBUPDTE, correct the incorrect entry. Note that the device type might be valid, but it was not specified as valid during system installation.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

**IEA857W      UNREC {H|S} ACR ERR-x-R=nn D=dd**

**Explanation:** Alternate CPU recovery (ACR) encountered an unrecoverable error while recovery was in progress for another processor. ACR attempted to recover and was unsuccessful.

In the message text:

**H**      ACR encountered a hardware error.

**S**      ACR encountered a software error.

**x**      An error code, which is one of the following:

**1**      The failure occurred prior to entering post processing.

**2**      The failure occurred during ACR post processing.

**nn**      Recovery processor identifier.

**dd**      Failed processor identifier.

**System Action:** The system attempts to write a logrec data set error record for the failed processor.

When the error is a software error, the system places all processors in non-restartable wait state X'051'.

When the error is a hardware error, the system places all processors in non-restartable wait state X'052'.

**Operator Response:** If **S** appears in the message text, see the operator response for wait state X'051'.

If **H** appears in the message text, see the operator response for wait state X'052'.

**System Programmer Response:** If **S** appears in the

message text, see the system programmer response for wait state X'051'.

If **H** appears in the message text, see the system programmer response for wait state X'052'.

**Source:** Alternate CPU recovery (ACR)

**Detecting Module:** IEAVTCR1

---

**IEA858E      ACR COMPLETE CPU [AND VF] NOW OFFLINE [PHYSICAL VARY FAILED]**

**Explanation:** A failing processor was placed logically offline by alternate CPU recovery (ACR).

In the message text:

**AND VF**

The associated VF was taken offline.

**PHYSICAL VARY FAILED**

The service processor tried unsuccessfully to vary the failing processor physically offline or the physical vary function is not supported by the service processor.

**System Action:** The system continues processing. The system writes a logrec data set error record.

The system does not automatically remove this message from the display console. The operator must manually delete the message.

**Operator Response:** Delete the message from the console with the CONTROL(K) command.

If this ACR was initiated by an earlier response to the excessive spin-loop message IEE331A, enter the CONFIG command to configure CPU **x** back online.

If **PHYSICAL VARY FAILED** appears in the message text, take processor **x** physically offline with the CONFIG CPU, OFFLINE command.

Contact hardware support. Provide the logrec data set error record.

**Source:** Alternate CPU recovery (ACR)

**Detecting Module:** IEAVTACR

---

**IEA859I      UNREQUESTED VOLUME. UNIT *dev* NOW UNLOADED.**

**Explanation:** A volume was mounted on a unit specified by the operator in response to message IEA851A. No entry exists in the VATLSTxx parmlib member for the device. In the message text:

*dev*

The device number.

**System Action:** The system unloads the volume.

**Operator Response:** Mount a volume requested in message IEA851A on this unit. Reply 'U' to message IEA893A when the device is ready.

If no volume can be mounted on this unit, reply 'NO' to message IEA893A when all other required devices have been mounted, that is, when the required devices are not listed in message IEA893A.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

---

**IEA860A      *dev,dev,...* REPLY U WHEN ALL DEVICES ARE READY.**

**Explanation:** To complete processing of the VATLSTxx parmlib member, the operator must mount volumes. In the message text:

*dev*

The device number for a device needing a volume.

**System Action:** The system waits for the operator to mount the volumes, then to reply.

**Operator Response:** Mount volumes, as listed in message IEA851I, on these devices. When the devices are ready, REPLY 'U'.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

---

**IEA861A      VAL=*xx* NOT FOUND. REPLY U OR CORRECT VALUE**

**Explanation:** The VAL parameter in the IEASYSxx parmlib member specified a suffix for a VATLSTxx parmlib member. The system could not find in SYS1.PARMLIB a VATLSTxx member with that suffix. In the message text:

**VAL=*xx***

The specified suffix.

**System Action:** The system waits for the operator to reply.

**Operator Response:** If an error was made in the reply to message IEA101A, enter REPLY id,nn where nn is a correct value.

Enter REPLY id,U to ignore this VATLSTxx and continue processing any other specified members. Use IEBPTPCH to list the members of SYS1.PARMLIB.

**Source:** Allocation/unallocation

---

**IEA862I      RCT INITIALIZATION FAILED**

**Explanation:** A START, MOUNT, or LOGON command requested the creation or initialization of an address space. The region control task (RCT) could not process the command for one of the following reasons:

- RCT was unable to attach the dump task.
- RCT was unable to attach started task control (STC).
- RCT was unable to establish a recovery environment.

**System Action:** The system abends the partially

## IEA863I • IEA865I

created address space and writes a logrec data set error record. The system may write an SVC dump.

**System Programmer Response:** Do the following:

- If the installation uses the System Modification Program (SMP) or SMP Extended (SMP/E) to make all changes, run SMP or SMP/E to list the current maintenance and local modifications in the system.
- If the installation makes any changes to the system without using SMP, run the LIST service aid with a LISTIDR control statement to list all load modules with maintenance changes or local modifications. Run LIST against the following Libraries:  
    SYS1.LINKLIB  
    SYS1.LPALIB  
    SYS1.SVCLIB  
    Library containing the program that issued the message.

If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide:

- The logrec data set error record
- The SVC dump, if available
- The linkage editor output

**Source:** Region control task (RCT)

**Detecting Module:** IEAVAR00

---

### IEA863I      dddddddddddddd SPECIFICATION                  INVALID IN {COMMNDxx}IEACMD00}

**Explanation:** During master scheduler initialization, the system detected one of the following errors:

- The system found a parameter other than the COM parameter.
- The value of a COM parameter is incorrect.

This is probably an error in the parameter.

In the message text:

dddddddddddddd  
    16 characters of data from the erroneous record in the parmlib member.

#### COMMNDxx

The COMMNDxx parmlib member in which the error occurred.

#### IEACMD00

The error was found in the IEACMD00 parmlib member.

**System Action:** The system ignores the incorrect COM parameter and continues processing the parmlib member.

**Operator Response:** Contact the system programmer.

**System Programmer Response:** Check the parameters in the parmlib member. Respecify any

incorrect parameters in the parmlib member before the next IPL.

**Source:** Master scheduler

**Detecting Module:** IEAVNP13

---

### IEA864I      GETMAIN FAILED FOR                  {COMMNDxx}IEACMD00} - cmd

**Explanation:** During master scheduler initialization, the system processed a command contained in a parmlib member. The processing requested virtual storage for the system queue area (SQA). The request failed because there is not enough storage available.

In the message text:

#### COMMNDxx

The COMMNDxx parmlib member in which the error occurred.

#### IEACMD00

The command was in the IEACMD00 parmlib member.

#### cmd

The command.

**System Action:** Depending on the message text, the system does the following:

#### IEACMD00

The system tries to process the COMMNDxx parmlib members.

#### COMMNDxx

The system does not process any COMMNDxx parmlib members.

**System Programmer Response:** Do the following:

1. Make sure that sufficient SQA storage is available for system initialization.
2. If the problem continues, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Master scheduler

**Detecting Module:** IEAVNP13

---

### IEA865I      SYSTEM ERROR DURING NIP                  PROCESSING OF prm PARAMETER -                  IPL TERMINATED

**Explanation:** A system error was detected while processing the parameter indicated. The error was detected while attempting to prompt for the parameter and could mean that processing modules have been overlaid or some necessary data destroyed.

In the message text:

prm      The parameter indicated.

**System Action:** The system will enter disabled wait



state X'03D' displayed in the wait state program status word (PSW).

**Operator Response:** Dump central storage and notify the system programmer of this message. Then reIPL the system.

**System Programmer Response:** If the error recurs and the program is not in error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Contents supervision (CSV)

**Detecting Module:** IEAVNP05, IEAVNPC5

#### IEA866I      **VOLUME *ser* ON *dev* REQUIRED ON A {*devtyp*|*dev1*}**

**Explanation:** During processing of a VATLSTxx parmlib member, the system found the volume specified in a VATDEF entry mounted on a device different from the specified device type. In the message text:

*ser* The volume serial number specified in the VATDEF entry.

*dev*  
The device number of the device on which the specified volume is mounted.

*devtype*  
The device type specified in the VATDEF entry.

*dev1*  
The device number of the device specified in the VATDEF entry.

**System Action:** If the volume is not premounted, the system unloads it. If the volume is premounted, the system issues message IEA947A.

**Operator Response:** If the volume is unloaded, mount the correct volume on the device type or device indicated.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

#### IEA867I      **DUPLICATE VOLUME *ser*. UNIT *dev* NOW UNLOADED.**

**Explanation:** In a VATLSTxx parmlib member, a VATDEF entry specified a volume serial number that duplicates the serial number of a volume already mounted. In the message text:

*ser* The duplicate volume serial number.

*dev*  
The device number of the device on which the volume was mounted.

**System Action:** The system unloaded the volume on device *dev*.

**Operator Response:** Mount a different volume on the

device if *dev* is listed in message IEA860A, or if all devices listed in message IEA860A have not become ready. If the device was in the reply to message IEA851A, the volume must have a serial number listed in message IEA851A.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

#### IEA872I      **INVALID IPS IN IEAIPSxx**

**Explanation:** Processing for system resources manager (SRM) initialization found incorrect installation performance specification (IPS) data in the IEAIPSxx parmlib member.

In the message text:

**IEAIPSxx**  
The parmlib member, where xx is the suffix of the member used.

**System Action:** The system ignores all IPS data in this member. The system writes message IEA906A to ask the operator to respecify the IPS parameter. Diagnostic messages are written to the hardcopy log.

**Operator Response:** Write the hardcopy log (when it becomes available), correct the errors, then use the SET IPS commands to begin using the corrected IPS. In response to IEA906A, specify another valid IEAIPSxx member or specify EOB (press ENTER) to continue system initialization.

**System Programmer Response:** Write the hardcopy log (when it becomes available) to see which diagnostic messages have been written. Correct the IPS parameters in the IEAIPSxx member.

If the IEAIPSxx member was correct, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide a listing of the IEAIPSxx member.

**Source:** System resources manager (SRM)

**Detecting Module:** IEAVNP10

#### IEA873I      **SKELETON IPS IN CONTROL - ALL USERS AT SAME LEVEL**

**Explanation:** During system initialization, the system found an error in the specified IEAIPSxx parmlib member. To continue operation, the system is using the skeleton installation performance specification (IPS). The valid performance group numbers are 1 and 2. The system makes no distinction in the performance given to problems in different performance groups.

**System Action:** The system writes messages about the problem and continues processing.

**Operator Response:** Notify the system programmer. Use the SET IPS command to specify a valid IPS that supersedes the skeleton IPS.

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**System Programmer Response:** Correct the IEAIPSxx parmlib member.

