Systems

IBM Virtual Machine Facility/370: System Messages

Release 6 PLC 2

This publication contains messages and codes that may be encountered when using IBM Virtual Machine Facility/370 (VM/370). Conditions which generate these messages and codes are explained, the resulting system action is described, and appropriate responses are suggested.

In addition, this publication contains information on VM/370 Basic System Extensions Program Product, Program No. 5748-XX8, and VM/370 System Extensions Program Product, Program No. 5748-XE1.

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This publication is a reference manual designed for all users. It contains both messages and codes produced by the IBM Virtual Machine Facility/370 (VM/370).

This publication contains four sections: Introduction, Codes, Messages, and Appendixes.

The "Introduction" contains:

- The format of messages VM/370 generates
- Syntax conventions this publication uses
- CP problem determination procedures

The codes are divided into the following catagories:

- Return codes
- CP wait state codes
- Loader wait state codes
- RSCS wait state codes
- CP abend codes
- CMS abend codes

The message section of this publication is divided as follows:

- Control Program (CP) Messages

- Conversational Monitor System (CMS) Messages

- Remote Spooling Communication Subsystem (RSCS) Messages

- Interactive Problem Control System (IPCS) Messages

- IBCDASDI Virtual Disk Initialization Program Messages

The appendixes contain:

- Command-to-Message Cross-Reference

- Message Summary Alphamerically by Message Identifier

- Message-to-Module Cross-Reference

- Message Text-to-Message Identifier Cross-Reference

- VM/370 Restrictions

References to a standalone dump occur in various messages in this publication. One such program is the BPS Storage Print program, Program No. 360P-UT-056.

The following terms in this publication are defined as follows:

- "270x" refers to IBM 2701, 2702, and 2703 Transmission Control Units or the Integrated Communications Adapter (ICA) on the System/370, Model 135.

- "3270" refers to a series of display devices, that are supported as VM/370 terminal display stations. A specific device type is used only when a distinction is required between device types.

The use of display terminals is applicable to VM/370 supported system consoles used in display mode only.

Information pertaining to the IBM 3284 or IBM 3286 printers includes any printers used for the display terminal copy function unless otherwise noted.

- "3330" refers to the IBM 3330 Disk Storage, Models 1, 2, or 11; the IBM 3333 Disk Storage and Control, Models 1 or 11; and the IBM 3350 Direct Access Storage operating in 3330/3333 Model 1 or 3330/3333 Model 11 compatibility mode.

- "370x" refers to IBM 3704 and IBM 3705 Communications Controllers.

- "3705" refers to the 3705 I and the 3705 II unless otherwise noted.

- "FB-512" refers to the 3310 and the 3370 Direct Access Storage Devices. These devices are only supported by the VM/370 System Extensions Program Product.

PREREQUISITE PUBLICATIONS

IBM Virtual Machine Facility/370:

Introduction, Order No. GC20-1800

CMS Command and Macro Reference, Order No. GC20-1818

CP Command Reference for General Users, Order No. GC20-1820

Operator's Guide, Order No. GC20-1806

Remote Spooling Communications Subsystem (RSCS) User's Guide, Order No. GC20-1816

Interactive Problem Control System (IPCS) Users Guide, Order No. GC20-1823.

COREQUISITE PUBLICATIONS

IBM Virtual Machine Facility/370:

Planning and System Generation Guide, Order No. GC20-1801

System Programmer's Guide, Order No. GC20-1807

Also corequisite are programmer's guides to the various language processors. For anyone who uses the CMS ESERV command under CMS/DOS, the Guide to the DOS/VS Assembler, Order No. GC33-4024, is a corequisite because it contains all the ESERV error messages.

The access method services (IDC-prefix) messages, the access method services return and reason codes, and the VSAM error codes are contained in the DOS/VSE Messages, Order No. GC33-5379.

Error messages issued by the OS/VS and DOS/VS Analysis Program-1 (AP-1) are described in the OS/VS and DOS/VS Analysis Program-1 (AP-1) User's Guide, Order No. GC26-3855.

Messages received at the operator's console of the OS/VS virtual machine used in support of the Mass Storage System (MSS) are documented in the OS/VS Message Library: Mass Storage System (MSS) Messages, Order No. GC38-1000.

The OS/VS EREP messages that are issued in the VM/370 CMS environment are documented in the OS/VS, DOS/VSE, VM/370 EREP Messages, Order No. GC38-1045-1.

This publication contains messages for the following:

• VM/370 System Control Program, Program Number 5749-010

• VM/370 Basic System Extensions Program Product, Program Number 5748-XX8

• VM/370 System Extensions Program Product, Program Number 5748-XE1

Significant information pertaining to the program products is identified by the following delimiters.

```
┌─────────────────────────────────────────────────────────┐
│                                                         │
│                                                         │
│         - - - (Basic System Extensions) - - -           │
│                                                         │
│         This is an example.                             │
│                                                         │
│         - - - - - - - - - - - - - - - - - - - -         │
│                                                         │
│                                                         │
│         - - - (System Extensions) - - -                 │
│                                                         │
│         This is an example.                             │
│                                                         │
│         - - - - - - - - - - - - - - - - -               │
│                                                         │
│                                                         │
│                                                         │
└─────────────────────────────────────────────────────────┘
```

Message text not carrying any qualifiers is part of the base VM/370 System Control Program.

Note to VM/370 System Extensions Program Product Users: Information identified as VM/370 Basic System Extensions information is also part of the VM/370 System Extensions Program Product.

Contents

FIGURES

REORGANIZATION

Changed: Documentation only

This VM/370 System Messages publication now
contains integrated information (including
all previous updates) for VM/370 System
Control Program, Program No. 5749-010, VM/370
Basic System Extensions Program Product,
Program No. 5748-XX8, and VM/370 System
Extensions Program Product, Program No.
5748-XE1.

Note: There will be no supplements issued for
VM/370 Basic System Extensions Program
Product or VM/370 System Extensions Program
Product against this base publication.

MISCELLANEOUS

Changed: Documentation only

Several minor literary and editorial changes
have been made.

3850 MASS STORAGE SYSTEM EXTENDED SUPPORT

New: Program and Documentation

VM/370 supports user minidisks on Mass
Storage System (MSS) 3330V volumes, where the
minidisk appears to the virtual machine to be
defined on a permanently mounted IBM 3330-1
drive.

MSS volumes may also be dedicated and
attached to a virtual machine as a 3330V or
3330-1 device.

In addition, the 3850 MSS now allows system
control of very large data capacities (from
35 billion bytes to 422 billion bytes).

3800 PRINTING SUBSYSTEM SUPPORT

New: Program and Documentation

VM/370 supports the 3800 printing subsystem
as a high speed printing device that uses
electrophotographic and laser technology to
achieve printing speeds up to 20,040 lines of
copy per minute.

VM/370 allows virtual machines to attach the
3800 printer (with full capabilities) as a
dedicated device.

VM/370 also supports the 3800 Printing
Subsystem as a real VM/370 spooling device.
Virtual machines can print spool files on the
3800 printer.

EXTENDED MONITOR SUPPORT

New and Changed: Program and Documentation

The VM/370 measurement facility (monitor)
extends the data collection and recording
capabilities of the monitor by gathering
additional information, by allowing the
system programmer to choose the devices for
collecting information, and by allowing the
system programmer to specify when the monitor
should close monitor spool files.

SHARED SEGMENT PROTECTION

Changed: Program and Documentation

In Release 6, when a user modifies a shared
segment (except when using ADSTOP, TRACE, or
STORE), VM/370 places the user in console
function mode. It then returns the modified
page(s) to free storage. The next reference
to the page(s) causes a fresh copy to be
paged from storage.

UNPROTECTED SHARED SEGMENTS

Changed: Program and Documentation

VM/370 provides the option of running without
protection against changes to shared
segments. If a shared segment is specified
as unprotected, any changes made by a user of
that shared segment is seen by all other
users of that shared segment.

LOGON/AUTOLOG/LINK JOURNALING

New: Program and Documentation

VM/370 supports a new JOURNAL operand. When
this option is specified passwords cannot be
entered on the same line as the LOGON/AUTOLOG
or LINK commands.

In addition, all unsuccessful attempts to use
an invalid password are recorded and when the
threshold has been reached, the system
administrator is notified of these attempts.

REMOTE SPOOLING COMMUNICATIONS SUBSYTEM NETWORKING PROGRAM PRODUCT

New: Program and Documentation

The Remote Spooling Communicaitons (RSCS)
Networking program product provides Remote
Job Entry into a VM/370 system and allows a
VM/370 system to use the Network Job
Interface/Network Job Entry (NJI/NJE)
protocol.

VARY PROCESSOR ONLINE/OFFLINE SUPPORT

New and Changed: Program Support

VM/370 attached processor (AP) provides
support to enhance the reliability,
availability, and serviceability of the 158
and 168 attached processors, and the 158 and
168 asymmetric MP systems.

This support allows the attached processor to
be taken offline, make needed repairs, and
then bring it back online without affecting
the main processor.

3340/3344 ALTERNATE TRACK SUPPORT

Changed: Program Support

Software error recovery procedures now
provide for switching to an alternate track
when an attempt to do I/O on a defective 3340
or 3344 track results in a track condition.
Logic affecting CP I/O, Diagnose I/O, and SIO
issued from a virtual machine is changed.
Messages reflecting these changes are
included in this publication.

MISCELLANEOUS

New and Changed: Program and Documentation

Several new and changed abend codes have been
added due to Release 5 maintenance. They
are:

APIO01	PTR108
CPV001	PTR019
PGS001	PTR020
PSA003	UDR002
PSA004	VMA008

This section describes:

- The format messages VM/370 generates.
- Syntax conventions used in this publication.
- CP problem determination procedures.

VM/370 Message Format

VM/370 generates messages from the Control Program (CP), the Conversational Monitor System (CMS), the Remote Spooling Communications Subsystem (RSCS), and the Interactive Problem Control System (IPCS).

Messages consist of a message identifier and message text. The identifier (for example, DMKCQG020E) uniquely identifies the message. The text is a short phrase or sentence describing a condition that has occurred or requesting a response from the user.

The message identifier consists of four fields: a component code, a module code, a message number, and a type code. The format of the message identifier is:

    xxxmmmnnns

where:

xxx is the component code. Messages are prefixed as follows:

- CP messages -- DMK
- CMS messages -- DMS
- RSCS messages -- DMT
- IPCS messages -- IPCS

mmm is the module code, three letters that indicate which module generated the message. This field is usually an abbreviation of the name of the module in which the error occurred.

nnn is the message number, three digits that are associated with the condition that caused the message to be generated.

s is the type code, a letter that indicates what kind of condition caused the message. The definition of the type codes depends on the nature of the routine producing the message, as shown in Figure 1.

Routine	Code	Meaning
CP Commands	A	Immediate physical action
	I	Information
	W	Warning or System Wait
	E	Error
CMS Commands	R	Response
	I	Information
	W	Warning
	E	Error
	S	Severe error
	T	Terminal (unrecoverable) error
RSCS Commands	R	Response
	I	Information
	E	Error
	S	Severe error
	T	Terminal (unrecoverable) error
IPCS Commands	R	Response
	I	Information
	E	Error
	S	Severe Error
Service Routines	A	Immediate physical action
	D	Immediate decision
	E	Eventual action
	I	Information
	W	System wait

Figure 1. Types and Meanings of Severity Codes

UNNUMBERED RESPONSES

All normal, unnumbered responses indicating the successful completion of a command (such as ready message, R;) are included in the VM/370 CMS Command and Macro Reference, the VM/370 CP Command Reference for General Users, and the VM/370 Operator's Guide.

MNOTES

Unnumbered responses can also be the result of executing system generation macro instruction or service programs. These responses, referred to as MNOTES, are documented in logic listings only.

Displaying Messages At the Terminal

When you log on to VM/370 at your terminal, the default setting for the display of messages is TEXT. This means that only the text portion of the message appears when the message is displayed. The message identifier is not be displayed.

Since this book is organized by message numbers within component codes, it will be difficult for you to find the explanations of messages if you search through the book for the message text. Therefore, you should issue the CP command SET EMSG ON after you log on. This command causes the message identifier to be displayed along with the text.

Note: If you do not use the SET EMSG ON command, refer to "Appendix D: Message Text-to-Message Identifier Cross Reference" for the first line of the message.