If the IEAIPSxx member was correct, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide a listing of the IEAIPSxx member.

**Source:** System resources manager (SRM)

**Detecting Module:** IEAVNP10

---

### IEA874I      INVALID OPT IN IEAOPTxx

**Explanation:** Processing for system resources manager (SRM) initialization found an incorrect parameter value in the IEAOPTxx parmlib member.

In the message text:

**IEAOPTxx**

The parmlib member, where xx is the suffix of the member used.

**System Action:** The system ignores all OPT data in the member. The system writes message IEA906A to ask the operator to respecify the OPT parameter.

**Operator Response:** In response to IEA906A, specify another valid IEAOPTxx member or specify EOB (press ENTER) to continue system initialization.

**System Programmer Response:** Correct the OPT parameters in the IEAOPTxx member.

If the IEAOPTxx member was correct, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide a listing of the IEAOPTxx member.

**Source:** System resources manager (SRM)

**Detecting Module:** IEAVNP10

---

### IEA883I      MODULE mmmmmmmmm NOT FOUND

**Explanation:** During system initialization, SVC dump initialization processing cannot find a module in the link pack area (LPA), nucleus, or SYS1.LINKLIB system library.

In the message text:

**mmmmmmmmmm**

The name of the module that cannot be found.

**System Action:** The system continues initialization. SVC dumping is impaired.

If mmmmmmmmm has the following values, system action is the following:

**IGC005A**

**IEAVTSPR**

**IEAVTSDT**

The system writes no SVC dumps.

**IEAVTSSD**

The system writes no summary dumps.

**IEAVTSDR**

The system does not process memory ends for SVC dump recovery.

**IEAVTSSV**

The system writes no suspend summary dumps.

**IEAVTSXT**

The system does not give control to the installation exits for SVC dumps.

**ISGDSDMP**

The system does not give control to the installation exits for SVC dump.

**IEAVTSEP**

The system does not give control to the installation exits after SVC dumps.

**IARQDUMP**

The system may dump excessive amounts of virtual storage.

The module name can be for an installation-provided post dump exit routine, if the exit name is specified in IEAVTSEP and the routine is not in SYS1.LINKLIB.

**Operator Response:** Notify the system programmer of this message. If requested by the system programmer, relPL the system.

**System Programmer Response:** Place the missing modules in the appropriate system library. Ask the operator to relPL the system to establish full SVC dumping.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTSDI, IEAVTDSV

---

### IEA884I      PARAMETERS INVALID FOR SYS1.PARMLIB MEMBER mmmmmmmmmm

**Explanation:** During system initialization, the parmlib member that specifies installation options for an ABEND dump contained incorrect parameters.

In the message text:

**mmmmmmmmmm**

The name of the parmlib member, which is one of the following:

**IEAABD00**

The installation options for SYSABEND dumps are not valid.

**IEADMP00**

The installation options for SYSUDUMP dumps are not valid.

**IEADMR00**

The installation options for SYSMDUMP dumps are not valid.

**System Action:** One of the following:

- If this message is followed by message IEA885I, the parmlib member contains correct and incorrect parameters. The system uses the correct options.
- If this message is not followed by message IEA885I, all options were incorrect. The system uses none of the options.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Correct the parmlib member before the next system initialization.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTAB1

---

**IEA885I**      **VALID OPTIONS FOR SYS1.PARMLIB MEMBER** *mmmmmmmm* **SDATA=** *op,op,...,op* **PDATA=** *op,op,...,op*

**Explanation:** During system initialization, the parmlib member that specifies installation options for an ABEND dump contained incorrect parameters.

In the message text:

*mmmmmmmm*

The name of the parmlib member.

*op* An SDATA or PDATA option.

**System Action:** The system uses the correct dump options. The system ignores the incorrect options.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Correct the parmlib member before the next system initialization.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTAB1

---

**IEA886A**      **TOD CLOCK(S) MUST BE SET**

**Explanation:** The operator did not set the time-of-day (TOD) clock(s).

**System Action:** The system prompts the operator for a reply. When you enter a valid reply to message IEA886A, the system issues message IEA903A.

**Operator Response:** Use the following form of the REPLY command to set the time of day clock.

R *id*, 'DATE=[*yyyy.ddd* [,CLOCK=*hh.mm.ss*] [,GMT] '

In the command text:

**id**      The reply identifier.

**yyyy**      The year (4 digit year: 1900 - 2042).

**ddd**      The day (001-366).

**hh**      The hour (00-23).

**mm**      The minute (00-59).

**ss**      The second (00-59).

**Note:** The apostrophes in the above reply are optional. If you include GMT in your reply, the system converts the time and date to Greenwich mean time. If you omit GMT, the system assumes the values are the local time and date, converts them to Greenwich mean time values, and sets the clock(s) with the Greenwich mean time.

**Source:** Timer supervision

**Detecting Module:** IEAVRTOD

---

**IEA888A**      **[GMT**  
**DATE=***yyyy.ddd***,CLOCK=***hh.mm.ss***]**  
**LOCAL**  
**DATE=***yyyy.ddd***,CLOCK=***hh.mm.ss*

**REPLY U, OR GMT/LOCAL TIME**

**Explanation:** This message displays the following:

- The local time and date
- The Greenwich mean time (GMT) and date

In the message text:

*yyyy.ddd*

The year (4 digit year: 1900 - 2042) and the day (001-366).

*hh.mm.ss*

The hour (00-23), minute (00-59), and second (00-59).

**System Action:** The system prompts the operator for a reply.

**Note:** The system automatically issues message IEA888A at IPL time if TOD=PROMPT is included in the active CLOCKxx member of SYS1.PARMLIB. See the *z/OS MVS Initialization and Tuning Reference* for details.

**Operator Response:** If the values shown in the text of message IEA888A are acceptable, reply 'U'. If you want to change the value of the time-of-day (TOD) clock, enter a new date, time, or both as follows:

R *id*, ' [DATE=*yyyy.ddd*] [,CLOCK=*hh.mm.ss*] ,GMT '

If you want to change the value of the local clock, enter a new date, time, or both as follows:

R *id*, ' [DATE=*yyyy.ddd*] [,CLOCK=*hh.mm.ss*] '

**Note:** The apostrophes in the above replies are optional.

If you specify a different TOD clock setting, the system issues message IEA903A. If you omit 'GMT', the system assumes the local date and/or time. Once you have set the new time and/or date, the system reissues message IEA888A with new values. Reply to the message as previously described.

## IEA889A • IEA892I

### Notes:

1. Resetting GMT time causes the TOD clock to be reset. It also affects the local time. Respecifying GMT time causes the local time value to be recalculated using the new GMT and the system time zone constant.
2. Resetting local time does not affect GMT time or the TOD clock. However, it will cause the system time zone constant (which is initialized at IPL from the CLOCKxx member of SYS1.PARMLIB) to be recalculated. The new time zone constant will remain in effect until either local time is modified again or the next IPL. If message IEA888A indicates that both GMT and local time values are incorrect, always reset the GMT values first.
3. The TOD clock should be set to a value based on zero being equivalent to 00 hours, 00 minutes, 00 seconds on January 1, 1900 GMT. During an IPL, the TOD clock might contain a value that, relative to this base, is not correct. This can happen, for example, when a customer engineer (CE) left the clock in the error state. In this case, to ensure that the local time and date are correct, specify GMT before setting the local time and date.

**Source:** Timer supervision

**Detecting Module:** IEAVRTOD

---

### IEA889A      **REPLY U THEN DEPRESS TOD CLOCK SECURITY SWITCH**

**Explanation:** The time-of-day (TOD) clocks must be synchronized because one of the following occurred:

- A processor was varied online.
- A timing facilities damage machine check occurred.

**System Action:** One of the following:

- If the operator acknowledges receipt of the message and presses the switch within 30 seconds, the system continues processing.
- If the operator does not press the switch within 30 seconds, or if the operator presses the switch and releases it before synchronization is complete, the system issues message IEA889A again.

**Operator Response:** Do the following:

- Enter REPLY xx,'U' to acknowledge that you received this message.
- Press the security switch and hold it down for 5 to 10 seconds.

**Source:** Timer supervision

**Detecting Module:** IEAVRTOD

---

### IEA890I      **comnd FAILED- MEMORY COULD NOT BE CREATED**

**Explanation:** *comnd* is one of the following:

LOGON  
MOUNT  
START

The system tried to create or initialize an address space for a command, but failed. The failure may be caused by system overload or lack of paging space.

In the message text:

*comnd*

The command for which the system tried to create or initialize an address space. *comnd* is one of the following:

LOGON  
MOUNT  
START

**System Action:** The system deletes the partially created address space. The system does not process the command.

**Operator Response:** Enter the command again. If the system issues this message again, notify the system programmer. RelIPL as requested by the system programmer.

**System Programmer Response:** If the system issued this message while starting an initiator, the auxiliary storage manager (ASM) may have run out of paging space. Ask the operator to relIPL, specifying larger or additional paging data sets. If these data sets are not available, modify ASM paging constant ASMSLOTC as described in the system programmer response for wait state code X'03C'. Ask the operator to relIPL with the existing page data sets.

**Source:** Supervisor control

---

### IEA891I      **NO MAXUSER VALUE SPECIFIED, DEFAULT VALUE OF 255 USED**

**Explanation:** The IEASYSxx parmlib member does not specify a MAXUSER number. The system is using the default value of 255.

**System Action:** The system continues processing.

**Source:** Supervisor control

**Detecting Module:** IEAVNP09

---

### IEA892I      **MAXUSER=*val1* RSVNONR=*val2* RSVSTR=*val3* SUM TOO LARGE FOR AVAILABLE SQA**

**Explanation:** The system could not obtain sufficient storage from the system queue area (SQA) to build the address space vector table (ASVT). One of the following occurred:

- The sum of the MAXUSER, RSVNONR, and RSVSTRT values is too large.
- The SQA is too small.

In the message text:

*val1* The value of MAXUSER in IEASYSxx  
*val2* The value of RSVNONR in IEASYSxx  
*val3* The value of RSVSTRT in IEASYSxx

**System Action:** The system prompts the operator to respecify the three parameters by issuing message IEA906A three times: once each for MAXUSER, RSVNONR, and RSVSTRT.

**Operator Response:** Respond to message IEA906A as the system programmer directs.

**System Programmer Response:** Do the following:

- Examine the size of the SQA.
- If a MAXUSER, RSVNONR, or RSVSTRT parameter value is too large, provide the operator with new values for the parameters.
- Ask the operator to respond to message IEA906A with the new values for the parameters.
- Correct the parameters in the IEASYSxx member so that this message will not be issued during every system initialization using IEASYSxx.

**Source:** Supervisor control

**Detecting Module:** IEAVNP09

---

**IEA893A NOT READY. REPLY U WHEN DEVICES ARE READY, OR NO IF NOT MOUNTING. *dev,dev,...***

**Explanation:** To complete processing of the VATLSTxx parmlib member, the system is waiting for devices that are not ready. In the message text:

*dev*  
 The device number of a device that is not ready.

**System Action:** The system waits for the operator to ready the devices, then to respond.

**Operator Response:** When you have readied all of the volumes in message IEA851A that you require on the devices listed in message IEA860A, REPLY 'U' or press ENTER.

If any devices have not been readied, message IEA893A will be reissued, listing those devices. Respond as above if there are more volumes to be mounted. If no more volumes are to be mounted on the devices listed, REPLY 'NO'.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

---

**IEA894I REQUESTED VOLUME ON UNREQUESTED UNIT. *dev* NOW UNLOADED.**

**Explanation:** During processing of a VATLSTxx parmlib member, the system found a requested volume mounted on a device that was not in the reply to message IEA851A. In the message text:

*dev*  
 The device number of a device that was not in the reply.

**System Action:** The system unloads the volume.

**Operator Response:** Mount the volume on a requested device if the attributes are to be processed.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

---

**IEA895A FORMAT ERROR. REPEAT REPLY.**

**Explanation:** An error exists in the reply to message IEA851A.

**System Action:** The system ignores the reply and waits for the operator to enter another reply.

**Operator Response:** Enter the reply again correctly, or reply 'U'.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

---

**IEA896I RECORDING FUNCTION NO LONGER ACTIVE**

**Explanation:** The recovery termination manager (RTM) has stopped recording because of unrecoverable errors. The system cannot do the following:

- Write logrec data set error records.
- Write to the operator for the WTO macro.

**System Action:** The system does not process recording requests. Requesters receive a return code indicating that recording is no longer active.

**Operator Response:** Notify the system programmer of this message. If requested by the system programmer, reIPL the system.

**System Programmer Response:** If recording is needed, ask the operator to reIPL the system.

Search problem reporting data bases for a fix for the problem. If no fix exists, report the problem to the IBM Support Center.

**Source:** Recovery termination manager (RTM)



**IEA900I      INVALID ICS IN IEAICSxx**

**Explanation:** Processing for system resources manager (SRM) initialization found an incorrect parameter value in the IEAICSxx parmlib member.

In the message text:

**IEAICSxx**

The parmlib member, where xx is the suffix of the member used.

**System Action:** The system ignores all installation control specification (ICS) data in this member. The system writes message IEA906A to ask the operator to respecify the ICS parameter. Diagnostic messages are written to the hardcopy log.

**Operator Response:** Write the hardcopy log (when it becomes available), correct the errors, then use the SET ICS commands to begin using the corrected ICS. In response to IEA906A, specify another valid IEAICSxx member or specify EOB (press ENTER) to continue system initialization.

**System Programmer Response:** Write the hardcopy log (when it becomes available) to see which diagnostic messages have been written. Correct the ICS parameters in the IEAICSxx member.

If the IEAICSxx member was correct, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide a listing of the IEAICSxx member.

**Source:** System resources manager (SRM)

**Detecting Module:** IEAVNP10

**IEA903A      {REPLY U THEN DEPRESS TOD  
CLOCK SECURITY SWITCH WHEN  
ENTERED TIME OCCURS|REPLY U  
WHEN THE ENTERED TIME OCCURS}**

**Explanation:** The operator responded to message IEA888A or IEA886A in a way that requires the time-of-day (TOD) clock to be set.

Message REPLY U WHEN THE ENTERED TIME OCCURS is issued when you are running MVS under VM or PR/SM.

**System Action:** When the message reads REPLY U THEN DEPRESS TOD CLOCK SECURITY SWITCH WHEN ENTERED TIME OCCURS and when the operator acknowledges receipt of the message, the system attempts to set a TOD clock for a one-minute interval. If the operator does not press the security switch during that interval, the system issues message IEA888A or IEA886A again.

When the message reads REPLY U WHEN THE ENTERED TIME OCCURS, the system starts the TOD and continues processing.

**Operator Response:** When the message reads

REPLY U THEN DEPRESS TOD CLOCK SECURITY SWITCH WHEN ENTERED TIME OCCURS, do the following:

- Enter REPLY id,'U' to acknowledge that you received this message.
- Press the security switch at the same time you respond to message IEA888A or IEA886A.

When the message reads REPLY U WHEN THE ENTERED TIME OCCURS, enter REPLY id,'U' at the same time specified in message IEA888A or IEA886A.

**Source:** Timer supervision

**Detecting Module:** IEE6603D

**IEA907W      UNABLE TO INITIALIZE PAGE AND/OR  
SEGMENT TABLES FOR  
{CSA|SQA|LPA}**

**Explanation:** The system cannot initialize the system queue area (SQA), common service area (CSA), or link pack area (LPA) because there is not enough central storage available.

**System Action:** The system enters wait state X'03D'.

**Operator Response:** Request a stand-alone dump. Notify the system programmer.

**System Programmer Response:** Increase the amount of central storage available to the system, or decrease the amount of virtual storage requested for the SQA, CSA or LPA.

**Source:** Virtual storage manager (VSM)

**IEA908I      QUICKSTART IS IN PROCESS - SQA  
PARM IS IGNORED - VALUES USED  
ARE nnnnK AND mmmmmmmK**

**Explanation:** The requested system queue area (SQA) size is not the same as the SQA size requested at the previous system initialization. One of the following occurred:

- A different SQA size was specified at quickstart
- The nucleus size increased since the previous system initialization

In the message text:

*nnnnK*                      The size of the SQA for the duration of this initial program load (IPL).

*mmmmmmmmK*            The size of the extended SQA for the duration of this IPL.

**System Action:** The system defaults to the SQA size specified in message IEA908I. The system continues processing.

**Source:** Virtual storage manager (VSM)

**Detecting Module:** IEAVNP08

---

**IEA909I** {CSA|SQA} PARM SPECIFIED IS *a,b*.  
ONLY xxxxxxxx OF VIRTUAL STORAGE  
AVAILABLE FOR  
{CSA|SQA|ECSA|ESQA}

**Explanation:** The storage area requested for the system queue area (SQA) or common service area (CSA) is too large.

In the message text:

*a,b* The parameter that specified the amount of virtual storage. The parameters are shown as they were specified in the IEASYSxx parmlib member, where *n* is a decimal number of one or more digits:

- *a* can be *n*, *nK*, or *nM*
- *b* can be *n*, *nK*, or *nM*

xxxxxxx

The amount of virtual storage available.

**System Action:** The system issues message IEA906A.

**Operator Response:** See the operator response for message IEA906A.

**Source:** Virtual storage manager (VSM)

**Detecting Module:** IEAVNP08

---

**IEA911E** {COMPLETE|PARTIAL} DUMP ON  
SYS1.DUMP*nn*

DUMPid=*dumpid* REQUESTED BY  
JOB (*jobname*)  
FOR ASIDS(*id,id,...*)  
[REMOTE DUMPS REQUESTED|REMOTE  
DUMP FOR  
SYSNAME:*sysname*]  
INCIDENT TOKEN:*incident-token*  
[SDRSN =  
vvvvvvvv vvvvvvvvvv xxxxxxxx zzzzzzzz]  
[*reason-text*]  
[ERRORID = SEQyyyyyy  
CPUzz ASID*asid*  
TIME*hh.mm.ss.f*]  
[TSOID = *tsoid*]  
[ID = *uuuuuuuuu*]

**Explanation:** The system wrote a complete or partial SVC dump to a pre-allocated dump data set on a direct access storage device (DASD) or a tape volume.

In the message text:

**COMPLETE** The SVC dump was complete.

**PARTIAL** The SVC dump was not complete.

**nn** The dump was written to the  
SYS1.DUMP*nn* data set.

**dumpid** The 3-character dump identifier.

**jobname** The name of the job that requested the dump.

#### REMOTE DUMPS REQUESTED

The SDUMPX macro or DUMP command that requested this dump also requested dumps on other systems in the sysplex.

#### REMOTE DUMP FOR SYSNAME: *sysname*

The dump was requested by *sysname*, which is another system in the sysplex.

#### INCIDENT TOKEN: *incident-token*

The formatted incident token for the dump.

**SDRSN = vvvvvvvv vvvvvvvvvv xxxxxxxx zzzzzzzz**

The system wrote only a partial dump.

**vvvvvvvv** Partial dump reason code. One of the following:

#### 80000000

A system request block (SRB) for the dump could not be scheduled to the requested address space. Either no current address space had the requested ASID or the system was ending the address space with that ASID.

#### 40000000

SVC dump processing could not obtain real storage manager (RSM) serialization because of a hierarchy problem.

#### 20000000

SVC dump processing could not obtain RSM serialization because of a RSM control problem.

#### 10000000

SVC dump processing could not obtain a central storage buffer from the real storage manager.

#### 08000000

An error in scheduled SVC dump processing caused recovery to receive control.

#### 04000000

An error in summary dump processing caused recovery to receive control.

#### 02000000

An error in summary dump processing or suspend summary dump processing caused recovery to receive control.

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### 00400000

An error caused the loss of summary dump.

### 00200000

During suspend summary dump processing, the virtual storage buffer filled up.

### 00100000

No more summary dump data could be written because the central storage buffer was full.

### 00800000

While the system was waiting for writing a trace table, an error occurred. The trace table could not be written.

wwwwwwww

Partial dump reason code. One of the following.

### 00010000

During dump processing of a possibly hung address space, the address was found to be invalid. The dump data may not be consistent.

### 00020000

During dump processing of a possibly hung address space, dump processing obtained only fixed storage for the address space.

### 80000000|40000000

While processing SVC X'33', the system detected an error and gave recovery control.

### 20000000

The system detected an error in the SVC dump task and gave recovery control.

### 10000000

The SVC dump task failed.

### 08000000

The system detected an error while writing a trace table. The system could not write the trace table.

### 04000000|02000000

While processing an SVC dump, the system detected an error and gave recovery control.

### 01000000

The started dump task failed.

### 00800000

A task abnormally ended, and SVC dump processing took a

partial dump. The resource manager for SVC dump processing receives control.

### 00400000

The system detected an error in the SVC dump writing task and gave recovery control.

### 00200000

An address space involved in the dump abnormally ended, and SVC dump took a partial dump. The resource manager for SVC dump processing receives control.

### 00100000

The DUMPSRV address space abnormally ended, and SVC dump processing took a partial dump. The resource manager for SVC dump processing receives control.

### 00080000

While processing the dump header, the system ran out of space to place data.