SPECIAL MESSAGE FACILITY

The Special Message Facility is a method of transferring special messages from a user to a specially programmed receiving virtual machine. The CP SET SMSG ON command is issued to allow a virtual machine to receive special messages.

Syntax Conventions

The syntax used in the messages and commands in this publication is as follows:

1. Anything within quotes '...' and/or in lowercase letters is replaced at execution time with information in the format described within the quotes.

2. Anything within braces {...|...} indicates alternate text and/or information selected at execution time.

3. Anything within brackets [...] may be optionally left out, depending on the condition arising.

See Figure 2 for a list of abbreviations used in this publication.

Short Form	Meaning
'...'	Alphameric information
addr	Storage address
bbcchh	Bin, cylinder, and head
callee	Routine called by another executing routine
caller	Routine doing the calling
caw	Channel address word
cc	Cylinder number
char	Character
col	Column
csw	Channel status word
cuu	Virtual device address
cyl	Cylinder
dasd	Direct access storage device
device name	Mnemonic name for cuu
device type	IBM device type
fileid	fn ft [fm]
fm	filemode
fn	filename
ft	filetype
mode	Mode letter or mode letter and mode number
nn	Decimal information
nnnnnn	Block numbers
psw	Program status word
raddr	Real storage address
rc	Return code
rid	Resource information
rr	Record number
svc	Supervisor call number
ucs	Universal character set
vaddr	Virtual storage address
xx	Hexadecimal information

Figure 2. Syntax Abbreviations Used

CP Problem Determination

CP error messages are divided into several categories according to the number (nnn) of the message. See Figure 3 for a complete list of message numbers and related functions.

Numbers	Related Function
001-349	CP commands and console functions
350-399	Nucleus loading
400-424	Paging
425-449	Spooling
450-474	Dispatching and service routines
475-499	Directory routine
500-549	Input/output error recovery
550-599	Input/output error recording
600-649	Machine check recovery
650-699	Reserved for IBM use only
700-729	DDR (dump restore) service program
730-749	FMT (format) service program
750-799	DIR (directory) service program
800-849	Reserved for IBM use only
850-899	DMM (VMFDUMP) service routine
900-999	Checkpoint, warm start, dump initialization

Figure 3. CP Error Message Numbers

The general user (class G) and other users receive error messages in the range 001 to 349. Messages ranging from 350 to 699 are for the primary system operator only. Messages ranging from 700 to 999 cover CP service routines and are usually observed only by system support personnel.

GENERAL USER ACTION

If in the normal use of CP commands error messages in the range of 001 to 349 persist, the user should perform the following steps before contacting the IBM FE Program System Representative for programming assistance.

1. Keep the terminal sheet that identifies the problem.

2. Attempt to reproduce the problem, making sure that the full error message function is in effect by issuing the CP command:

   SET EMSG ON

3. Obtain the virtual machine's current configuration by issuing the CP command:

   QUERY VIRTUAL

4. Where appropriate, and depending upon conditions, obtain a virtual storage dump by issuing the CP command:

   DUMP 0-END

SYSTEM OPERATOR ACTION

System operators (classes A, B, C, and D) who observe problems with CP commands should do the following:

1. Keep the console output sheet identifying the problem.

2. Attempt to reproduce the problem with full error message by issuing the CP command:

   SET EMSG ON

3. Obtain the real machine's configuration status by issuing the CP command:

   QUERY ALL

4. Reissue the CP command that has been causing the errors. If the problem recurs, force a CP abend dump by pressing the RESTART key (not RESET). This technique automatically suppresses tracing while storage is being dumped. When the system restarts, use the VMFDUMP command to format and print the dump.

   Caution: This will cause a system restart and all users must log on again. The advantage of using this technique is that it provides you with a formatted dump.

   If it is too disruptive to log off all users, you can obtain a dump using the CP command DMCP, which allows all users to remain logged on. Such a dump goes directly to the printer and is not formatted.

   Note: You must weigh the advantages and disadvantages of both techniques.

5. If you use the DMCP command, first reissue the CP command causing the problem. Then enter "alter/display" mode and display the following:

   (a) D P - PSW
   (b) D G - General registers
   (c) D C - Control registers

Next, use the class A CP command MONITOR
STOP CPTRACE to turn off tracing.
Otherwise, the dump would show the dumping
activity in the trace table.

Then obtain the dump by issuing:

    DMCP 0-END

Last, turn tracing back on by issuing the
CP command MONITOR START CPTRACE.

Note: If you do not have privilege class A,
you can stop tracing by issuing the class C
command STCP to store X'0000' at location
X'400', and resume tracing by storing
X'FFFF' at location X'400'.

Return Codes

A return code of zero is passed to register 15 if no warning messages, error messages, severe error messages, or terminal error messages are generated during execution of a command. a command.

If however, during execution of a command, a condition arises that results in the display of a warning message, error message, severe error message, or terminal error message, the command passes a nonzero return code in register 15.

Commands that invoke program products pass a nonzero return code to the user. However, this return code has been redefined by the program product or compiler in operation.

Note: The following list does not contain all return codes. Other return codes are shown in the descriptive text of the issuing message.

Code	Meaning
-0001	No CP command with this name was found. (The CP error code of +1 is converted by CMS to -0001 for commands entered from the virtual console.)
-0002	An attempt was made to execute a CMS command while in CMS subset mode, which would have caused the module to be loaded in the user area (LOADMOD error code 32).
-0003	No CMS command issued from EXEC was found with this name, or an invalid function occurred when issuing the SET or QUERY command from EXEC with IMPCP active.
-0004	The LOADMOD failed (for example, there was an error in the module).
-0005	A LOADMOD was attempted in the wrong environment (for example, the module was generated by the GENMOD command with the OS option and LOADMOD was attempted with DOS=ON specified).
4	The user did not specify all the conditions to execute the command as intended. Execution of the command continues, but the result may or may not be as the user intended.

8   Device errors occurred for which a Warning message is issued, or errors were introduced into the output file.

12   Errors were found in the input file.

20   There is an invalid character in the fileid. Valid characters are: 0-9, A-Z, $, @, #, and a-z.

24   The user did not correctly specify the command line.

28   An error occurred while trying to access, or manipulate, a user's files; for example, file not found.

32   The user's file is not in the expected format, or the user's file does not contain the expected information or an attempt was made to execute a LOADMOD command while in CMS subset mode. This would cause the module to be loaded in the user area.

36   An error occurred in the user's devices. For example, a disk is in read-only status, and needs to be in write status in order to write out a file.

40   A functional error by the user occurred during execution of the command, or the user failed to supply all the necessary conditions for executing the command, or an end of file or end of tape was reached (where applicable).

41   Insufficient storage was available to execute the command.

88   A CMS system restriction prevented execution of the command, or the function requested is an unsupported feature, or the device requested is an unsupported device.

100   Input/output device errors.

104   A functional error for which the system is responsible occurred during execution of the command.

256   An unexpected error for which the system is responsible (Terminal Error) occurred during execution of the command.

RETURN CODES PRODUCED BY THE CP DIRECT COMMAND

Return codes produced by the CP DIRECT command are listed in Figure 4.

Code	Meaning
1	Invalid filename or file not found
2	Error loading the directory
3	Invalid option from CMS
4	Directory not swapped, user not class A, B, or C
5	Directory not swapped, system (old) directory locked
6	Directory not swapped, the directory in use by the system is not the directory updated
1xx	Error in the CMS RDBUF routine
2xx	Error in the CMS TYPLIN routine
xx is the CMS routine return code	

Figure 4. Return Codes Produced by the CP DIRECT Command

SAMPLE RETURN CODE FROM A CP COMMAND

An example of the CP LINK command invoked while in CMS mode is shown in Figure 5. Commands or functions of commands passed to CP, in turn, pass the return code (via CP) to register 15.

The user has entered the CP LINK command to userid *. The user's own directory will be searched for device vaddr1. Vaddr2 is the virtual address assigned to the device for this virtual machine. Read-only access is requested. No password is required because the user has linked to one of his own disks.

The result will be one of the following:

R;   a successful execution.

R(nnnnn); indicating an error.

If nnnnn contains a CMS return code, the error occurred in CMS. However, if nnnn contains a CP message identifier, the error occurred in CP.

```
ipl cms
CMS VERSION n.n mm/dd/yy
───────────────────────────
───────────────────────────
cp link to * vaddr1 as vaddr2 r
```

Figure 5. Example of a CP LINK Command

Return codes can be used by system programmers in the DEBUG subcommand and also in EXEC procedures. See the VM/370 CMS Command and Macro Reference for a description of the &RETCODE special variable.

RETURN CODES PRODUCED BY THE CMS DDR COMMAND

The CMS DDR command produces several return codes. These return codes, along with their meanings are listed in Figure 6.

Code	Meaning
1	Invalid filename or file not found
2	Error running the program
3	Flagged DASD track
4	Permanent tape or DASD I/O error
1xx	Error in PRINTIO routine
2xx	Error in CONREAD routine
3xx	Error in RDBUF routine
4xx	Error in TYPLIN routine
xx is the CMS routine return code	

Figure 6. Return Codes Produced by the CMS DDR Command

RETURN CODES PRODUCED BY IPCS

There are two return codes produced by IPCS. These return codes are as follows:

Code	Meaning
4	An incorrectly entered parameter.
8	System failure; a read/write error or an invalid internal parameter.

CP Wait State Codes

001 <u>Explanation</u>: The machine check handler has encountered an unrecoverable failure. Probable hardware error. Issued by module DMKMCH and DMKMCT.

<u>Note</u>: This wait state is also loaded if a malfunction alert occurred on the main processor.

<u>Operator Action</u>: Run the System Environment Record Edit and Print (SEREP) program before restarting the system. To restart, clear storage and IPL the VM/370 system, specifying CKPT start. If the problem persists, contact your system support personnel.

002 <u>Explanation</u>: The channel check handler has encountered an unrecoverable failure. Probable hardware error. Issued by module DMKCCH.

<u>Operator Action</u>: Run the System Environment Record Edit and Print (SEREP) program before restarting the system. To restart, clear storage and IPL the VM/370 system, specifying CKPT start. If the problem persists, contact your system support personnel.

003 <u>Explanation</u>: A system failure occurred before a valid warm start was performed. Issued by module DMKDMP.

<u>Operator Action</u>: Reload (via IPL) the system. If the error persists, clear storage before attempting another IPL. If the problem persists after the second IPL with cleared storage, a cold start is probably required. Save the dump produced on the prespecified dump device for your system support personnel. Refer to the message description for possible causes.

004 <u>Explanation</u>: A console or an output device is not operational, or a console or output device has produced an inexplicable error status. Probable hardware error. Issued by module DMKDMP.

<u>Operator Action</u>: Reload (via IPL) the system. To restart, clear storage and IPL the VM/370 system, specifying CKPT start. If the problem persists, contact your system support personnel.

005 <u>Explanation</u>: The CP initialization module (DMKCPI) could not find an operational primary or alternate console. Probable hardware error. Issued by module DMKCPI.

<u>Operator Action</u>: Reload (via IPL) the system. If the problem persists, contact your system support personnel.

006 <u>Explanation</u>: This is a normal wait when a system shutdown is completed. Issued by module DMKCPI.

<u>Operator Action</u>: Follow normal operating procedures.

007 <u>Explanation</u>: A program check, a machine check, a permanent I/O error, invalid warm start data, an invalid warm start cylinder, or a full warm start cylinder was encountered by the checkpoint program. Issued by module DMKCKP.

<u>Operator Action</u>: For message DMKCKP901W, run SEREP to document the machine check, then contact your system support personnel. For message DMKCKP902W, an indication of an unrecoverable I/O error, move the SYSRES volume if possible and try to checkpoint the system. For message DMKCKP910W, if more than one SYSRES volume is mounted, check to see that the correct volume is loaded (via IPL) and try a checkpoint operation. If the operation fails again use the following procedure. This procedure is to be used for all other DMKCKP messages as well.

1. Dump the first 3000 hexadecimal storage locations.

2. Dump the warm start cylinders.

3. Contact program support personnel.

4. To restart, clear storage and IPL the VM/370 system, specifying CKPT start.

The following storage locations contain information related to wait state 007.