### 00040000

During dump processing of local storage, the system issued a PURGEDQ because a hung address space was detected. This s will result in the loss of some storage related to the address space.

### 00020000

During dump processing of a possibly hung address space, dump processing obtained only fixed storage for the address space.

### 00010000

During dump processing of a possibly hung address space, the address space was found to be invalid. The dump data may not be consistent.

xxxxxxx

Partial dump reason code. One of the following:

### 80000000

While building the address range table for global storage areas, SVC dump processing filled the table and remaining entries could not be added.

### 40000000

While building the address range table for local storage areas, SVC

dump processing filled the table and remaining entries could not be added.

**20000000**

While building the address range table, SVC dump processing filled the table and remaining entries could not be added.

**10000000**

While dump processing was writing to the dump data set, an I/O error occurred.

**08000000**

The dump data set is full, but more data needs to be dumped.

**04000000**

An error occurred while writing the summary dump.

**02000000**

An error occurred while dump processing was obtaining trace data.

**01000000**

While dump processing was setting up the service request block (SRB) under which the dump was to be processed, an error occurred.

**00800000**

An error occurred in an exit routine.

**00400000**

An error occurred while writing the end-of-data record to the dump data set.

**00200000**

Some read-only ranges of data could not be added to the range table.

**00100000**

While dump processing was copying global storage into a data space, an error occurred.

**00080000**

While dump processing was copying a sub-range of common storage into a data space, an error occurred.

**00040000**

An error occurred in the processing of data spaces that were requested through the LISTD keyword on the SDUMPX

macro, or through the DSPNAME parameter on the DUMP command.

**00020000**

Dump processing could not add some ranges of read/write storage to the range table.

**00010000**

SVC dump processing truncated the dump because the maximum amount of space was been reached.

**00008000**

While processing the SQA SDATA option, the system filled in the range table.

**00004000**

While processing the CSA SDATA option, the system filled in the range table. Remaining entries could not be added.

**00002000**

While processing global subpools, the system filled in the range table. Remaining entries could not be added.

**00001000**

While processing the LSQA SDATA option, the system filled in the range table. Remaining entries could not be added.

**00000800**

While processing the RGN SDATA option, the system filled in the range table. Remaining entries could not be added.

**00000400**

While processing private subpools, the system filled in the range table. Remaining entries could not be added.

**00000200**

While processing the SWA SDATA option, the system filled in the range table. Remaining entries could not be added.

**00000100**

While copying global data into a data space, dump processing was unable to capture some ranges of global storage.

**00000080**

An exit data space could not be created, or the data space was

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created but an ALET could not be obtained to access the data space.

### 00000040

A summary data space could not be created, or the data space was created but an ALET could not be obtained to access the data space.

### 00000020

A local data space could not be created, or the data space was created but an ALET could not be obtained to access the data space.

### 00000010

A global data space could not be created, or the data space was created but an ALET could not be obtained to access the data space.

### 00000008

SVC dump could not create or could not use the data spaces that are required to process the STRLIST request. Some data will not be included in the dump.

### 00000001

SVC dump processing truncated the dump because a critical shortage of auxiliary storage existed. See the information for message IRA201E to determine how to relieve the shortage.

**zzzzzzzz**

Partial dump reason code. One of the following:

**Bits in the first byte indicate a result that occurred because one or more of the following conditions may exist:**

- there is a shortage of central storage
- there is a shortage of auxiliary storage
- the DUMPSRV address space dispatching priority is too low

### 80000000

Dump processing had reset the system dispatchable and dump processing failed or ended, leaving the system set non-dispatchable.

### 40000000

Dump processing had reset the tasks dispatchable in one or more

address spaces involved in the SVC dump. Then dump processing failed or ended, leaving the tasks non-dispatchable.

### 20000000

Dump processing reset the caller's unit of work, which was stopped as part of suspend summary dump processing. Then dump processing failed during suspend summary dump processing, leaving the caller suspended.

### 10000000

IEAVTSDB released serialization for all serialized structures specified in the STRLIST because SDUMP appears to have failed or ended.

### 08000000

The central storage buffer containing the summary dump was released when it was determined that dump processing was hung. The summary dump was lost.

### 00800000

Facility not available. Some structures will not be dumped.

### 00400000

The structure is not available for one of the following reasons:

- The system detected a structure failure and the structure cannot be accessed
- The structure is not allocated

### 00200000

No facility dump space is allocated or no facility dump space is available because it is being used to hold structure dump tables for other structure dumps

### 00100000

Possible error in STRLIST parameter list for one of the following reasons:

- The structure does not exist in the active policy
- The structure type is not compatible with the specified range options
- A lock structure was requested. SDUMP does not support lock structures



**00080000**

Some or all of the STRLIST could not be processed

**00040000**

The system released structure dump serialization before capturing all the data. The system captured the rest of the data after releasing serialization.

**00020000**

Recovery received control while processing STRLIST

**00010000**

SVC dump was unable to continue processing a structure requested in the STRLIST parameter list. This may be because the operator deleted the structure dump with the SETXCF FORCE command.

**00008000**

Recovery received control while building the SDUMP signals for other systems in the sysplex

**reason-text**

One of the following:

**SUMMARY DUMP INFORMATION WAS LOST**

A problem arose where processing was unable to complete a requested summary dump. Refer to the description of the SDRSN bits that are set to determine whether the data was truncated, or completely lost.

**A CRITICAL AUXILIARY STORAGE SHORTAGE EXISTED**

SVC dump processing truncated the dump because a critical shortage of auxiliary storage existed. See message IRA201E to determine how to relieve the shortage.

**DUMP DATA SET FULL - DUMP ENDED WHILE WRITING {SUMDUMP|GLOBAL|LOCAL|STRLIST}**

The dump data set is full, but more data needs to be dumped. The message indicates at what point the data set became full.

**I/O ERROR - NO EOF WRITTEN - DUMP ENDED WHILE WRITING {SUMDUMP|GLOBAL|LOCAL|STRLIST}**

An I/O error occurred while the system was writing to the dump data set. The message indicates

the system was dumping at the time of the I/O error.

**MAXSPACE LIMIT REACHED WHILE CAPTURING DUMP**

Insufficient space was available to capture the complete dump.

**ERROR OCCURRED IN AN SDUMP EXIT****ERROR OCCURRED IN AN SDUMP LOCAL EXIT****ERROR OCCURRED IN AN SDUMP GLOBAL EXIT****ERROR OCCURRED IN AN SDUMP EARLY GLOBAL EXIT****ERROR OCCURRED IN AN SDUMP ONE-TIME-ONLY EXIT****ERROR OCCURRED IN AN SDUMP DYNAMIC LOCAL EXIT****ERROR OCCURRED IN AN SDUMP DYNAMIC GLOBAL EXIT**

Dump processing encountered an unexpected error in an SDUMP exit of the specified type.

**SOME STORAGE COULD NOT BE DUMPED RC=rc**

Storage could not be dumped. *rc* can be one of the following:

- 04** The system could not find the requested ASIDs.
- 08** Not all of the data requested in a summary dump could be contained in the central storage buffer or virtual storage buffer.
- 12** Either (1) the internal SVC dump control blocks are full, so that some data was not dumped, or (2) dump processing received an error return code when it tried to dump the system trace.
- 16** SVC dump was not able to process all of the structures specified in the STRLIST parameter list.
- 20** SDUMP processing could not collect the local storage of at least one of the normally collected storage address spaces involved in the dump. Refer to the description of the SDRSN bits that are set for more information.

## IEA912I

**SYSTEM RESET DISPATCHABLE PRIOR TO DUMP COMPLETION** Dump processing failed or ended with the system set non-dispatchable. The system detected the error and reset dispatchable.

**TASKS RESET DISPATCHABLE PRIOR TO DUMP COMPLETION** Dump processing failed or ended with tasks set non-dispatchable in one or more address spaces involved in the SVC dump. The system detected the error and reset the tasks dispatchable.

**ENABLED CALLER RESET PRIOR TO DUMP COMPLETION** Dump processing failed or ended during suspend summary dump processing, leaving the caller suspended. The system detected the error and reset the caller's unit of work.

**STRUCTURE DUMP SERIALIZATION RELEASED PRIOR TO DUMP COMPLETION**  
The SVC dump time disabled interruption exit routine released dumping serialization that was held for a structure requested in the STRLIST parameter list. Serialization was released because:

- The routine had detected that SVC dump processing was not continuing normally or had ended and left the structure serialized.
- ACESSTIME=ENFORCE was specified on the dump request (or defaulted) and the data requested in the STRLIST parameter list for a requested structure was not completely processed within the time limit specified by the ACESSTIME parameter on the IXLCONN macro.

**ERROR OCCURRED IN SDUMP**  
Dump processing encountered an unexpected error.

**ERRORID = SEQyyyyy CPUzz ASIDasid TIMEhh.mm.ss.t**

The error identifier.

**yyyyyy** The sequence number

**zz** The central processor address

**asid** The ASID for the address space in which the error occurred

**hh.mm.ss.t**  
The time in hours (00 through 23), in minutes (00 through 59), in seconds (00

through 59), and in tenths of a second (0 through 9).

**TSOID = tsoid** The dump was generated for a SLIP trap that was set in a Time Sharing Option (TSO) session.

**tsoid** The identifier of the TSO user who defined the trap.

**ID = uuuuuuuuuu**  
The component or subsystem identifier that was supplied in the ID keyword on the SDUMP or SDUMPX macro.

**System Action:** The system continues processing.

**Operator Response:** To keep dump data sets available, ask the system programmer to identify SYS1.DUMPnn data sets that can be cleared. Then enter DUMPDS commands to clear them.

**System Programmer Response:** Take the appropriate action as indicated in the following descriptions:

**DUMP DATA SET FULL - DUMP ENDED WHILE WRITING {SUMDUMP|GLOBAL|LOCAL|STRLIST}**  
Format the partial dump.

**I/O ERROR - NO EOF WRITTEN - DUMP ENDED WHILE WRITING {SUMDUMP|GLOBAL|LOCAL|STRLIST}**  
Look at the logrec error records to determine the device problem. Contact hardware support.

Format the partial dump. If a previous dump was in the dump data set, the data set may contain a combination of the two dumps.

**ERROR OCCURRED IN SDUMP**  
Obtain the logrec error record. Search the problem reporting data bases for a fix for the problem. If no fix exists, notify the IBM Support Center. Provide the logrec error record.

**SOME STORAGE COULD NOT BE DUMPED RC=16**  
Refer to the description of the SDRSN bits that are set. Use the IPCS Sub-Command STRDATA to format the list of structures that was requested to be dumped. The reason that the structures were not completely processed will be displayed.

**Source:** SVC dump

**Detecting Module:** IEAVTSDC

---

### IEA912I RECOVERY/TERMINATION DUMP FAILED [DUE TO cde]

**Explanation:** During recovery from an error, the system requested an ABEND dump. The dump failed for one of the following reasons:

- An unopened data control block (DCB) was referenced during validity checking.

- A task control block (TCB) address that is not valid was referenced during validity checking.
- A page that was not valid was referenced during validity checking.
- Storage was unavailable.
- The DCB type was not correct.

In the message text:

**DUE TO** *cde*

SYSDUMP processing ended abnormally with a completion code of *cde*.

**System Action:** Except for the case where tasks are prematurely marked dispatchable, the system does not write out the dump.

**System Programmer Response:** Correct the original failure and, if the message includes *cde*, the dump failure. See the system programmer response for completion code *cde*. In the case where the tasks were prematurely made dispatchable, and enqueue lockout situation was detected and allowed to clear up. However, the information in the dump must be carefully validated because task processing might have changed vital information in common and shared storage areas.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTABD

---

**IEA913I      COMMON AREA BELOW 16M  
EXCEEDS 8M by xxxxK**

**Explanation:** The size of the common area below 16 megabytes is greater than 8 megabytes. This reduces the size of the private area below 16 megabytes.

In the message text:

xxxxK    The number of kilobytes by which the size of the private area below 16 megabytes is reduced.

**System Action:** The system continues processing.

**Source:** Virtual storage manager (VSM)

**Detecting Module:** IEAVNP08

---

**IEA915E      SYNTAX ERROR IN IEASYSxx  
CONTENTS, PROMPT FOLLOWS**

**Explanation:** Paging data set names are incorrect in the PAGE parameter of the IEASYSxx parmlib member.

In the message text:

**IEASYSxx**

The parmlib member, with a suffix of *xx*.

**System Action:** The system issues a message to ask the operator to respecify the PAGE parameter.

**Operator Response:** Respond to the message. Notify the system programmer.

**System Programmer Response:** Before the next IPL, correct the contents of IEASYSxx according to the syntax for specifying paging space data set names.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM2

---

**IEA916E      SYNTAX ERROR IN  
{PAGE=|PAGOTL=| NONVIO=}  
SYSTEM PARAMETER, PROMPT  
FOLLOWS**

**Explanation:** A system parameter contains a syntax error.

**System Action:** The system issues message IEA906A to prompt the operator to respecify the parameter, or to press the ENTER button on the console.

**Operator Response:** Reply to message IEA906A. Notify the system programmer.

**System Programmer Response:** Ensure that the system parameter has the correct syntax.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

---

**IEA918I      PAGE DATA SET *dsname* NOT  
ACCEPTED**

**Explanation:** The system could not use a page data set because either:

- The auxiliary storage manager (ASM) is already using the data set.
- This data set would exceed the limit of page data sets.

In the message text:

*dsname*

The name of the data set.

**System Action:** The system continues initialization. If the data set is already in use, the system issues message IEA922D.

**Operator Response:** Do one of the following:

- If message IEA922D follows this message, the data set is already in use. Respecify a data set name.
- If a page data set limit has been reached, notify the system programmer.

**System Programmer Response:** If this data set must be used and some others should be omitted, respecify the paging data sets when restarting the system with the CLPA or CVIO option.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

## IEA920I • IEA922D

---

### IEA920I PAGE DATA SET *dsname* NOT LOCATED

**Explanation:** The system could not use a page data set because either:

- The system could not locate a data set in the master catalog.
- The master catalog information does not agree with expected and necessary attributes of a page data set.

In the message text:

*dsname*

The name of the data set.

**System Action:** The system continues initialization.

If the data set was newly specified during this IPL, the system issues message IEA922D to prompt the operator to respecify the data set name.

If PAGE is specified in the message text and the page data set is known from a previous IPL as containing VIO pages that should be used under current IPL options, the system issues message IEA930I. The system continues initialization.

In all other cases, the system issues message IEA922D.

**Operator Response:** Reply to message IEA922D, if issued. Notify the system programmer.

**System Programmer Response:** Before the next system initialization, verify that the page data set is cataloged in the master catalog.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM2

---

### IEA921I PAGE DATA SET *dsname* INVALID

**Explanation:** The catalog for a page data set does not meet the requirements of a page data set. The device may not be supported for paging, or the data set is not defined as previously known for paging.

In the message text:

*dsname*

The name of the data set.

**System Action:** If the page data set was to contain PLPA pages, the system issues message IEA935W. The system ends initialization.

If the DUPLEX page data set is known from a previous IPL and should be used under current IPL options, the system issues message IEA942I. Paging initialization continues.

If the page data set is known to paging initialization as containing VIO pages which should be used under current IPL options, the system issues message IEA930I. Paging initialization continues.

In all other cases, the system issues message IEA922D.

**Operator Response:** If the system issues IEA922D, respecify the data set name. Otherwise, notify the system programmer.

**System Programmer Response:** Check catalog information about this data set. If necessary, redefine it before the next system initialization.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM2

---

### IEA921I PAGE DATA SET *dsname* INVALID

**Explanation:** The catalog for a page data set does not meet the requirements of a page data set. The device may not be supported for paging, or the data set is not defined as previously known for paging.

In the message text:

*dsname*

The name of the data set.

**System Action:** If the page data set was to contain PLPA pages, the system issues message IEA935W. The system ends initialization.

If the page data set is known to paging initialization as containing VIO pages which should be used under current IPL options, the system issues message IEA930I. Paging initialization continues.

In all other cases, the system issues message IEA922D.

**Operator Response:** If the system issues IEA922D, respecify the data set name. Otherwise, notify the system programmer.

**System Programmer Response:** Check catalog information about this data set. If necessary, redefine it before the next system initialization.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM2

---

### IEA922D REPLY 'DSN=' OR 'IGNORE'

**Explanation:** This message allows the operator to respecify a page data set name.

**System Action:** The system waits for the operator to reply. If the operator replies with a new data set name, the system processes the data set. If the operator replies IGNORE, initialization either continues with the existing list of data sets, or the system enters wait state X'03C' if the data is:

- The PLPA page data set.
- The COMMON page data set.
- The only local page data set that is available to the system.

**Operator Response:** Do one of the following:

- Enter REPLY id,DSN= to specify the new data set name.
- Enter REPLY id,IGNORE to continue with the data set.

Notify the system programmer.

**System Programmer Response:** See the previously issued message.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM2

---

**IEA923D VOLUME *ser* NEEDED FOR PAGE DATA SET WAS NOT MOUNTED; REPLY 'GO' OR 'IGNORE'**

**Explanation:** The system could not open a page data set because the volume was not mounted. The data set does not contain any pages of PLPA or VIO that would be missed with the IPL options in effect.

In the message text:

*ser* The volume serial number.

**System Action:** The system waits for the operator to reply.

If the volume is to be provided (GO), initialization continues. The system issues a mount message. The data set is used.

If the volume is to be ignored (IGNORE), initialization continues without the data set.

**Operator Response:** Either enter REPLY id,GO and prepare to mount the requested volume, or enter REPLY xx,IGNORE. Notify the system programmer of this message if you reply IGNORE.

**System Programmer Response:** Review space now being used for paging, depending upon which type was ignored. Ask the operator to enter the PAGEADD command to help system performance if space was insufficient.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM1

---

**IEA924D VOLUME *ser* NEEDED FOR PAGE DATA SET WAS NOT MOUNTED; {CLPA MAY BE FORCED|NEW PLPA DATA SET MAY BE REQUESTED}; REPLY 'GO' OR 'IGNORE'**

**Explanation:** The system attempted to open a page data set on this volume, but discovered that the volume was not mounted.

In the message text:

*ser* The volume serial number.

**CLPA MAY BE FORCED**

The COMMON page data set resides on this volume.

**NEW PLPA DATA SET MAY BE REQUESTED**

The PLPA page data set resides on this volume.

**System Action:** The system waits for the operator to reply. If the volume is to be provided (GO), paging initialization continues. The system issues a mount message. The data set is used.

In most cases, if the volume is not to be provided (IGNORE), message IEA922D requests a new data set name.

If a quick or warm start is in progress, the PLPA page data set overflowed to the COMMON page data set. The unmounted volume contains this COMMON page data set. Initialization will force a cold start (CLPA) and issue message IEA929I.

**Operator Response:** Either enter REPLY id,GO and prepare to mount the requested volume, or enter REPLY id,IGNORE. Notify the system programmer.

**System Programmer Response:** If a permanent change is desired, update the IEASYSxx parmlib member to reflect the new PLPA or COMMON page data set name. Otherwise, complete the IPL, correct the problem, and reIPL with the original data sets.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM

---

**IEA925D VOLUME *ser* NEEDED FOR PAGE DATA SET WAS NOT MOUNTED; CVIO MAY BE FORCED; REPLY 'GO' OR 'IGNORE'**

**Explanation:** When the system tried to open a page data set, the volume containing the data set was not mounted. The volume contains pages of VIO data sets that may be required for recovery of one or more VIO data sets.

In the message text:

*ser* The volume serial number.

**System Action:** The system waits for the operator to reply.

If the volume is to be provided (GO), initialization continues. The system issues a mount message. The page data sets on that volume are used.

If the volume is not provided (IGNORE), initialization continues without page data sets on that volume. In addition, the CVIO option will be in effect, causing all VIO data sets from previous IPLs to be unrecoverable.

**Operator Response:** Either enter REPLY id,GO and prepare to mount the requested volume, or enter REPLY xx,IGNORE. Notify the system programmer of this message if the volume is not made available.

**System Programmer Response:** Review paging



## IEA926I • IEA930I

space because the CVIO option is in effect unexpectedly. Only data sets specified on this IPL will be used. Consider asking the operator to enter the PAGEADD command.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM1

---

### IEA926I INVALID SYNTAX FOR CMB KEYWORD

**Explanation:** The parameter string of the channel measurement block (CMB) keyword in the IEASYSxx parmlib member is incorrect.

**System Action:** The system ignores all data in the CMB keyword. The system writes a message to ask the operator to respecify the CMB keyword and its parameter string.

**Operator Response:** Reply to the prompting message with a valid CMB keyword or specify EOB (press ENTER).

**System Programmer Response:** Verify the CMB keyword and its parameters in the IEASYSxx member. If the parameters are correct, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** System resources manager (SRM)

**Detecting Module:** IEAVNP1F

---

### IEA927I PLPA AND COMMON PAGE DATA SETS FULL FROM PREVIOUS IPL

**Explanation:** On a previous system initialization, the PLPA and COMMON page data sets were filled up during the write of the pageable link pack area (PLPA). The common storage area (CSA) and the rest of the PLPA have no primary slots.