Hexadecimal Location	Contents
10	Sense data up to 24 bytes
40	Channel status word (8 bytes)
48	Channel address word (4 bytes)
808	Pointer to error message (4 bytes)
816	Cylinder address of the first nucleus cylinder (2 bytes)
818	Cylinder address of the last nucleus cylinder (2 bytes)
81C	BBCCHHR of the DMKSAV module on disk (7 bytes)
824	Current seek address BBCCHHR (7 bytes)
800-17FF	Checkpoint program (DMKCKP)
1800-3000	Checkpoint work area and 4096-byte buffer

820   Device class of SYSRES device (RDEVTYPC)

828   BBCCHHR of the DMKSAV module on disk--7 bytes (count-key-data) or locate block number (FB-512)

848   Current seek address BBCCHHR 7 bytes (count-key-data) or locate block number (FB-512)

If the SYSRES device is FB-512 (RDEVTYPC=CLASFBA), the contents of the following hexadecimal locations are changed:

816   Page address of the first page of the CP nucleus (4 bytes)

822   Page address of the last page of the CP nucleus (4 bytes)

- - - - - - - - - - - - - - - - - - -

An error message preceding the wait state may or may not be displayed, depending upon the status of the console. If the error message is not displayed, hexadecimal location 808 contains the address of the error message (60 bytes in length).

008 **Explanation:** Checkpoint and system shutdown are complete or system recovery has failed. Issued by module DMKCKP.

Operator Action: If messages preceded the wait, follow normal operating procedures prescribed by your installation after shutdown. If messages did not precede the wait, either:

1. The console printer was unavailable for some reason. Before initializing a new system, make sure the console printer has been made operational, or

2. The system is running from the alternate console. Messages DMKCKP910I, DMKCKP911W, DMKCKP960I, and DMKCKP961W do not appear on the alternate console. Follow normal operating procedures prescribed by your installation after shutdown.

009 **Explanation:** An error condition occurred which prevents a warm start. Issued by module DMKWRM.

Operator Action: If the message is DMKWRM904W or DMKWRM921W, immediately retry warm start system initialization. If the error message recurs, move the VM/370 SYSRES pack to another location and try a warm start again. If message DMKWRM903W or DMKWRM912W is encountered, ensure that all system volumes (no duplicate labels) are correctly mounted, and then attempt a warm start.

If warm start errors persist, force a system dump to the printer by pressing the system console RESTART key, and save the results for the installation support personnel.

If the message is DMKWRM920W, restart the system using CKPT start. Otherwise, use a FORCE or COLD start.

00A **Explanation:** A machine check occurred while DMKSAV was attempting to save or restore a page image copy of the nucleus on a SYSRES device. Probable hardware error. Issued by module DMKSAV.

Operator Action: Run the System Environment Record Edit and Print (SEREP) program before reloading. If the problem persists, contact your system support personnel.

00B **Explanation:** A machine check error occurred during system initialization. Probable hardware error. Issued by module DMKCPI.

Operator Action: Run the System Environment Record Edit and Print (SEREP) program before performing another IPL. If the problem persists, contact your system support personnel.

00C **Explanation:** An IPL was performed on a VM/370 volume that had never had a nucleus written on it.

Operator Action: Follow normal operating procedure.

00D **Explanation:** The generated system is larger than the real machine size, or else a hardware malfunction has occurred which inhibits VM/370 from using the necessary storage. Issued by module DMKCPI.

Operator Action: Take a standalone dump and notify the system programmer.

00E **Explanation:** An error condition prevents a CKPT start. Issued by module DMKCKS.

Operator Action: If message DMKCKS915E is issued, try CKPT start again. If the error persists, move the VM/370 SYSRES pack to another DASD device and try again. If message DMKCKS916E is issued, reload (via IPL) the system, using the FORCE option of the START command. If message DMKCKS903E or DMKCKS912E is issued, ensure that all system volumes (no duplicate labels) are correctly mounted, and then attempt a CKPT start. If message DMKCKS917E is issued, reload (via IPL) the system via a COLD start.

00F **Explanation:** Hardware errors are being received on VM/370 paging device(s). Issued by module DMKPAG.

Operator Action: This wait state is preceded by message

DMKPAG415E CONTINUOUS PAGING ERRORS FROM
DASD xxx

If there are multiple paging devices on the
system, disable the device causing the error
condition and reload (via IPL) the system.
Or, move the paging volume pack to another
physical device. This error condition
results if the VM/370 paging volume has not
been formatted correctly.

010 Explanation: A recoverable error occurred
during a system nucleus save operation.
Issued by module DMKSAV.

Operator Action: This wait state is preceded
by either the message DMKSAV350W or
DMKSAV351W. Correct the problem stated in
the message and present an external
interrupt to initiate a retry.

011 Explanation: An unrecoverable I/O error
occurred. Issued by module DMKSAV.

Operator Action: This wait state is preceded
by message DMKSAV352W or DMKSAV353W. Correct
the problem stated in the message and load
(IPL) the tape again.

012 Explanation: This is a normal wait state on
completion of a nucleus load. Issued by
module DMKSAV.

Operator Action: Follow normal operating
procedure.

013 Explanation: The machine check handler
encountered an unrecoverable error on the
attached processor. Probable hardware
error. Issued by module DMKMCT.

Note: This wait state is also loaded if a
malfunction alert occurred on the attached
processor and CP was in control.

Operator Action: Run the System Environment
Record Edit and Print (SEREP) program before
restarting the system. If the problem
persists, contact your system support
personnel.

To restart, clear storage and IPL the VM/370
system, specifying CKPT start.

Note: VM/370 cannot checkpoint and warm
start after a machine check error on
System/370 Models 165 and 168. The
inability to warm start is caused by running
the 165 or 168 SEREP program.

015 Explanation: A SIGP issued to the attached
processor during system initialization by
DMKCPI or DMKAPI was unsuccessful. The
following information is made available:

- R0 = SIGP order code

- R1 = SIGP status information when the
SIGP condition code is 1

- R2 = Processor address that was signalled

Note: The wait state PSW will contain the
condition code returned from the SIGP. The
PSW is in the BC format. Refer to the IBM
System/370 Principles of Operation for a
functional description of the SIGP
instruction.

Operator Action: If hardware errors are
present, run the System Environment Record
Edit and Print (SEREP) program before
retrying. If the status information
indicates an operator intervention, clear
the condition on the attached processor and
reinitialize CP. If the status indicator of
the required microprogram is not loaded,
load the microprogram and reinitialize CP.
If the problem persists, contact your system
support personnel.

027 Explanation: An unrecoverable I/O error
occurred or system input is incorrect.
Issued by module DMKSSP.

Operator Action: Correct the input/output
error or the system input, and reload (via
IPL) the starter system.

Loader Wait State Codes

The loader (DMKLD00E) is a service program that
loads a CP, CMS, or RSCS nucleus, and produces a
load map. The loader loads the object modules
(TEXT files) supplied with it, resolves CCW
addresses, and resolves address constants.

If the loader is terminated, one of the
following wait conditions is indicated in the
instruction counter:

Code	Meaning
X'111111'	A program check occurred.
X'222222'	A unit check occurred while the bootstrap routine was reading in the loader.
X'999999'	An SVC was issued.
X'BBBBBB'	A machine check occurred.
X'CCCCCC'	An I/O error occurred on the card reader.
X'FFFFFF'	An I/O error occurred for the console (X'00' contains the message UNRECOVERABLE ERROR), or the control card for changing the default I/O addresses for the printer or terminal is invalid (X'00' contains the message BAD DEVICE CARD or INVALID DEVICE SPECIFIED).

If the instruction counter contains X'999999', indicating an SVC wait state, examine the interruption code (the third and fourth bytes of the supervisor old PSW). The interruption codes (shown in hexadecimal below) indicate the error condition.

64   **Explanation**: An error occurred during conversion of a value from hexadecimal to binary format. This can be caused by invalid input in one of the loader statements, or by an error in the loader.

Operator Action: Validate the copy of the loader you are currently using against the copy on the original distribution tape. If the current copy is no longer valid, replace it. If the input in the statements is invalid, correct it. If the problem persists, contact your system support personnel.

65   **Explanation**: There is no more free storage available for the loader.

Operator Action: Define a larger storage size for the virtual machine and reexecute the loader.

66   **Explanation**: A duplicate type 1 ESD (External Symbol Dictionary) entry has been encountered. The loader cannot resolve this reference. This may be the result of a duplicate text deck in the input stream, or of having the same label in two different text decks in the same input stream.

Operator Action: Close the printer to get the load map printed. Look at the load map to see which text deck and which entry are causing the problem. If you can correct the problem, do so; otherwise, contact your system support personnel.

67   **Explanation**: The "name" in the LDT (Loader Terminate) statement is undefined.

Operator Action: Verify that the name in the LDT statement is correct; if it is, make sure that it is defined as an entry point in the program to be loaded.

68   **Explanation**: The control section named in the ICS (Include Control Section) statement was not found by end of file.

Operator Action: Verify that the control section name in the ICS statement is correct; if it is, make sure that the control section is defined in the program to be loaded.

69   **Explanation**: The loader attempted to add another entry to the reference table, which would have caused the table to overflow. Since the reference table supplied by VM/370 is large enough to allow the CP nucleus to be generated, it must be assumed that the inclusion of local additions to the CP nucleus have caused the excessive references to be generated.

Operator Action: Increase the size of the reference table by changing the MAXREF equate field in the source code for the loader program, reassembling it, and then reexecuting the loader. Once the size of the reference table has been increased, error code 6A may occur. In that case, define a larger storage size for the virtual machine. If the problem persists, contact your system support personnel.

6A   **Explanation**: The object modules being loaded are about to overlay the loader.

Operator Action: Define a larger storage size for the virtual machine. To see which module was about to overlay the loader, close the printer to get the load map printed. The last line of the load map indicates the last module that was loaded.

6B   **Explanation**: The object modules being loaded are about to overlay an address between 0 and 100 (hexadecimal). This can occur if the address at which loading was to start was changed by an SLC card.

Operator Action: Check the SLC card to make sure it does not specify an address between 0 and 100. If you must place data at an address in that range, do not do it with the loader, but use a program to place the data there with a Move Character instruction after the loaded system has started execution. It is the responsibility of the loaded program to initialize that part of storage.

6D   **Explanation**: The loader is trying to release storage that is not on a doubleword boundary. This is an internal loader error.

Operator Action: Reexecute the copy of the loader that is in your reader. If the problem persists, regenerate the system to be loaded and try to execute it again. If the problem still persists, the current copy of the loader itself may be damaged; replace it with the loader on the distribution tape. If the problem still persists, contact your system support personnel.

RSCS Wait State Codes

When RSCS enters a wait state, the RSCS operator is notified via the CP message:

DMKDSP450W CP ENTERED; DISABLED WAIT PSW

issued to the RSCS operator's console. Using CP commands, the operator can display the virtual machine's PSW. The three rightmost hexadecimal characters indicate the error condition.

001 Explanation: If no RSCS message was issued, a program check interrupt has occurred during the execution of the program check handler. The probable cause is a programming error. If the RSCS message

DMTREX091T INITIALIZATION FAILURE -- RSCS SHUTDOWN

was issued, RSCS operation has been terminated because of an error in the loading of DMTAXS or DMTLAX. A dump of virtual storage is automatically taken. Verify that the CMS files DMTAXS TEXT and DMTLAX TEXT are correctly written and resident on the RSCS system residence device. If the RSCS message

DMTREX090T PROGRAM CHECK IN SUPERVISOR -- RSCS SHUTDOWN

was issued, the program check handler has terminated RSCS due to a program check interrupt in other than a dispatched line driver. The probable cause is a programming error.

The wait state code is loaded by DMTREX at RSCS termination or automatically during program check handling.

Operator Action: If neither of the above two messages was issued, use the CP DUMP command to dump the contents of virtual storage. IPL to restart. If the problem persists, notify your system support personnel.

007 Explanation: A program check interrupt has occurred during initial processing, before the program check handler could be activated. This may be caused by a programming error or by an attempt to load RSCS into an incompatible virtual machine. The latter case can occur if the virtual machine (1) has an incomplete instruction set, (2) has less than 512K of virtual storage, or (3) does not have the required VM/370 Diagnose interface support. The wait state code is loaded automatically during the initial loading and execution of the RSCS supervisor, DMTINI, DMTREX, DMTAXS, and DMTLAX.

Operator Action: Verify that the RSCS virtual machine configuration has been correctly specified and that the "retrieve subsequent file description" function of DIAGNOSE code X'14' is supported. Dump the contents of virtual storage via the CP DUMP command. If the problem persists, notify your system support personnel.