**System Action:** Initialization continues with the DUPLEX page data set. If there is no DUPLEX page data set, the system issues message IEA935W.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** If a warm start is necessary to clean up work in the system, ensure that the previous DUPLEX page data set is usable, then ask the operator to relPL. Otherwise, redefine the PLPA and COMMON page data sets, then ask the operator to relPL with the CLPA option.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

---

### IEA928I MODULE AT LOCATION xxxxxx IN PLPA CONTAINS HOLES

**Explanation:** One of the following occurred:

1. While building the paging information for the pageable link pack area (PLPA) during a cold start

(CLPA IPL), the system found an incorrect external page table entry for a PLPA module.

2. While restoring paging information for PLPA during a warm or quick start (not a CLPA IPL), the system found an external page table entry for a PLPA module that contained zero, indicating that condition 1 occurred during cold start.

These conditions indicate that the module in the PLPA contains non-contiguous code or large constant areas on the page referenced by the page table entry. This condition should not occur in a PLPA module.

In the message text:

xxxxxx The address of the module.

**System Action:** Paging initialization processing marks the external page table entry as incorrect. Initialization processing continues. Any address space that subsequently references this PLPA page will abnormally end with abend code X'028'.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Use the current LPA map to identify the module containing virtual address xxxxxx. Correct the module. Ask the operator to IPL, specifying the CLPA system parameter.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRQSRIT

---

### IEA929I CLPA FORCED

**Explanation:** Initialization cannot continue without the CLPA option. A cold start is forced.

**System Action:** Initialization continues as if CLPA had been specified.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Look for the messages that preceded this message.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

---

### IEA930I CVIO FORCED

**Explanation:** Initialization cannot continue without the CVIO option. All VIO data set pages are cleared.

**System Action:** Initialization continues as if CVIO had been specified.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Look for the messages that preceded this message.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

---

**IEA931I      ESTAE REQUEST FOR GTF TRACE  
FORMATTING FUNCTION  
UNSUCCESSFUL**

**Explanation:** The recovery environment requested by the generalized trace facility (GTF) was not established.

**System Action:** The system does not format any GTF buffers.

**System Programmer Response:** Obtain the SYSOUT output for the job.

Collect all printed output and output data sets related to the problem. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Generalized trace facility (GTF)

**Detecting Module:** IGC0F05A

---

**IEA932I      INSUFFICIENT STORAGE FOR GTF  
BUFFER FORMATTING**

**Explanation:** There is insufficient system queue area (SQA) for generalized trace facility (GTF) buffer formatting.

**System Action:** The system does not format any GTF buffers.

**System Programmer Response:** Obtain the SYSOUT output for the job.

Collect all printed output and output data sets related to the problem. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Generalized trace facility (GTF)

**Detecting Module:** IGC0F05A

---

**IEA933I      UNABLE TO LOAD FORMAT  
APPENDAGE xxx. FURTHER RCDS  
REQUIRING THIS MOD WILL BE  
DUMPED IN HEX**

**Explanation:** Generalized trace facility (GTF) formatting module was unable to load a format appendage.

In the message text:

xxx      The format appendage.

**System Action:** The system continues formatting GTF buffers, dumping in hexadecimal any record that requires the format appendage for editing.

**System Programmer Response:** Collect all printed output and output data sets related to the problem. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Generalized trace facility (GTF)

**Detecting Module:** IGC0F05A

---

**IEA934I      INVALID RETURN CODE RECEIVED  
FROM mod. FURTHER RCDS  
REQUIRING THIS MOD WILL BE  
DUMPED IN HEX**

**Explanation:** The system detected an incorrect return code on return from a module.

In the message text:

mod      The name of the module.

**System Action:** The system continues formatting GTF buffers, dumping in hexadecimal any record that requires this module for editing.

**System Programmer Response:** Collect all printed output and output data sets related to the problem. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** Generalized trace facility (GTF)

**Detecting Module:** IGC0F05A

---

**IEA935W      INSUFFICIENT PAGING RESOURCES,  
IPL TERMINATED**

**Explanation:** To support minimal paging, there must be a minimum number of paging data sets with a minimum number of system-page-sized slots in a certain distribution available. The system determined that these requirements are not available.

**System Action:** System initialization stops. The system enters a wait state.

**Operator Response:** See the operator response for the wait state.

**System Programmer Response:** See the system programmer response for the wait state.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

---

**IEA936D      FUTURE QUICK AND WARM STARTS  
OF THIS IPL WILL FAIL. RE-IPL OR  
REPLY 'GO' TO CONTINUE COLD  
START**

**Explanation:** On a system initialization with the CLPA option, the system needed to write quick/warm start data to the first records of the PLPA page data set. However, the write failed. None of the information will be accessible to a future initialization.

**System Action:** The system waits for the operator to reply.

**Operator Response:** Notify the system programmer. Enter REPLY id,GO to continue with the cold start, or reIPL at the system programmer's request.

## IEA937I • IEA940I

**System Programmer Response:** When using this PLPA page data set again, ask the operator to perform an IPL with the CLPA option.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRQSRIT

---

### IEA937I COMMON PAGE DATA SET TIMESTAMP FAILURE

**Explanation:** When this message is followed by message IEA935W, the system could not read or write the time stamp record in the COMMON page data set. The time stamp is written on initializations with the CLPA option; it is written on initializations without the CLPA option if part of the PLPA was written to the COMMON page data set.

When this message is followed by message IEA929I, the system read the time stamp in the COMMON page data set, but the time stamp failed to match the time stamp of the PLPA slot information.

**System Action:** If unable to access the COMMON page data set, the system enters a wait state. If the wrong level of the COMMON page data set is accessed, system operation continues with a cold start (CLPA IPL) forced.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** If the system entered a wait state, correct or replace the COMMON page data set. Then ask the operator to reIPL with the CLPA option.

If the system did not enter a wait state, and a warm start is necessary, stop the IPL. Make the correct level COMMON page data set available. Then ask the operator to reIPL.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

---

### IEA938W NO STORAGE AVAILABLE, PAGING INITIALIZATION TERMINATED

**Explanation:** A request for additional storage failed during initialization. The maximum size of the system queue area (SQA) specified has probably been exceeded.

**System Action:** System initialization stops. The system enters a wait state.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** Ensure that enough SQA is requested. If not, increase the SQA maximum size.

Otherwise, the system configuration may be too small.

Possibly, an error occurred in the system. Search problem reporting data bases for a fix for the problem. If

no fix exists, contact the IBM Support Center.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM2

---

### IEA939D QUICK AND WARM START DATA IS INVALID, RE-IPL OR REPLY 'GO' FOR COLD START

**Explanation:** A system initialization without the CLPA option was attempted. Information on the PLPA paging data set was inaccessible:

- The specified PLPA paging data set must be the same as that used on the previous successful cold start (CLPA IPL).
- If the same data set was being used, then the system could not read the necessary information.

**System Action:** The system waits for the operator to reply.

**Operator Response:** Either enter REPLY id,GO if a cold start is desired, or reIPL with a different data set specified for PLPA paging. Notify the system programmer.

**System Programmer Response:** Verify that the correct IEASYSxx parmlib member is being used. Also, verify the previous use of the PLPA paging data set.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

---

### IEA940I THE FOLLOWING PAGE DATA SETS ARE IN USE:

PLPA ... *dsname*  
COMMON . *dsname*  
LOCAL .. *dsname*  
.  
.  
.

**Explanation:** This message is issued if L is specified on the PAGE system parameter, or if the system has been forced to change the list of page data sets originally specified. The list of data sets should help the operator verify which paging volumes are in use, especially after a warm start where data sets used on the previous initialization were not specified on this initialization.

In the message text:

*dsname*

The name of the data set.

**System Action:** Initialization continues.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM1

---

**IEA941D      VOLUME *ser* NEEDED FOR DUPLEX  
DATA SET NOT MOUNTED DUPLEXING  
MAY BE STOPPED, REPLY 'GO' OR  
'IGNORE'**

**Explanation:** The system attempted to open a volume, but discovered that the volume was not mounted. If duplexing is desired for this initialization, the volume must be mounted.

In the message text:

*ser*      The volume serial number.

**System Action:** The system waits for the operator to reply. If the volume is to be provided (GO), initialization continues; the system issues a mount message and uses the data set. If the volume is not provided (IGNORE), initialization continues without duplexing.

**Operator Response:** Either enter REPLY id,GO and prepare to mount the requested volume, or enter REPLY id,IGNORE.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

---

**IEA942I      DUPLEXING INACTIVE, {NO DATA  
SET|BAD TIME STAMP}**

**Explanation:** A DUPLEX page data set and the CLPA option were specified either on the current initialization or on the CLPA IPL for which the current initialization is based. While trying to use the DUPLEX page data set, the system detected an error.

In the message text:

**NO DATA SET**

A preceding message indicates the error.

**BAD TIME STAMP**

If the CLPA option was specified or forced, the attempt to write a time stamp to the first record of the data set failed. If the CLPA option was not used, the attempt to read the time stamp failed or the time stamp no longer matched that of the PLPA slot information.

**System Action:** Initialization continues without duplexing.

**Operator Response:** To restore duplexing, perform a cold start (CLPA IPL) with the DUPLEX page data set specified. If necessary, replace or correct the DUPLEX page data set.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

---

**IEA943W      FAILURE DURING SAVE OR REBUILD  
OF PLPA**

**Explanation:** For an initialization without the CLPA option, the system attempted to restore paging information for the PLPA data set into the page tables representing the PLPA. However, the page table could not be found or PLPA slot information was incorrect.

For a cold start (CLPA IPL), the system attempted to save paging information found in page tables representing the PLPA. However, a page table could not be found.

**System Action:** The system ends initialization and enters wait state X'061'.

**Operator Response:** Notify the system programmer. RelIPL with the CLPA option.

**System Programmer Response:** See the operator response for wait state X'061'.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRIM

---

**IEA944I      QUICK OR WARM STARTS FROM THIS  
IPL WILL HAVE RANDOM RESULTS**

**Explanation:** On a quick or warm start, an attempt to write page data set information to the PLPA page data set has failed. The failure might have destroyed previous information or might have just left the information down level. Further use of the information would, therefore, cause unpredictable results.

**System Action:** Initialization continues.

**Operator Response:** Notify the system programmer. Be sure that the device containing the PLPA page data set is not in READ ONLY status.

If the present IPL status is either specified or forced CVIO, and it is desired to do an IPL without the CVIO option, then stop the current IPL. If the present IPL did not specify the CVIO option, continue with the current IPL only to clear up previous VIO-related jobs.

RelIPL according to the system programmer's instructions.

**System Programmer Response:** Evaluate the PLPA page data set, and replace or redefine, as necessary. Then, ask the operator to relIPL with this PLPA page data set and with the CLPA option.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM1

---

**IEA945W      UNABLE TO USE CLOCK FOR  
TIMESTAMP**

**Explanation:** On a system initialization with CLPA or CVIO specified or forced, the system could not obtain a

## IEA946W • IEA950I

unique time stamp to mark corresponding information and data sets.

**System Action:** Initialization ends. The system enters wait state X'061'.

**Operator Response:** See the operator response for wait state X'061'.

**Source:** Auxiliary storage manager (ASM)

**Detecting Module:** ILRASRM1

---

### IEA946W NO {VIRTUAL|REAL} STORAGE AVAILABLE FOR SQA

**Explanation:** During processing for a GETMAIN or a FREEMAIN macro, the system found that no storage was available in the system queue area (SQA) to back the storage request.

**System Action:** The system enters one of the following wait states:

- X'101' for a virtual storage request
- X'102' for a central storage request

**Operator Response:** Restart the system. If the system displays this message frequently, contact the system programmer.

**System Programmer Response:** See installation procedures to increase the space allowed for the SQA. If the system displays this message frequently, see installation procedures to increase the central storage requirements.

**Source:** Virtual storage manager (VSM)

**Detecting Module:** IGVVSCEL

---

### IEA947A REPLY U TO CONTINUE, OR RE IPL.

**Explanation:** During processing of a VATLSTxx parmlib member, the system found a system volume, specified in message IEA866I, that is not mounted on the device type specified in the VATLST entry.

**System Action:** The system waits for the operator to reply.

**Operator Response:** If the wrong volume was mounted for IPL, mount the correct volume. If the correct volume is mounted, REPLY 'U' to continue, and notify the system programmer of the VATLST entry error. If you reply 'U', the system will ignore the attributes of the volume and they will remain public.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

---

### IEA948I *dev* NOW UNLOADED.

**Explanation:** During processing of a VATLSTxx parmlib member, the system unloaded a volume. In the message text:

*dev*

The device number of the device from which the volume was unloaded.

**System Action:** The system unloads the volume.

**Operator Response:** See the operator response for preceding message, either message IEA854I or IEA866I.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

---

### IEA949I I/O ERROR READING VATLSTxx.

**Explanation:** During processing of a VATLSTxx parmlib member, the system detected an uncorrectable I/O error. If message IEA949A does not appear, then the system had not processed any VATDEF entries before the error occurred.

**System Action:** The system may issue message IEA949A to prompt the operator for a reply.

**Operator Response:** If message IEA949A appears, see the operator response for that message.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

---

### IEA949A REPLY YES FOR LIST OF ENTRIES THAT WILL BE PROCESSED, OR U FOR NO LIST.

**Explanation:** This message prompts the operator for a reply to message IEA949I.

**System Action:** The system waits for the operator to reply.

**Operator Response:** REPLY 'YES' for a list of entries (encountered before the error occurred) that will be processed, or 'U' if you do not want a list.

**Source:** Allocation/unallocation

**Detecting Module:** IEAVAP00

---

### IEA950I MODULE *mod* NOT FOUND; MC ROUTING INACTIVE

**Explanation:** A module was not found in the link pack area (LPA). The system will be unable to initialize the generalized trace facility (GTF).

In the message text:

*mod* The name of the module.

**System Action:** Processing continues.

**System Programmer Response:** To use GTF, ensure that the following modules are present in LPA:

AHLSETEV  
AHLSETD  
AHLMCER



After updating the necessary libraries with these modules, relPL the system to initialize GTF.

**Source:** Generalized trace facility (GTF)

**Detecting Module:** IEAVNP17

---

**IEA958I EXCP APPENDAGE NAME TABLE NOT BUILT**

**Explanation:** During system initialization, the nucleus initialization program (NIP) accessed the IEAAPP00 parmlib member to build a table of valid modules that may be loaded as run channel program (EXCP) appendages. Due to an I/O error or to a syntax error in IEAAPP00, NIP could not complete construction of this table.

If installation supplied modules are being loaded as appendages for a data control block (DCB) with MACRF=(E), the modules must operate in protection key 0-7 or be authorized under authorized program facility (APF).

**System Action:** If unauthorized installation-supplied appendages are loaded for a DCB with MACRF=(E), the system issues abend code X'913' with a return code X'20'.

**Operator Response:** Notify to the system programmer.

**System Programmer Response:** Rebuild IEAAPP00 prior to the next IPL for.

**Source:** DFSMSdfp

**Detecting Module:** IEAVNP16

---

**IEA959I ERROR CAUSED ACTIVE LPA TO BE TRUNCATED, MODULE CONTROL MAY BE LOST**

**Explanation:** Recovery from a system error required the active link pack area (LPA) to be truncated. This means that modules in the LPA may no longer be invocable and attempts to use them may cause abnormal ending or unpredictable results.

**System Action:** The system continues processing. The system writes a logrec data set error record.

**Operator Response:** Report this message to the system programmer. If frequent abnormal endings occur, relPL may be necessary. Obtain a stand-alone dump if the system programmer requests one.

**System Programmer Response:** Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. Provide the logrec data set error record and the stand-alone dump, if available.

**Source:** Contents supervision (CSV)

---

**IEA964I HARDCOPY SUSPENDED, REASON=xxxx, NO HARDCOPY DEVICE AVAILABLE**

**Explanation:** The device used to receive the hard-copy log, or scheduled to receive the hard-copy log, is unavailable. The system cannot switch the hard-copy log to the system log or to an appropriate console because neither is available.

In the message text:

xxxx The reason code, as follows:

**ATTRES**

The master console was varied offline after a failure.

**K V**

The operator entered a CONTROL V, USE=FC command to relieve a no consoles condition.

**VARY**

The operator varied a console online to relieve a no consoles condition.

**CQUEER**

The system cannot obtain the console queue element (CQE).

**HCSW**

The hard-copy log was switched from the system log.

**EXT**

The operator pressed the external interrupt key.

**IOER**

An I/O error occurred on the failing console.

**SWER**

A software error occurred for the failing console.

**VMST**

The operator entered a VARY MSTCONS command.

**OPER**

An open failure occurred for the console.

**CFCHP**

The operator entered a CONFIG CHP command.

**SFAIL**

A system in the sysplex failed.

**SINIT**

A system in the sysplex completed initialization, causing a change in the console configuration.

**System Action:** Processing continues. The system does not save messages processed when no hard-copy log is available.

**Operator Response:** Issue the VARY {devnum|SYSLOG},HARDCPY command to restart the hardcopy log. Either an actual hardcopy printer device can be specified, or SYSLOG may be used if you want the system log to be the hardcopy log.

**Source:** Communications task (COMMTASK)

**Detecting Module:** IEAVSWCB

**IEA966I NO SRM DEVICE SELECTION OR I/O LOAD BALANCING**

**Explanation:** The system could not obtain central storage to build channel measurement blocks (CMB). Device allocation and I/O load balancing use these channel measurements.

**System Action:** The system continues processing with the device allocation and I/O load balancing algorithms operating without I/O measurement data. The system writes messages about the problem.

**Operator Response:** Configure additional central storage. Notify the system programmer.

**System Programmer Response:** Verify that the REAL, SQA, and CSA parameters are properly defined in the IEASYSxx parmlib member.

If the parameters are correct, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** System resources manager (SRM)

**Detecting Module:** IEAVNP1F

**IEA967W UNSUCCESSFUL RECOVERY ATTEMPT BY SUPERVISOR CONTROL**

**Explanation:** Supervisor control experienced a double recursive abnormal end in its super functional recovery routine (FRR). This is a probable software error.

**System Action:** The system enters wait state X'01C'.

**Operator Response:** See the operator response for wait state X'01C'.

**System Programmer Response:** See the system programmer response for wait state X'01C'.

**Source:** Supervisor control

**Detecting Module:** IEAVESPR

**IEA989I SLIP TRAP ID=xxxx MATCHED. [text]**

**Explanation:** A SLIP command had set a SLIP trap which requested that a dump be suppressed. All conditions defined by the SLIP trap were met, and the system has suppressed the dump. The system issues this message to hardcopy only.

In the message text:

**ID=xxxx**

The SLIP trap identifier specified on the SLIP command.

**text**

One of the following:

**JOBNAME=jobname,ASID=asid**

The name of the job associated with the home address space and the address space identifier (ASID) of the home address space at the time

of the error or PER interrupt. If the job name is not available, but the ASID is available, the *jobname* is \*UNAVAIL.

**JOBNAME/ASID NOT AVAILABLE**

The job name and ASID of the home address space at the time of the error.

**System Action:** The system suppresses the dump and continues processing.

**Source:** SLIP

**Detecting Module:** IEAVTSL2

**IEA990I {REAL|VIRTUAL} STORAGE NOT AVAILABLE FOR {CMB|OPTIONAL CMB ENTRIES|CPMF INTERFACE|IOS INTERFACE}**

**Explanation:** The system could not obtain enough central (real) or virtual storage for the channel measurement block (CMB) or for the channel path measurement facility (CPMF).

**System Action:** Depending on the message text, the system does the following:

**STORAGE NOT AVAILABLE FOR CMB**

The system continues processing, but the SRM channel measurement facility is unavailable for device selection and I/O load balancing for the duration of this IPL. The system writes message IEA966I.

**OPTIONAL CMB ENTRIES**

The system writes a message to ask the operator to respecify the CMB keyword.

**{CPMF INTERFACE|IOS INTERFACE}**

The system continues processing without the use of CPMF.

**Operator Response:** Check the available central storage to see if it is properly configured.

**System Programmer Response:** Ensure that the allocation of storage for the common service area (CSA) is properly specified. If the message reads OPTIONAL CMB ENTRIES, ensure that the CMB system parameter is properly specified in the IEASYSxx parmlib member.

**Source:** System resources manager (SRM)

**Detecting Module:** IEAVNP1F

**IEA991I SRM CHANNEL DATA NO LONGER AVAILABLE FOR I/O SERVICE**

**Explanation:** One of the following occurred:

- The channel measurement facility is not measuring device connect time intervals (DCTI) because of a failure in a channel or processor
- Storage is not available for a required system resources manager (SRM) parameter list

**System Action:** SRM uses the execute channel program (EXCP) counts from address space control blocks (ASCBs) to calculate I/O activity.

**Operator Response:** If the system programmer designated an IEAIPSxx parmlib member to be used when device connection times are not available, enter a set command for that IEAIPSxx member. Notify the system programmer.

**System Programmer Response:** Determine the reason for the lack of storage. Search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

**Source:** System resources manager (SRM)

**Detecting Module:** IEAVNP1F

---

#### IEA992I SLIP TRAP ID=xxxx MATCHED. [text]

**Explanation:** A SLIP command had set a SLIP trap. All conditions defined by the SLIP trap were met. The system has performed the requested action.