011 Explanation: An unrecoverable error has occurred during the reading of the RSCS nucleus from DASD storage. This may be caused by a hardware malfunction of the DASD device. It may be the result of (1) an incorrect virtual DASD device definition, (2) an attempt to use a system residence device unsupported by RSCS, (3) incorrect RSCS system generation procedures, or (4) the subsequent overwriting of the RSCS nucleus on the system residence device. The wait state code is loaded by DMTINI after an attempt, successful or not, to issue the message:

DMTINI402I IPL DEVICE READ I/O ERROR

Operator Action: Verify that the RSCS system residence device has been properly defined as a virtual DASD device and that the real DASD device is mounted and operable. If the problem persists, dump virtual storage via the CP DUMP command and notify your system support personnel. The RSCS system residence device may have to be restarted or the RSCS system may have to be regenerated.

CP Abend Codes

SYSTEM OPERATOR ACTION

When an abend occurs, the system operator must follow several steps to enable the error to be corrected.

1. Collect information about the error.

2. Collect information about the system status.

3. Recover from the abend so processing can continue.

Collecting Information

Unless the operator has issued the SET DUMP command and changed the default (which he should not do, generally), the system is set for SET DUMP AUTO CP. When an abend occurs, this causes the dump to be written on disk as a spool file. This spool file is automatically spooled to the virtual reader of the operator who was designated at system generation time to receive all dumps. This operator should then IPL CMS and issue the VMFDUMP command (see the VM/370 Operator's Guide). This formats the dump and prints it. This procedure should be followed for every abend.

For problem determination, the operator should save and submit:

1. The formatted dump.

2. The console sheet, as far back as the last IPL of the system.

3. The output of any Monitor program running at the time.

If an APAR (authorized program analysis report) is to be submitted, the documentation provided with it should include, in addition to the above, a load map showing applied updates and resolved locations. You can obtain as many copies of the load map as you need if, at system generation time, you respond "RDR" to the prompting message:

This sends to your virtual reader a copy of the load map, which can be read in as a CMS file named, for example, LOAD MAP.

When it is desirable to take a dump to tape and send the dump to another location (for example, when submitting an APAR by mail), use the following procedure:

1. Allow the dump to be written to a spool file by issuing

       SET DUMP CP

2. Format this spool file and write it onto a CMS disk by issuing

       VMFDUMP NOPRT

3. Write this disk file on tape by issuing the CMS command

       TAPE DUMP

   You can then send this tape to another location, where the file can be recreated on disk using the TAPE LOAD command.

Recovering from the Abend

The system usually reloads (via IPL) itself. If it does not, attempt to warm start. You may get errors from which you can recover; if so, correct the cause of the error and try again to warm start. If unrecoverable errors occur, clear storage and try to checkpoint (CKPT) start. If this fails, try to force start. If this also fails, as a last resort you must cold start the system.

SYSTEM PROGRAMMER ACTION

Figure 3 describes the reasons for each of the CP abend codes and discusses what the system programmer should do to locate and correct the error that caused the abend.

Abend Code	Reason for Abend	Action
API001	The global system lock or the system operator's VMBLOK lock could not be obtained by the main processor during IPL.	Check DMKLOKSY. If the attached processor owns the system lock, check R12 value in DMKLOKSY+4 to determine who obtained the lock. If the global system lock is held by the main processor, check the system operator's VMBLOK to see if the VMBLOK is locked by the attached processor. If so, VMLOCKER contains the base address of the obtainer at the lock and can be used to determine why the lock was obtained.
ATS001	DMKATS was called to make a shared named system unshared. However, the SHRTABLE associated with the shared page that was changed could not be located.	The SHRTABLE may have been over-laid or the shared page that was changed was altered by another virtual machine. If the SHRTABLE was not overlaid, find out which virtual machine altered the shared page and why it was not detected.
ATS002	A shared page was changed and the corres-ponding VMABLOK could not be found.	A shared page was altered by another virtual machine without being detected. Investigate the system routines that could allow an undetected alteration of a shared page.
ATS003	During the unshare of a user from a shared named system, DMKSNTBL was brought back in to reconstruct the SWPTABLE of the violator. The named system could not be found in DMKSNTBL.	The SHRTABLE, SAVEWRK2 and SAVEWRK3 area of DMKATSs savearea (R13 contains address of save-area) or DMKSNTBL (R4 contains its address) have been altered. Investigate the routine that would allow alteration.
ATS004	During the unshare of a user from a shared named system, the sys-tem volume containing the named system could not be found.	The system name table entry (R4 contains its address), the SYSOWN list or the RDEVBLOKs have been altered. Investigate the routine that would allow alteration.
ATS005	During the unshare of a user from a shared named system, a shared CORTABLE entry (R7 contains its address) was found with the I/O lock bit on.	The CORTABLE, SHRTABLE, PAGTABLE, or ACORETBL have been altered. Investigate the routine that would allow alteration.
ATS006	The resident page count in the VMBLOK (VMPAGES) does not match the num-ber of CORTABLE entries.	Inspect modules that update VMPAGES for the virtual machine. Check the routine to determine why it is inconsistent with the number of CORTABLE entries assigned to this virtual machine.
ATS007	The flushlist counter is reduced to a negative value while returning a page to FREE storage.	Check the CORTABLE entry (R7). Try to determine why the flushlist count does not match the number of flushlist entries.

Figure 7. CP Abend Codes (Part 1 of 20)

Abend Code	Reason for Abend	Action
BLD001	R8 should contain a pointer to the RDEVBLOK for the user's terminal. DMKBLDVM attempts to create and partially initialize a VMBLOK for a user. DMKBLDVM abnormally terminates if R8 does not contain a pointer to the user.	Verify that R8 points to an RDEVBLOK for a terminal. If it does not, there is probably an error in the calling program. Identify the calling program by means of the return address and the base register in the save area pointed to by R13. Then, attempt to identify the source of the incorrect RDEVBLOK address.
BLD002	Pages are being released but the page invalid bit is not on in the page table entry.	Examine the dump and determine why the page was released without the page invalid bit turned on.
BLD003	A request was made to build a page table for more than 16 pages.	R13 points to a save area. SAVER12 contains the base address of the module issuing the request. SAVER1 contains the beginning and ending address range of the page table being built. Examine the calling module to determine why R1 is invalid.
BLD004	The routine calling BLD has not cleared all the segment table activity before calling BLD.	Examine R6 to ensure that it contains the address of a segment table entry. If it contains the address of a segment table entry, R13 contains the address of the module calling BLD. Examine this module to determine why this segment table entry has not been cleared.
BLD005	An attempt is being made to release a segment whose page table has been migrated.	Examine R6 to ensure that it contains the address of a segment table entry. If it contains the address of a segment table entry, R13 contains the address of a save area. SAVER12 contains the base address of the module calling BLD. Examine this module to determine why the page table was migrated or why the migration bit was not reset.
CFG010	DMKCFGCL was called to perform an unsupported function. Supported values are: X'01' LOAD SYS X'02' FIND SYS X'04' PURGE SYS	Identify the caller by the return address and base register in the SAVEAREA pointed to by R13 to identify the source of the unsupported function request.
CFP001	An I/O task is waiting for a RELEASE and the CPEXBLOK for the waiting task cannot be found on the VRRCPEX queue.	Check the storage dump Y. Determine why the virtual device block is marked as waiting for access to the device, but not CPEXBLOK exists on the VRRCPEX. Queue to resume the task.
CKS001	The map for dynamic checkpoint was not allocated prior to a call to DMKCKSPL.	The map should be allocated via a call to entry points DMKCKSIN or DMKCKSWM from DMKWRM. Check DMKWRM for called entry points and that they do allocate a map.

Figure 7. CP Abend Codes (Part 2 of 20)

Abend Code	Reason for Abend	Action
CKS002	The spool file identification in the map and in the checkpoint area do not match.	(1) DMKCKSWM or DMKCKSIN did not set up the map properly, (2) a call to DMKCKSPL caused the mismatch, or (3) the SFBLOK was released but the map was not updated.
CKS003	leted cannot be found No function was specified in the call to DMKCKSPL.	have been queued previously on Check SAVERTN in the save area pointed to by R13. This indicates which routine called DMKCKSPL with insufficient data.
CKS004	A spool file to be de- on the system printer, punch, or reader file chains.	The SFBLOK for the file should by DMKCKSWM when performing a CKPT start. Check for an error in this logic.
CLK003	The system TOD clock is not operational on the main processor or attached processor. The wait state can only be received when it is configured with an attached processor.	Examine the CPABEND code in each processor's PSA to determine the unit receiving the clock error. Call IBM for hardware support to fix the clock.
CPI001	The RDEVBLOK for the DASD on which the SYSRES volume is mounted cannot be located, or the IPL volume is not the SYSRES volume. The SYSRES volume is specified in the SYSRES macro in the DMKSYS module.	Verify that the volume serial number on the SYSRES volume from which the IPL was attempted, is the same as that specified in the field DMKSYSVL. If the volume serial number is not the same, it may have been altered by the CLIP utility. Or the image of the same nucleus saved on the SYSRES may have been partially destroyed and the SYSRES specification altered. Restore nucleus to the SYSRES volume from a backup copy and try to IPL.
CPI002	A valid system directory file could not be located.	Display the volume labels for all owned volumes. If the volumes do not contain an active directory pointer, run DMKDIR (the stand-alone directory program) to re-create the system directory on an owned volume. If an active directory pointer is present in at least one volume label, verify that the device is online and ready before trying to IPL the system. Verify that a valid allocation record is present on the volume containing the directory.
CPI003	The system TOD clock is not operational.	Call IBM for hardware support to fix the clock.
CPU001	The user page count in the VMBLOK was incorrectly decreased so that the count is now less than zero.	Examine the storage dump. The VMBLOK has probably been overlaid.

Figure 7. CP Abend Codes (Part 3 of 20)

Abend Code	Reason for Abend	Action
CPU002	During the VARY processor offline function, DMKSNTBL was brought back in to reconstruct the attached processor's SWPTABLE for shared pages. The named system could not be found in DMKSNTBL.	Examine the storage dump. The SHRTABLE or DMKSNTBL has probably been overlaid.
CPV001	The resident page count in the VMBLOK (VMPAGES) is reduced to a negative value.	Inspect modules that update VMPAGES for the virtual machine. Check the routine to determine why it is inconsistent with the number of CORTABLE entries assigned to this virtual machine.
CQP001	DMKSCNRA was called and unable to determine the device address in cuu format from real device block address in R6, R7, and R8.	Examine the storage dump. DMKSNRA returns an error if it cannot find the address of the real control unit block from the real device block. The control unit block address in register 7 is probably invalid.
CVT001	The system TOD clock is in error or is not operational.	Call IBM for hardware support to fix the clock.
DRD001	The device code index in the compressed DASD address for the system dump file points to an RDEVBLOK for an invalid DASD. The valid DASDs are 2305, 2314/2319, 3320, 3330, 3340, 3350, and 3370.	Verify that the contents and order of the owned list have not been altered since the dump was taken. If these fields have not been altered, the SFBLOK for the dump file may have been destroyed. The owned list is specified by the SYSOWN macro in DMKSYS.
DSP001	During I/O interruption, unstack, and reflection, DMKSCNVU could not locate all of the virtual control blocks for the interrupting unit.	The integrity of the user's virtual I/O configuration has probably been violated. The unit addresses or indexes in the virtual control blocks are in error, or the virtual configuration has been altered by ATTACH/DETACH while I/O was in progress. Check for a device reset failure in DMKCFPRD.
DSP002	The dispatcher (DMKDSP) is attempting to dispatch a virtual relocate user whose shadow segment tables or virtual extended control register 0 are invalid.	Most likely, a free storage violation has occurred. First look at the DMKPRV and DMKVAT modules. Examine the real, virtual, and shadow translation tables for consistency of entry size and format. Also compare page and segment size.
DSP003	The interval timer was not incremented properly. This is most likely a hardware error. The dispatcher tests for interval timer errors and abnormally terminates if such an	Check the timer fields in real storage. The value of the real interval timer is at real storage location X'50'. The dispatcher loads the value of the real interval timer in real storage location X'54' when a user is dispatched. The value of the real

Figure 7.   CP Abend Codes (Part 4 of 20)