In the message text:

**ID=xxxx**

The SLIP trap identifier specified on the SLIP command.

*text*

One of the following:

**JOBNAME=jobname,ASID=asid**

The name of the job associated with the home address space and the address space identifier (ASID) of the home address space at the time of the error or PER interrupt. If the job name is not available, but the ASID is available, the *jobname* is \*UNAVAIL.

**JOBNAME/ASID NOT AVAILABLE**

The job name and ASID of the home address space at the time of the error or PER interrupt are not available.

**System Action:** The system continues processing.

If the SLIP command specified ACTION=WAIT, the system will enter wait state X'01B'. Ordinarily, the system enters the wait state before issuing this message, but, due to timing within the system, the system may issue this message before entering the wait.

**Operator Response:** Notify the system programmer.

**System Programmer Response:** If a wait state occurs, look at the data in message IEE844W.

**Source:** SLIP

**Detecting Module:** IEAVTSL2

---

#### IEA993I SYSDUMP TAKEN TO dsname

**Explanation:** The system wrote a SYSDUMP dump to the data set specified on the SYSDUMP DD statement. The dump is a complete dump.

In the message text:

*dsname*

The data set name.

**System Action:** The system continues processing.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTABD

---

#### IEA995I SYMPTOM DUMP OUTPUT

*text*

**Explanation:** Where *text* is:

```
{SYSTEM|USER} COMPLETION CODE=cde [REASON CODE=reason-code]
TIME=hh.mm.ss SEQ=sssss CPU=cccc ASID=asid
PSW AT TIME OF ERROR xxxxxxxx xxxxxxxx ILC x INTC xx
{ ACTIVE LOAD MODULE ADDRESS=aaaaaaaa OFFSET=nnnnnnnn |
NO ACTIVE MODULE FOUND}
{NAME=load-module-name|NAME=UNKNOWN}
{DATA AT PSW hhhhhhhh - dddddd dddddd dddddd |
DATA AT PSW IS INACCESSIBLE BY USER |
DATA AT PSW IS UNAVAILABLE AT THIS TIME}
```

*registers*

END OF SYMPTOM DUMP

The system issues this message, which is the symptom dump, for all abnormal ends when a SYSABEND, SYSUDUMP, or SYSDUMP is requested. You can use the information in this message to assist in problem determination.

If you want to suppress this message on your system, do one of the following:

- Use the message processing facility (MPF)
- Stop the system from generating symptom dumps by adding the SDATA=NOSYM option to the SYSABEND, SYSUDUMP, or SYSDUMP dump options. You can specify the SDATA=NOSYM dump option in the following ways:
  - Use the CHNGDUMP command from an operator console.
  - Specify NOSYM in the IEAABD00, IEADMP00, and IEADMR00 parmlib members.

In the message text:

**SYSTEM COMPLETION CODE=cde**

The system completion code from the ABEND macro.

**USER COMPLETION CODE=cde**

The user completion code from the ABEND macro.

**REASON CODE=reason-code**

The reason code, if specified in the ABEND macro.

## IEA996I

**TIME=hh.mm.ss**

The time that the dump was written in hours (00 through 23), in minutes (00 through 59), and in seconds (00 through 59).

**SEQ=sssss**

Sequence number for the dump.

**CPU=cccc**

The central processor identifier. If cccc is 0000, the system did not determine on which processor the abend occurred.

**ASID=asid**

The address space identifier (ASID) of the failing task.

**PSW AT TIME OF ERROR xxxxxxxx xxxxxxxx**

The program status word (PSW) at the time of error.

**ILC x**

Instruction length code for the failing instruction.

**INTC xx**

Interrupt code for the failing instruction.

### ACTIVE LOAD MODULE

**ADDRESS=aaaaaaa**

Address of the load module, if the PSW points to one of the following:

- A module running under the current task
- A module loaded by the current task.

**NAME=load-module-name**

Load module name, if the PSW points to an active load module.

**NAME=UNKNOWN**

The system cannot ascertain the load module name because the PSW does not point to an active load module.

**OFFSET=nnnnnnnn**

Offset into the load module of the failing instruction, if the PSW points to an active load module.

**DATA AT PSW hhhhhhhh - dddddddd dddddddd dddddddd**

Address in the PSW minus six, followed by the contents of the three words beginning at the address in hhhhhhhh.

**registers**

The content of the general purpose registers at the time of error. If the PSW at the time of error is in AR ASC mode, the access registers will appear. For a detailed description of the *registers* displayed, see the following explanations.

The *registers* displayed in this message include all registers that contain something other than zero. The output varies depending on whether the system is running in ESA/390 or z/Architecture mode, whether the ARs are all zero, and whether the high halves of the GPRs are all zero.

**Case 1:** The system is running in ESA/390 mode (or z/Architecture mode when all the high halves of the GPRs are zero) and all ARs are zero:

```
GR 0: gggggggg 1: gggggggg
2: gggggggg 3: gggggggg
4: gggggggg 5: gggggggg
6: gggggggg 7: gggggggg
8: gggggggg 9: gggggggg
A: gggggggg B: gggggggg
C: gggggggg D: gggggggg
E: gggggggg F: gggggggg
```

**Case 2:** The system is running in ESA/390 mode (or z/Architecture mode when all the high halves of the GPRs are zero) and **not** all ARs are zero:

```
AR/GR 0: aaaaaaaa/gggggggg 1: aaaaaaaa/gggggggg
2: aaaaaaaa/gggggggg 3: aaaaaaaa/gggggggg
4: aaaaaaaa/gggggggg 5: aaaaaaaa/gggggggg
6: aaaaaaaa/gggggggg 7: aaaaaaaa/gggggggg
8: aaaaaaaa/gggggggg 9: aaaaaaaa/gggggggg
A: aaaaaaaa/gggggggg B: aaaaaaaa/gggggggg
C: aaaaaaaa/gggggggg D: aaaaaaaa/gggggggg
E: aaaaaaaa/gggggggg F: aaaaaaaa/gggggggg
```

**Case 3:** The system is running in z/Architecture mode, the high halves of the GPRs are not all zero, and all ARs are zero:

```
GR 0: gggggggg_gggggggg 1: gggggggg_gggggggg
2: gggggggg_gggggggg 3: gggggggg_gggggggg
4: gggggggg_gggggggg 5: gggggggg_gggggggg
6: gggggggg_gggggggg 7: gggggggg_gggggggg
8: gggggggg_gggggggg 9: gggggggg_gggggggg
A: gggggggg_gggggggg B: gggggggg_gggggggg
C: gggggggg_gggggggg D: gggggggg_gggggggg
E: gggggggg_gggggggg F: gggggggg_gggggggg
```

**Case 4:** The system is running in z/Architecture mode, the high halves of the GPRs are not all zero, and the ARs are not all zero:

```
AR/GR 0: aaaaaaaa/gggggggg_gggggggg 1: aaaaaaaa/gggggggg_gggggggg
2: aaaaaaaa/gggggggg_gggggggg 3: aaaaaaaa/gggggggg_gggggggg
4: aaaaaaaa/gggggggg_gggggggg 5: aaaaaaaa/gggggggg_gggggggg
6: aaaaaaaa/gggggggg_gggggggg 7: aaaaaaaa/gggggggg_gggggggg
8: aaaaaaaa/gggggggg_gggggggg 9: aaaaaaaa/gggggggg_gggggggg
A: aaaaaaaa/gggggggg_gggggggg B: aaaaaaaa/gggggggg_gggggggg
C: aaaaaaaa/gggggggg_gggggggg D: aaaaaaaa/gggggggg_gggggggg
E: aaaaaaaa/gggggggg_gggggggg F: aaaaaaaa/gggggggg_gggggggg
```

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTSYM

---

### IEA996I READ FOR JFCB/JFCBE FAILED, STANDARD DUMP FORMAT ASSUMED

**Explanation:** While trying to determine the requested format of a dump, the system tried to read the job file control block (JFCB) or JFCB extension (JFCBE) for the 3800 printing subsystem. The system failed to read the control block.

**System Action:** The system writes the dump in the standard format of 120 characters per line. The system continues processing.

The system sends messages about the problem to the job log.

**Application Programmer Response:** Rerun the job. If the problem recurs, notify the system programmer.

**System Programmer Response:** Do the following:

- Look at the messages in the job log.
- Collect all printed output and output data sets related to the problem.

- Obtain the program listing for the job.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTABD, IEAVAD01

---

**IEA997I      READ FOR JFCB/JFCBE FAILED,  
DUMP CANCELLED**

**Explanation:** While trying to determine the requested format for a SNAP or ABEND dump, the system tried to read a job file control block (JFCB) or JFCB extension (JFCBE) for the 3800 printing subsystem. The system failed to read the control block.

**System Action:** The system cancels the dump. The system returns a return code of X'08' to the program that tried to read the JFCB or JFCBE.

The system sends messages about the problem to the job log.

**Application Programmer Response:** Rerun the job. If the problem recurs, notify the system programmer.

**System Programmer Response:** Do the following:

- Look at the messages in the job log.
- Collect all printed output and output data sets related to the problem.
- Obtain the program listing for the job.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVAD01

---

**IEA998I      PARTIAL SYSMDUMP TAKEN TO  
*dsname***

**Explanation:** The system could write only a partial SYSMDUMP ABEND dump to the data set on a direct access storage device (DASD) and defined on the SYSMDUMP DD statement. One of the following errors occurred:

- An I/O error occurred while the system was writing the dump to the dump data set.
- The dump data set was filled before the system finished writing all dump data.

In the message text:

*dsname*

The data set specified on the SYSMDUMP DD statement.

**System Action:** The system continues processing.

**System Programmer Response:** Do the following:

1. Print the SYSMDUMP data set. Enough data might have been dumped to diagnose the problem that caused the dump.
2. Increase the size of the DASD data set specified on the SYSMDUMP DD statement.

**Source:** Recovery termination manager (RTM)

**Detecting Module:** IEAVTABD

---

**IEA999W      ADDRESS TRANSLATION ERROR IN  
MASTER MEMORY**

**Explanation:** The system encountered recursive addressing translation exceptions. Possibly the segment table (SGTE) or page tables (PGTE) for the master scheduler address space were initialized incorrectly or overlaid.

**System Action:** The system places all operating systems on all processors in a wait state X'014'.

**Operator Response:** See the operator response for wait state X'014'. RelPL the system.

**System Programmer Response:** See the system programmer response for wait state X'014'.

**Source:** Supervisor control

**Detecting Module:** IEAVEPC





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z/OS  
MVS System Messages  
Volume 6 (GOS - IEA)

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