Abend Code	Reason for Abend	Action
DSP003 (cont.)	error occurs. Results would be unpredictable if CP continued when the interval timer was in error.	interval timer is loaded into real storage location X'4C' when an interrupt occurs. If the value stored at X'4C' is not less than the value stored at X'54', the dispatcher abnormally terminates. Check the routines that control the value of the time fields at X'4C', X'50', and X'54'.
DSP004	While tracing SIOs or I/O interrupts, the virtual device was detached. Now, the VDEVBLOK cannot be found.	Examine the operator's console sheet and the user's terminal sheet to see who detached the device. Warn the person responsible that devices should not be detached during I/O tracing.
DSP005	During extend, a block is found to be unstacked, but the lock for the associated VMBLOK is not available, or count of priority CPEXBLOKs in a VMBLOK is less than 0, but no priority CPEXBLOK is found for the virtual machine, or during post-extend processing, either the expected processor-related priority CPEXBLOK is not found or the lock for the associated VMBLOK is not available.	R1 contains the VMBLOK address at the time of the abend. Check VMLOCK to see if the VMBLOK is locked by the other processor. If this is the case, VMLOCKER gives the base address of the obtainer of the lock and can be used to determine why the lock was not released. If the VMBLOK is not locked by the other processor, check VMPRRCT, (the count of priority CPEXBLOKs). If this is nonzero but there are no priority CPEXBLOKs on the dispatcher's stack, this field has probably been overlaid and other methods must be used to determine the cause of the overlay.
DSP006	DMKDSPRU, the run-user entry to the dispatcher was entered when the system was not is attached processor mode.	Use the trace table to help determine the caller of DMKDSPRU.
EXT001	A serial signal request has been received and the global system lock is not held.	In the PSA of the abending processor, the work/save area SIGSAVE contains the return address of the caller of DMKEXTSP, this address is at offset X'8' into SIGSAVE. At offset 0 into SIGSAVE is the base address of the caller.
FRE001	The size of the block being returned (via R0) is less than or equal to 0.	Using FREER14 and FREER12 in the PSA, identify the CP module releasing the storage. Check for an error in calculating the size of the block or for a modification to the stored block size for variable-size blocks.
FRE002	The address of the free storage block being returned matches the address of a block already in the free storage chain.	Identify the program returning the storage by means of the return address and base registers (FREE14 and FREE12 in DMKFRE's save area in PSA). The most common cause of this type of failure

Figure 7. CP Abend Codes (Part 5 of 20)

Abend Code	Reason for Abend	Action
FRE002 (cont.)		is a module that returns a free storage block but fails to clear a pointer to the block that has been saved elsewhere. All modules that return blocks via a call to DMKFRET should first verify that the saved pointer is nonzero; after returning the block, any saved pointers should be set to zero.
FRE003	The address of the free storage block being returned overlaps the next lower block on the free storage chain.	A free storage pointer may have been destroyed. Also, the module releasing the lower (overlapped) block may have returned too much storage. Examine the lower block and determine its use and former owner, or identify the program returning the storage by means of the return address and base registers stored (FREER14 and FREER12 in DMKFRE's save area in PSA). The most common cause of this type of failure is a module that returns a free storage block but fails to clear a pointer to the block that has been saved elsewhere. All modules that return blocks via a call to DMKFRET should first verify that the saved pointer is nonzero; after returning the block, any saved pointers should be set to zero.
FRE004	The address of the free storage block being returned overlaps the next higher block on free storage chain.	A free storage pointer may have been destroyed. Also, the module releasing the higher (overlapped) block may have returned too much storage, or the module may be attempting to release storage at the wrong address.
FRE005	A module is attempting to release storage in the resident VM/370 nucleus.	A module is probably attempting to release location 0. Check for the module picking up a pointer to the free storage block without first testing the pointer for 0. Use FREER14 and FREER12 in the PSA to identify the module.
FRE006	A module is requesting a block of storage whose size (contained in R 0) is less than or equal to zero.	Using FREER14 and FREER12 in the PSA, identify the module. Check for an error in calculating the block size. Improper use of the halfword instructions ICM and STCM can cause truncation of high order bits that results in a calculation error.

Figure 7. CP Abend Codes (Part 6 of 20)

Abend Code	Reason for Abend	Action
FRE007	A module is attempting to release a block of storage whose address exceeds the size of real storage.	A free storage pointer may have been destroyed. Attempt to identify the owners of the free storage blocks adjacent to the one containing the pointer that was destroyed. Check for moves and translation where initial counts of zero have been decremented to minus 1, thus generating an executed length code of X'FF', or an effective length of 256 bytes.
FRE008	The address of the free storage block being returned matches the address of the first block in the subpool for that size.	Identify the program returning the storage by means of the return address and stored base registers (FREER14 and FREER12 in DMKFRE's save area in the PSA). The common cause of this type of failure is a module that returns
FRE009	The address of the free storage block being returned matches the second block in the subpool for that size.	a free storage block but fails to clear a pointer to the block that has been saved elsewhere. All modules that return blocks via a call to DMKFRET should first verify that the saved pointer is nonzero; after returning the block, any saved pointers should be set to zero.
FRE010	A program is attempting to extend free storage while storage is being extended. This can be caused by I/O interruptions or channel programs involving channels other than channel 0.	If the storage requests that caused the abend are due to channel activity, place the device involved on channel 0, which is disabled during free storage extension.
FRE011	A CP module has attempted to return a block of storage that is in the user dynamic paging area.	Identify the program returning the storage by means of the return address and stored base registers (FREER14 and FREER12 in DMKFREE's save area in the PSA). The common cause of this type of failure is a module that returns a free storage block but fails to clear a pointer to the block that has been saved elsewhere. All modules that return blocks via a call to DMKFRET should first verify that the saved pointer is nonzero; after returning the block, any saved pointers should be set to zero.
FRE012	An extend was entered while extending. The free storage extend buffer is unavailable.	The system workload requires more free storage than is available. Either: (1) Reassemble DMKSYS with a larger value for FREE in the SYSCOR statement and reinstall the CP nucleus, (2) Restrict the number of users on the system, or (3) Add more real storage.

Figure 7. CP Abend Codes (Part 7 of 20)

Abend Code	Reason for Abend	Action
FRE014	DMKFRE must defer satisfying a free storage request when it is necessary to call DMKPTRFR and the global supervisor lock cannot be obtained. The free storage extend buffer reserved for this purpose is not available.	Examine the internal trace table and storage dump to determine why the free storage extend buffer was not previously replenished.
FRE015	Attempt to recursively set CPFRESW in absolute PSA. DMKFRE is attempting to transfer processing from the main processor following a successful call to DMKPTRFR to extend free storage.	Examine the internal trace table and FREESAVE in each real PSA in the storage dump to identify the error during extend processing.
HVD001	The user pointed to by R11 issued a DIAGNOSE instruction while attempting to format the I/O error, channel check, or machine check recording areas; the SYSRES device type is unrecognizable.	The RDEVBLOK for the SYSRES device was probably destroyed, or a volume with the same serial number as the SYSRES volume was mounted. If a volume with the same serial number was mounted, check the ATTACH processing in the DMKVDB routine.
IOS001	The caller is trying to reset an active IOBLOK from the RCHBLOK queue, but that IOBLOK contains an invalid address.	The IOBLOK may have been returned (via DMKFRET) or destroyed. Verify that the IOBLOK was valid and use the IOBLOK and RDEVBLOK to determine the last operation.
IOS002	DMKIOS is attempting to restart an IOBLOK from the RCHBLOK queue, but that IOBLOK contains an invalid address.	
IOS003	DMKIOS is attempting to remove an IOBLOK from a queue, but that IOBLOK contains an invalid address.	Register 2 points to the RCHBLOK, RCUBLOK, or RDEVBLOK from whose queue the IOBLOK is being removed. Register 10 points to the IOBLOK. Use the CP internal trace table to determine which module called DMKIOS twice to start the same IOBLOK.
IOS004	DMKIOSHA was called to halt I/O associated with an IOBLOK pointed to by register 10. However, register 10 points to an IOBLOK that is marked as a mini-IOB. A mini-IOB is not allowed to exist outside the control of DMKIOS.	Examine the trace table in the storage dump and determine what routine built and called DMKIOSHA with IOBLOK marked as a mini-IOB That routine is in error.

Figure 7. CP Abend Codes (Part 8 of 20)

Abend Code	Reason for Abend	Action
IOS005	DMKIOS was called to perform I/O for a device using fixed path I/O. IOS is to bypass using any alternate path to the device. The real device block address that was passed in R8 is not the real device address in the IOBRADD field.	Examine the trace table and determine who called IOS requesting the fixed path I/O. Either an incorrect call was made to DMKIOS, R8 did not point to the correct real device block, or the IOB that is pointed to by R10 was overlaid.
IOS006	DMKIOS was called to perform I/O for a device where no available path was found. DMKIOS returns the IOB to the caller with an indication of condition code 3 and fatal I/O. The IOB that was pointed to by R10 is marked as a mini-IOB, and mini-IOBs are not allowed to exist outside DMKIOS.	Examine the trace table and storage dump to determine what routine built the IOB and marked it as a mini-IOB and then passed it to DMKIOS.
IOS007	In attempting to start an I/O request, IOS must remove all alternate path IOBs that exist on paths to the device except the one that is about to be started. In scanning the chain of these IOB's, two were not marked as mini-IOB, indicating two real requests for the same I/O.	Examine the trace table to determine the sequence of events that led to two IOBs being passed to IOS and then having both IOBs occur on the same request chain.
IOS008	During I/O restart (restarting the device, control unit, or channel that caused the interrupt), the "find-path" routine was called to find an available path to the device. However, the findpath routine found an available path different from the one that caused the I/O interrupt. In this situation, IOS chains the new control unit and/or channel	Examine the dump to determine what caused the current channel block (R6) and/or control unit block (R7) to be chained for a restart.

Figure 7. CP Abend Codes (Part 9 of 20)

Abend Code	Reason for Abend	Action
IOS008 (cont.)	block to the one that caused the interrupt and remembers to restart before exiting to the dispatcher. A new channel or control unit was already chained for a restart condition. If allowed to proceed, the blocks to which it was chained would be lost, queued I/O request would not be restarted.	
LOK001	An OBTAIN request has been made for a lock that is held by the requesting processor.	R1 contains the lockword address at the time of the abend. In the PSA of the abending processor, the savearea LOKSAVE contains the return address of the caller at offset X'38' and the entry point address into DMKLOK at offset X'3C'.
LOK003	A RELEASE has been issued for a lock that is not owned by the requesting processor. DMKLOK does not get control for a RELEASE request.	Use the supervisor old PSW in the PSA of the abending processor to identify the module where the error occurred. R1 contains either the lockword address (in the case of a global lock) or the address of the VMBLOK (in the case of a VMBLOK lock) at the time of the abend.
MCT001	Automatic Processor Recovery (DMKMCTPR) has received control on the main processor without the global system lock and the lock could not be obtained.	Check DMKLOKSY to determine if the system lockword has been overlaid. If the attached processor owns the lock, check the R12 value in DMKLOKSY+4 to determine who obtained the lock. The system should not be in automatic processor recovery if the attached processor was in supervisor state.
NLE001	During execution of a NETWORK DUMP command, or during an automatic dump of a 3704 or 3705, VM/370 detected that it had not allocated sufficient DASD spool space to contain the information from the 3704 or 3705. The MODEL operand of the RDEVICE macro describing the 3704 or 3705 was not specified correctly. VM/370 determines the storage size of a 3704 or 3705 by the model specified on the RDEVICE macro.	Correct the RDEVICE macro specifying the 3704 or 3705, reassemble the DMKRIO module, and regenerate the VM/370 CP nucleus with the corrected module.

Figure 7. CP Abend Codes (Part 10 of 20)

Abend Code	Reason for Abend	Action
PGS001	The resident page count in the VMBLOK (VMPAGES) is reduced to a negative value.	Inspect module that update VMPAGES for the virtual machine. Check the routine to determine why it is inconsistent with the number of CORTABLE entries assigned to this virtual machine.
PGT001	The number of cylinders in use stored in the allocation block (ALOCBLOK) is less than the maximum but the DMKPGT module was unable to find available cylinders.	Inspect the chains of paging and spooling allocation blocks anchored at RDEVPAGE and RDEVRECS on the RDEVBLOK for the device in question, and verify that a cylinder allocation block (RECBLOK) exists for each cylinder marked and allocated in the ALOCBLOK. If RECBLOKs for some cylinders are missing, it is possible that the bit map in the ALOCBLOK has been destroyed. If all cylinders are accounted for, the updating of the count field is in error.
	For FB-512 devices (DMKPGT is allocating on on an FB-512 device) the number of pages in use (ALOFUSED) is less than the maximum (ALOFMAX), but DMKPGT could not find a RECBLOK containing an available page.	Inspect the extents of TEMP space stored in the ALOFBLOK. The ALOFBLOK has a 24-byte extension for each extent of TEMP space pages on the volume. Anchored in this extension are the RECBLOKs that describe the availability of each page within this extent. Inspect each RECBLOK to see if all the pages in each RECBLOK are used. It is possible that the RECBLOK chain or the ALOFBLOK extension has been destroyed. If all pages are accounted for, the number of available pages in all RECBLOKs should add up to the number of available pages stored in the ALOFBLOK extension (ALOFNUMA). Also, the ALOFNUMA fields of all ALOFBLOK extensions should agree with the number of available pages described in the ALOFBLOK root (ALOFMAX-ALOFUSED). If these count fields do not agree, the updating logic in DMKPGT is in error.
PGT002	The count of pages in a page allocation block (RECBLOK) is less than the maximum but the DMKPGT module was unable to find available pages.	If the RECBLOK in question is in use for paging, then locate a SWPTABLE entry for each page represented by this RECBLOK. FB-512 RECBLOKs describe the range of page numbers in fields RECSTRT and RECEND. However, if the pages are in use for spooling, it is possible that the RECBLOK itself has been destroyed or that the updating of the use count is faulty.
PGT003	The DASD page slot being released is not marked allocated.	Identify the module attempting to release the page by means of the caller's return address and base register stored in BALR14 and BALR12 in the BALRSAVE save area

Figure 7. CP Abend Codes (Part 11 of 20)

Abend Code	Reason for Abend	Action
PGT003 (cont.)		in PSA. Locate the source (control block or SWPTABLE entry) of the DASD address being released to verify that they have not been destroyed. If the DASD page is in a spool file, it is possible that the file or the RECBLOK chain has been incorrectly checkpointed and warmstarted after a system shutdown or a system crash.
PGT004	The dummy RECBLOK indicating the spooling DASD pages on the cylinder that are to be released contains a page count greater than the number of pages allocated on the cylinder.	The spool file pointers may have been destroyed while the file was being processed, or the allocation chain may be in error. A cold start may be necessary. If feasible, use the DASD dump/ restore program to print the DASD areas containing the affected file, and try to locate the incorrect pointers.
PGT005	A module is trying to release a DASD page slot on a cylinder or FB-512 extent for which no page allocation block (RECBLOK) exists.	Use BALR14 and BALR12 in the BALRSAVE save area of the PSA to identify the module attempting to release the page. For count-key-data DASD, verify that the DASD cylinder address is valid for the device in question. If it is and the rest of the DASD address is valid, verify that the cylinder is in the dynamically allocatable area. For FB-512 DASD, verify that the page number is valid and in the dynamically allocated area. If these restrictions are met, the DASD page must have been used by more than one user.
PGT006	The last DASD page slot in a RECBLOK has been deallocated but the bit representing the cylinder in the cylinder allocation block (ALOCBLOK) is not currently set to one, indicating that the cylinder was not allocated. Note: Because allocation of pages on an FB-512 device does not use this bit map, this code is not applicable to FB-512 devices.	The ALOCBLOK has probably been destroyed, or the chain pointer in the RDEVBLOK is in error.
PGT007	A module is trying to release a page of virtual storage in use by the VM/370 control program that has not been marked allocated.	Use BALR14 and BALR12 in the BALRSAVE save area of the PSA to identify the module attempting to release the page. Locate the control block containing the virtual page address that is being re-

Figure 7. CP Abend Codes (Part 12 of 20)

Abend Code	Reason for Abend	Action
PGT007 (cont.)		leased. It is possible that the address has been destroyed, or a pointer to a virtual page has been retained after the page was destroyed.
PGT008	The system's virtual storage buffers have been exhausted because of an excessive number of open spool files.	Request users to close all spool files that are no longer active.
PRG001	Program check (operation) in the control program.	Examine the abend dump. In particular, examine the old PSW and identify the module that had the program check.
PRG002	Program check (privileged operation) in the control program.	
PRG003	Program check (execute) in the control program.	
PRG004	Program check (protection) in the control program.	
PRG005	Program check (addressing) in the control program.	
PRG006	Program check (specification) in the control program.	
PRG007	Program check (data) in the control program.	
PRG008	Program check (fixed-point overflow) in the control program.	
PRG009	Program check (fixed-point divide) in the control program.	
PRG010	Program check (decimal overflow) in the control program.	
PRG011	Program check (decimal divide) in the control program.	
PRG012	Program check (exponential overflow) in the control program.	
PRG013	Program check (exponential underflow) in the control program.	
PRG014	Program check (significance) in the control program.	

Figure 7. CP Abend Codes (Part 13 of 20)

Abend Code	Reason for Abend	Action
PRG015	Program check (floating-point divide in the control program.	
PRG016	Program check (segment) in the control program.	
PRG017	Program check (paging) in the control program.	
PRG018	Program check (translation) in the control program.	
PRG019	Program check (special operation) in the control program.	
PRG254	A translation specification exception has been received for a virtual machine that is not in extended control mode.	If the set of translation tables pointed to by RUNCR1 is correct, a hardware failure has occurred, possibly with dynamic address translation. Otherwise, call IBM for software support.
PRG255	A PER (program event recording) has been received for a virtual machine that is running with PER disabled in its virtual PSW.	Retry the program causing the error; if the problem persists, call IBM for software support.
PSA002	The "System Restart" console key was pressed. The operator normally takes this action when an unusual system condition occurs, such as a system loop or slow machine operation.	Examine the resulting abend dump for a dynamic picture of the system's status.
PSA003	An unrecoverable DASD error occurred on a paging device. Or paging device is offline.	Check the trace table for a Start I/O in the paging device with a condition code 3 to verify device is offline. If offline, vary paging device online. Or check the unit address at hex 'B9' in the PSA to find paging device in error. This is a hardware error.
PSA004	A CPU timer interrupt occurred either while the system was in a wait state or when an enable window was opened.	Check CPSTATUS in the PSA to determine whether the interrupt occurred while in a wait state or during an enable window. If the interrupt occurred while in a wait state (CPWAIT on in CPSTATUS), the timer value at the time of the interrupt is stored in the PSAs WAITEND. If the interrupt occurred during an enable window (CPEX on in CPSTATUS), the timer value is stored in the first two words of the PSAs TEMPSAVE. If the timer value is negative, it is probably a programming error. Try to

Figure 7.   CP Abend Codes (Part 14 of 20)

Abend Code	Reason for Abend	Action
PSA004 (cont.)		determine why the timer was set to a negative value. If the timer value is positive, obtain hardware support to determine why the interrupt occurred.
PTR002	A program is attempting to unlock a page frame whose address exceeds real storage size.	Use BALR14 and BALR12 in the BALRSAVE save area of the PSA to identify the module attempting to unlock the page frame. Check for the source of the invalid address.
PTR003	A program is attempting to unlock a real storage page frame that is in a V=R region whose CORTABLE entry is not flagged as locked.	
PTR004	The lock count in the CORTABLE entry for the page frame being unlocked has been decremented to a value that is less than 0.	Check the routines that update the lock count field and CORTABLE entry.
PTR007	DMKFRE requested a page for fixed free storage but DMKPTR determined that there were no pages left in the dynamic paging area.	Examine the dump for one of the following conditions: 1. Excessive amounts of free storage have been allocated by CP and not released via DMKFRET. Look for blocks of identical data and determine which modules built that data. 2. A block of storage greater than 4096 bytes was requested. Requests for large blocks of free storage require contiguous pages from DMKPTR and as a result have a higher probability of failure than requests for one page or less. If possible, change the application to reduce the size of storage requests. Otherwise, schedule the application when storage is less fragmented.
PTR008	A CORTABLE entry on the free list points to a valid PTE (page table entry), but the page is allocated.	Pages on the free list should not contain valid PTEs. Examine the dump to determine which module called DMKPTRFR. The module that called DMKPTRFR probably contains an error.
PTR010	The count of the number of resident reserved pages was incorrectly decremented so that the count is now less than zero.	The field DMKPTRRC contains the number of reserved pages. DMKPTRRC must always be less than DMKDSPNP. Check the routines that update these two count fields (DMKDSPNP and DMKPTRRC).

Figure 7. CP Abend Codes (Part 15 of 20)

Abend Code	Reason for Abend	Action
PTR011	A CORTABLE entry to be placed on the free list points to a valid PTE (page table entry), but the page is allocated. An abend occurs trying to honor a deferred request.	Pages to be put on the free list should not contain valid PTEs. Examine the dump to determine why the page was not marked invalid before the call to DMKPTRFT.
PTR012	A CORTABLE entry to be placed on the free list points to a valid PTE (page table entry), but the page is allocated.	Pages on the FREELIST should not contain valid PTEs. Examine the dump to determine which module called DMKPTRFT, it probably contains an error.
PTR014	DMKPRTFT was called to put a page on the FREELIST that is already on the FREELIST.	A page that is already on the FREELIST should not be specified in a call to DMKPTRFT. Check the FREELIST and flush list for validity. Restart the system and, if the problem persists, call IBM for software support.
PTR015	The core table entry for a flush list page does not contain a page table pointer.	Examine the storage dump to determine either how the page was placed on the flush list without a PTE pointer or what module subsequently modified the core table entry.
PTR016	DMKPTR is about to steal a changed shared page and calls DMKVMASH to scan for all shared pages changed by LAST-USER. DMKVMA is unable to locate any changed shared pages.	Examine the storage dump to identify the error in shared segment processing.
PTR017	DMKPTRAN has identified a call with processor affinity set on the attached processor for a equal to zero. DMKPTRAN may only be called with affinity set on the main processor.	Examine the savearea pointed to by R13 to determine why PTR was called with affinity set to the attached processor for a page with SWPDPAGE equal to zero.
PTR018	The resident page count in the VMBLOK (VMPAGES) is reduced to a negative value.	Inspect modules that update VMPAGES for the virtual machine. Examine the routine to determine why it is inconsistent with the number of CORTABLE entries assigned to this virtual machine.
PTR019	The flused count page in the VMBLOK (VMFLPAG) is negative.	Examine the CORTABLE entry for the page frame being removed from the flush list. Also, inspect modules that update VMFLPAG.
PTR020	The system flushed page count (DMKPTRUC) is negative.	Examine the CORTABLE entry for the page frame being removed from the flush list. Also, inspect modules that update DMKPTRUC.

Figure 7. CP Abend Codes (Part 16 of 20)

Abend Code	Reason for Abend	Action
RGA001	The reflected device status in the CSW is not supported for certain 3270 remote device and line protocol I/O operations. Specifically, the returned CSW contains a device status other than CE, DE, and UE; and the ending CCW contains an embedded teleprocessing code of 02, 03, or 06.	IPL to restart the system. If the problem persists, call IBM for system support.
RGA002	The status flag BSCFLAG in the BSCBLOK indicates a condition that is not valid for a 3270 line reset function (Teleprocessing code 09).	
RNH001	An unrecoverable I/O error occurred during read or write for the 3704/3705. Status indicates program failure.	Retry. If the problem persists, ensure that the 3704/3705 and channel hardware are functioning correctly.
RNH002	A response that should not occur was received from the 3704/3705 control program.	Verify that the 3704/3705 NCP is operating correctly. Use the NETWORK TRACE command to determine the exact cause of the response.
RPA001	The virtual address supplied to DMKRPAGT is outside of the virtual storage being referenced.	The virtual storage belongs either to the user whose VMBLOK is pointed to by R11 or, if R2 in the SAVEAREA indicates a PARM of SYSTEM, to the system VMBLOK. Identify the calling program by means of the return address and base register saved in the SAVEAREA pointed to by R13. If the virtual address was obtained from the system's virtual storage, examine the virtual page allocation routine, DMKPTRVG. If the virtual page refers to a user's storage, attempt to identify the routine that generated the incorrect address. Verify that the VMSIZE in the relevant VMBLOK reflects the correct storage size for the system or user being referenced.
RPA002	The virtual address supplied to DMKRPAPT is outside of the virtual storage being referenced.	
RPA003	The user page count in the VMBLOK became negative.	A module has attempted to release more pages than it originally received. The module that last called DMKRPA is probably the module in error.

Figure 7. CP Abend Codes (Part 17 of 20)

Abend Code	Reason for Abend	Action
SCH001	The total number of interactive users plus batch users in the scheduler's queue is less than zero. A counter was probably decremented incorrectly.	The field SCHN1 is the count of the number of interactive users and the field SCHN2 is the count of the number of batch users. Check the routines that update these two count fields (SCHN1 and SCHN2) to determine why their sum was negative.
SCN001	The VDEVLINK chain is invalid. A VDEVBLOK has a link field that points to another VDEVBLOK associated with the same real device. The first VDEVBLOK is not pointed to by any other link field in the chain.	IPL to restart. If the problem persists, examine the VDEVBLOKs in the link chain as well as the one whose link field points into the chain but is not in the chain. Determine what the owner of the VDEVBLOK was doing at the time.
STK001	DMKSTK was attempting to stack an IOBLOK, a TRQ-BLOK, or a CPEXBLOK for a particular virtual machine and the counter in the VMBLOK overflowed its half-word boundary making the counter appear negative. Since this will happen only when the counter exceeds 32,767, the probable cause of this error is either a program loop that includes the stacking of a CPEXBLOK, IOBLOK or TRQBLOK, or an overlay of the VMBLOK.	Verify that the counters in the VMBLOK reflects the correct number of BLOKs stacked for this virtual machine. If they do not, determine who has overlaid either VMSTKCNT (the count of IOBLOKs, TRQBLOKs, and normal CPEXBLOKs) or VMPRRCT (the count of processor related CPEXBLOKs). If the VMBLOK counters are accurate, identify the caller of DMKSTK by looking in SWTHSAVE in the PSA of the abending processor. The R14 value in the savearea contains the return address of the caller of DMKSTK.

- - - (System Extensions) - - -

STR001	LRA gets a translation or length condition code for a valid page.	If the problem persists, obtain a dump and call IBM for software support.
STR003	An attempt is being made to migrate a table into storage for a segment that is already valid.	
STR004	An attempt is being made to bring a page into storage that does not exist.	
STR007	The save area stack chain is invalid or the specific request could not be found on the chain.	

- - - (End System Extensions) - - -

Figure 7. CP Abend Codes (Part 18 of 20)

Abend Code	Reason for Abend	Action
SVC001	No free storage is available for save areas.	Try to identify the extreme load condition that caused the problem. If the storage requests are valid and the problem occurs regularly, alter the DMKCPI module to allocate more than six pages of free storage per 256K bytes of storage.
SVC002	A supervisor state SVC was issued without the global system lock.	Use the supervisor old PSW in the PSA of the abending processor to identify the module that issued the SVC without the system lock.
SVC003	An unrecoverable DASD I/O error occurred on a paging device.	Check unit address in I/O old PSW to find paging device in error. Call IBM for hardware support.
TDK001	A program is attempting to deallocate a cylinder or FB-512 extent(s) of T-disk space for which no cylinder allocation block (ALOCBLOK) exists. For FB-512 devices, the allocation control block is called ALOFBLOK.	Verify that R8 points to a RDEVBLOK for a CP-owned volume. If it does not, the error may originate in the calling program. Identify the caller by the return address and base register in the SAVEAREA pointed to by R13, and try to idenify the source of the incorrect RDEVBLOK address. If the RDEVBLOK is valid, it may be that the cylinder number passed
TDK002	A program is attempting to deallocate cylinder(s) of T-disk space that are not marked allocated.	is incorrect. The VDEVBLOK for the device for which the T-disk was defined may have been destroyed. If the cylinder number appears valid, examine the allocation record on the real volume by running DMKFMT (VM/370 Format program), invoking the ALLOCATE option without allocating any new space. If the output shows that deallocated cylinder falls within an area defined for T-disk allocation, the ALOCBLOK or ALOFBLOK chained to the RDEVBLOK may be destroyed.
UDR001	The user directory module is looping trying to read all of the UDIRBLOK page buffers from the directory device, or a directory containing over 10,816 users was loaded.	Use the DASD Dump Restore program to print the UDIRBLOK page buffers from the directory device. Determine whether the chain pointers are valid.
UDR002	The resident page count in the VMBLOK (VMPAGES) is reduced to a negative value.	Inspect modules that update VMPAGES for the virtual machine. Check the routine to determine why it is inconsistent with the number of CORTABLE entries assigned to this virtual machine.
VDA002	The system-owned list has an invalid format.	IPL to restart. If the problem persists, check the SYSOWN macro in DMKSYS for validity. If the macro is good, print the dump and examine it.

Figure 7. CP Abend Codes (Part 19 of 20)

Abend Code	Reason for Abend	Action
VDR003	The DASD link chain is invalid. In the case of minidisks, attaching a minidisk that points to an RDEVBLOK whose count of users is already zero causes this abend.	IPL to restart. If the problem persists, examine the RDEVSYS flag. If the RDEVSYS flag is off, the problem is especially serious; print and examine the dump. Examine the VDEVBLOK and RDEVBLOK checking the link chain.
VDS001	A virtual device definition has been requested for a minidisk that is already defined to the system (either as a different device to the user or a device to another user on the system). The directory indicates that the minidisk uses the virtual reserve release logic, but there is no existing VRRBLOK.	Examine the virtual blocks for the existing links to the minidisk and determine why the existing virtual device block pointed to by R3 does not point to a VRRBLOK.
VIO002	DMKSCNVU was unable to locate all of the virtual I/O control blocks for the virtual unit address associated with the interrupt just stacked.	Verify that the unit address in the field IOBVADD in the IOBLOK pointed to by R10 is valid for the user who initiated the I/O. The field IOBUSER contains the address of the user's VMBLOK. If the address is valid, the integrity of the user's virtual I/O configuration has probably been been destroyed. If the address is not valid, the IOBLOK has been altered, or was built incorrectly in the first place.
VIO003	DMKIOS has returned an IOBLOK indicating a condition code of 2 was received from the START I/O for the operation.	Condition code 2 should never be returned to the virtual I/O interrupt handler. Its presence indicates either a failure in the I/O supervisor (DMKIOS), or that the status field in the IOBLOK (IOBSTAT) has been destroyed.
VMA008	The resident page count in the VMBLOK (VMPAGES) is reduced to a negative value.	Inspect modules that update VMPAGES for the virtual machine. Check the routine to determine why it is inconsistent with the number of CORTABLE entries assigned to this virtual machine.
VSP001	The virtual spooling manager could not locate all virtual control blocks for an interrupting unit.	Verify that the unit address (IOBVADD) in the IOBLOK is valid. If the address is valid, the integrity of the virtual I/O configuration has probably been destroyed. If the address is not valid, the IOBLOK has been altered or was built incorrectly.

Figure 7. CP Abend Codes (Part 20 of 20)

CMS Abend Codes

USER ACTION

When a CMS abend occurs, you can either:

1. Enter DEBUG mode and issue the DUMP subcommand, or

2. Get a CP read on your terminal, or type #cp, and issue the DUMP command.

Either of these actions causes a dump of storage to be performed. Do not issue the DUMP command in CMS mode, because abend processing will take place before the dump is performed and the indications of the error will be lost.

3. Save the console sheet. If you are using a display terminal as your virtual console, it is a good idea to spool your console output to the printer by issuing the CP command SPOOL CONSOLE START either at the start of the session or by having the command in your PROFILE EXEC. Then if a problem does arise, a copy of your terminal activity is available for reference. If the session is uneventful, the resulting printer file can be purged.

4. After the DUMP command is executed, the system automatically initiates recovery procedures, so it should not be necessary to re-IPL CMS. If, however, an error message is displayed indicating that error recovery has failed, you should reinitialize (via IPL) CMS.

5. To report a CMS problem, give the dump, the console sheet (or printed console file, if it was spooled), and copies of the CMS files involved to system support personnel.

Figure 8 lists the CMS abend codes and the modules that issue them, the cause of the abnormal termination, and the action the user should take to recover and continue.

Abend Code	Module Name	Cause of Abend	Action
001	DMSSCT	The problem program encountered an input/output error processing an OS macro. Either the associated DCB did not have a SYNAD routine specified or the I/O error was encountered processing an OS CLOSE macro.	Message DMSSCT120S indicates the possible cause of the error. Examine the error message and take the action indicated.
034	DMSVIP	The problem program encountered an I/O error while processing a VSAM action macro under DOS/VS for which there is no OS equivalent. An internal error occurred in a DOS VSAM routine.	Refer to the DOS/VS Messages Reference, Order No. GC33-5379, to determine the cause of the VSAM error.
0Cx	DMSITP	The specified hardware exception occurred at a specified location. "x" is the type of exception: x Type 0 IMPRECISE 1 OPERATION 2 PRIVILEGED OPERATION 3 EXECUTE 4 PROTECTION 5 ADDRESSING 6 SPECIFICATION 7 DECIMAL DATA 8 FIXED-POINT OVERFLOW 9 FIXED-POINT DIVIDE A DECIMAL OVERFLOW B DECIMAL DIVIDE C EXPONENT OVERFLOW D EXPONENT UNDERFLOW E SIGNIFICANCE F FLOATING-POINT DIVIDE	Type DEBUG to examine the PSW and registers at the time of the exception.
0F0	DMSITS	Insufficient free storage is available to allocate a save area for an SVC call.	If the abend was caused by an error in the application program, correct it; if not, use the CP DEFINE command to increase the size of virtual storage and then restart CMS.
0F1	DMSITS	An invalid halfword code is associated with SVC 203.	Enter DEBUG and type GO. Execution continues.

Figure 8. CMS Abend Codes (Part 1 of 4)

Abend Code	Module Name	Cause of Abend	Action
0F2	DMSITS	The CMS nesting level of 20 has been exceeded.	None. abend recovery takes place when the next command is entered.
0F3	DMSITS	CMS SVC (202 or 203) instruction was executed and provision was made for an error return from the routine processing the SVC.	Enter DEBUG and type GO. Control returns to the point to which a normal return would have been made.
0F4	DMSITS	The DMSKEY key stack overflowed.	Enter DEBUG and type GO. Execution continues and the DMSKEY macro is ignored.
0F5	DMSITS	The DMSKEY key stack underflowed.	
0F6	DMSITS	The DMSKEY key stack was not empty when control returned from a command or function.	Enter DEBUG and type GO. Control returns from the command or function as if the key stack had been empty.
0F7	DMSFRE	Occurs when TYPCALL=SVC (the default) is specified in the DMSFREE or DMSFRET macro.	When a system abend occurs, use DEBUG to attempt recovery.
0F8	DMSFRE	Occurs when TYPCALL=BALR is specified in the DMSFREE or DMSFRET Macro devices.	When a system abend occurs, use DEBUG to attempt recovery.
101	DMSSVN	The wait count specified in an OS WAIT macro was larger than the number of ECBs specified.	Examine the program for excessive wait count specification.
104	DMSVIB	The OS interface to DOS/VS VSAM is unable to continue execution of the problem program.	See the additional error message accompanying the abend message, correct the error, and reexecute the program.

Figure 8. CMS Abend Codes (Part 2 of 4)

Abend Code	Module Name	Cause of Abend	Action
155	DMSSLN	Error during LCADMOD after an OS LINK, LOAD, XCTL, or ATTACH. The compiler switch is on.	See the last LOADMOD (DMSMOD) error message for error description. In the case of an I/O error, recreate the module. If the module is missing, create it.
15A	DMSSLN	Severe error during load (phase not found) after an OS LINK, LOAD, XCTL, or ATTACH. The compiler switch is on.	See last LOAD error message (DMSLIO) for the error description. In the case of an I/O error, re-create the text deck or TXTLIB. If either is missing, create it.
174	DMSVIB	The OS interace to DOS/VS VSAM is unable to continue execution of the problem program.	See the additional error message accompanying the abend message, correct the error, and reexecute the program.
177	DMSVIB DMSVIP	The OS interface to DOS/VS VSAM is unable to continue execution of the problem program.	See the additional error message accompanying the abend message, correct the error, and reexecute the program.
240	DMSSVT	No work area was provided in the parameter list for an OS RDJFCB macro.	Check RDJFCB specification.
400	DMSSVT	An invalid or unsupported form of the OS XDAP macro was issued by the problem program.	Examine program for unsupported XDAP macro or for SVC 0.
		- - - (Basic System Extensions) - - -	
500	DMSTLB	A block count error was detected when reading a SL tape. User replied 'cancel' to message 425R or the user's program contained a block count error routine that returned a code of 0 under OS simulation.	Find out what caused the block count error. Then reload CMS and re-run the job.
		- - - (End Basic System Extensions) - - -	
704	DMSSMN	An OS GETMAIN macro (SVC 4) was issued specifying the LC or LU operand. These operands are not supported by CMS.	Change the program so that it specifies allocation of only one area at a time.

Figure 8. CMS Abend Codes (Part 3 of 4)

Abend Code	Module Name	Cause of Abend	Action
705	DMSSMN	An OS FREEMAIN macro (SVC 5) was issued specifying the L operand. This operand is not supported by CMS.	Change the program so that it specifies the release of only one area at a time.
804 80A	DMSSMN	An OS GETMAIN macro (804 - SVC 4, 80A - SVC 10) was issued that requested either zero bytes of storage, or more storage than was available.	Check the program for a valid GETMAIN request. If more storage was requested than was available, increase the size of the virtual machine and retry.
905 90A	DMSSMN	An OS FREEMAIN macro (905 - SVC 5, 90A - SVC 10) was issued specifying an area to be released whose address was not on a double-word boundary.	Check the program for a valid FREEMAIN request; the address may have been incorrectly specified or modified.
A05 AOA	DMSSMN	An OS FREEMAIN macro (A05 - SVC 5, AOA - SVC 10) was issued specifying an area to be released which overlaps an existing free area.	Check the program for a valid FREEMAIN request; the address and/or length may have been incorrectly specified or modified.

Figure 8. CMS Abend Codes (Part 4 of 4)

Control Program (CP) Messages

001E ?CP: command

Explanation: The command specified is not a valid CP command, or a valid CP command was entered prior to logging on to VM/370.

User Action: Reissue the command in full, or in the proper abbreviated form.

002E INVALID OPERAND - operand

Explanation: One of the operands was incorrectly specified. This message is also displayed if a MONITOR STOP command is issued while data collection is inactive, or if a MONITOR START command is issued and data collection is already in progress.

User Action: Reissue the command with a valid operand.

003E INVALID OPTION - option

Explanation: One of the options was incorrectly specified or is invalid with the particular variation of the command. The option may be shorter than the minimum abbreviation required.

User Action: Reissue the command with a valid option.

004E INVALID HEXLOC - operand

Explanation: The hexadecimal location is incorrect because of nonhexadecimal data in the operand or the operand is longer than six characters. If the operand was not a hexadecimal location, it was misspelled.

User Action: Reissue the command; specify the operand correctly.

005E INVALID HEXDATA - hexdata

Explanation: The hexadecimal data supplied either contains nonhexadecimal characters or is longer than eight characters.

User Action: Reissue the command; specify the hexadecimal data.

006E INVALID DEVICE TYPE - addr

Explanation: The device type specified is not recognized as a valid CP device, or it is incorrect for the function requested. Examples of conditions that cause this message to be displayed are:

- If a teletypewriter terminal user issues a TERMINAL APL ON command.

- If the NOTREADY command is issued for a device other than a spooled unit record or console device.

- If the device specified with a READY command is a virtual channel-to-channel adapter that has not yet been attached via the COUPLE command to another device. The virtual CTCA can be made ready only by issuing the COUPLE command.

- - - (Basic System Extensions) - - -

- The user has issued a SET VMSAVE command for a DASD device type with the volid specified in the NAMESYS macro. Module DMKSNT is not supported for this function.

- - - - - - - - - - - - - - - - - -

User Action: Reissue the command; specify a valid device type.

007E INVALID USERID - userid

Explanation: The userid contains more than eight characters.

User Action: Reissue the command with a valid userid.

008E INVALID SPOOLID - spoolid

Explanation: The spoolid specified was not a valid decimal number, or it was larger than four digits.

User Action: Reissue the command with a valid spoolid number.

009E INVALID RANGE - range

Explanation: The range of addresses or registers specified is incorrect. For instance, the end address may be smaller than the starting address, or the number of pages to be locked may be equal to or greater than the number of pages available in the dynamic paging portion of real storage.

User Action: Reissue the command; specify the range.

010E INVALID REGISTER - register

Explanation: The register specified is not in the range 0 through 15 or hexadecimal 0 through F, or the register specified is not 0, 2, 4, or 6 for a floating-point register.

User Action: Reissue the command; specify a valid register.

011E INVALID DEVICE TYPE - userid vaddr

Explanation: The device type is invalid. If this is a DIAL command, the device specified is not a virtual low speed line. If this is the COUPLE command, the device that was specified is not a virtual channel-to-channel adapter.

User Action: Ensure that the device is the correct type for the function, and reissue the command.

012E INVALID PSW - psw

Explanation: The PSW (program status word) specified by the STORE command is invalid. An invalid PSW is one where:

• The virtual machine is operating in extended control mode and some of the bits that are defined by the architecture to be zero have been turned on, or

• The virtual machine is operating in basic control mode, and the extended control mode bit has been specified.

User Action: Change the PSW to a valid format for the mode of the virtual machine. If this is not done, attempting to run the virtual machine with an invalid PSW causes an invalid PSW message to be issued from the CP dispatcher.

013E CONFLICTING OPTION - option

Explanation: This message occurs when:

• The same option is specified twice in the same command, or

• The function required by the given option is incompatible with a previously specified operand.

User Action: Consult the VM/370 CP Command Reference for General Users for the correct specification of the command and the allowed options, and reissue the command.

020E USERID MISSING OR INVALID

Explanation: The userid is either missing or invalid. It may be longer than eight characters. This message is also issued if a user who does not have privilege class D issues the command QUERY FILES CLASS x userid, because the userid operand is valid only for class D users.

User Action: Reissue the command with a valid userid.

021E RADDR MISSING OR INVALID

Explanation: The real device address is either missing or invalid. An invalid device address is more than three characters long or contains nonhexadecimal characters.

User Action: Reissue the command with a valid real device address.

022E VADDR MISSING OR INVALID

Explanation: The virtual device address is either missing or invalid. An invalid virtual device address either:

• Is longer than three characters, or

• Contains nonhexadecimal data, or

• Is greater than X'5FF' for a virtual machine running in basic control mode, or

• Is associated with an unsupported device type (specified in the command IPL vaddr).

User Action: Reissue the command with a valid virtual device address.

023E VOLID MISSING OR INVALID

Explanation: The volume identification is either missing or invalid. A volid longer than six characters is considered invalid.

User Action: Reissue the command with a valid volume identification.

024E CYLS MISSING OR INVALID

- - - (Basic System Extensions) - - -

024E {CYLS|BLKS} MISSING OR INVALID

- - - - - - - - - - - - - - - - - - -

Explanation: The number of cylinders (or blocks if FB-512) must be specified with the command, but it is missing or invalid. An invalid cylinder specification is one that is four or more characters, or larger than the maximum number of cylinders available on the device type specified. An invalid block number specification is one that is seven or more characters, or larger than the maximum number of blocks on the device type specified.

User Action: Reissue the command; specify the number of cylinders or blocks correctly.

025E STORAGE MISSING OR INVALID

    Explanation: The amount of storage is either missing or invalid. An invalid storage specification contains invalid digits or does not end with the letter K or M.

    User Action: Reissue the command; specify the storage requirement.

026E OPERAND MISSING OR INVALID

    Explanation: A required operand is either missing or invalid.

    User Action: Reissue the command with a valid operand.

027E SPOOLID MISSING OR INVALID

    Explanation: The command requires that a spoolid be supplied, but it is either missing or invalid. An invalid spoolid is one that contains nondecimal characters.

    User Action: Reissue the command with a valid spoolid.

028E CLASS MISSING OR INVALID

    Explanation: The class value is either missing or invalid. An invalid class is one that is not in the range A through Z or 0 through 9.

    User Action: Reissue the command with a valid class.

029E FNAME FTYPE MISSING OR INVALID

    Explanation: The filename and/or filetype is missing or invalid. An invalid filename is larger than 24 characters. An invalid filetype is larger than eight characters if the filename is eight characters or less.

    User Action: Reissue the command; specify the required filename and/or filetype.

030E COPIES MISSING OR INVALID

    Explanation: The operand that specifies the number of copies is either missing or invalid. An invalid copy specification is nondecimal or greater than 99.

    User Action: Reissue the command; specify the required number of copies.

031E BUFFER MISSING OR INVALID

    Explanation: The required buffer name is either missing or invalid. An invalid buffer name is longer than eight characters.

    User Action: Reissue the command with a valid buffer name.

032E DISTCODE MISSING OR INVALID

    Explanation: The distribution code is either missing or invalid. An invalid distribution code is longer than eight characters.

    User Action: Reissue the command with a valid distribution code.

033E HEXLOC MISSING OR INVALID

    Explanation: The hexadecimal location is either missing or invalid. An invalid hexadecimal location is one that contains nonhexadecimal characters or is longer than six characters.

    User Action: Reissue the command with a valid hexadecimal location.

034E CHANNEL MISSING OR INVALID

    Explanation: The channel number is either missing or invalid. An invalid channel number either is longer than one character or is nonhexadecimal.

    User Action: Reissue the command with a valid channel number.

035E DEVICE TYPE MISSING OR INVALID

    Explanation: The command requires that a valid CP spool device type be entered as an operand, but it is either missing or invalid. Valid device types are READER (R, RDR), PRINTER (P, PRT), and PUNCH (PU, PCH).

    User Action: Reissue the command with a valid spool device type.

036E INDEX MISSING OR INVALID

    Explanation: If INDEX MISSING is the condition, the requested FCB (forms control buffer) image in DMKFCB does not have an index value, therefore one must be supplied in the command. If INDEX INVALID is the condition, nn was not a number from 1 to 31, where nn corresponds to the number of the first print position.

    User Action: Supply the value for INDEX in the FCB image or ensure that nn is a number from 1 to 31, whichever is appropriate. Reissue the command.

- - - (Basic System Extensions) - - -

037E TAPE raddr INVALID FOR SPTAPE COMMAND

Explanation: On the SPTAPE command with the LOAD/SCAN options, the tape specified by raddr was not generated by SPTAPE commands and has and invalid tape format.

System Action: The tape is unloaded and the command is terminated.

User action: Have the operator verify that the tape was created by the SPTAPE command.

- - - - - - - - - - - - - - - - - -

040E DEV addr DOES NOT EXIST

Explanation: The device address specified does not exist, or a TIO to that device resulted in condition code 3. If the device address is a real device, it is not configured in the CP system, or the device is configured in CP but is not operational; if it is a virtual device address the virtual device is not configured in the virtual machine.

If the specified device address is valid, this message may indicate a problem with the Network Control Program and/or the 370x.

User Action: Reissue the command; specify the required real or virtual device address.

041E LOGMSG nn DOES NOT EXIST

Explanation: The SET LOGMSG command has been issued requesting a specific log message line, and the log message line does not exist.

User Action: Reissue the command; specify the required log message line.

042E SPOOLID nnnn DOES NOT EXIST

Explanation: The spoolid number specified does not exist within the specified device type.

If the spoolid specified is an open reader file (in use by the virtual machine), it cannot be changed or purged. A CLOSE command will purge an open reader file unless SPOOL RDR HOLD is in effect.

User Action: Reissue the command; specify only known and valid spoolids.

043E BUFFER name DOES NOT EXIST

Explanation: The buffer name supplied with the command is not known to the CP system. The buffer does not exist if it cannot be found in one of the following CP modules:

DMKFCB = 3211 Forms Control Buffers
DMKUCB = 3211 UCS Buffers
DMKUCS = 1403 UCS Buffers
DMKPIA = 3289 Font Offset Buffers

User Action: Reissue the command; specify a valid buffer name.

044E SYSTEM name DOES NOT EXIST

Explanation: The system name specified does not exist in the VM/370 system.

User Action: Reissue the command; specify a valid system name.

045E userid NOT LOGGED ON

Explanation: The userid specified is not logged on. The command cannot execute properly unless the user specified is logged on.

User Action: Reissue the command; specify only users who are currently logged on.

046E {DEV rid|type raddr} OFFLINE

Explanation: The specified device or resource is offline and is considered not available to the CP system.

User Action: If this message was issued for DEV rid, issue the NETWORK VARY command to vary the resource online, and then reissue the command. If the message was issued for type raddr, issue the VARY command to vary the device online, and then reissue the command.

047E userid vaddr DOES NOT EXIST

Explanation: The device specified for the particular userid does not exist in that user's virtual machine configuration. If the message is issued for the DIAL or COUPLE command, the particular device specified with those commands is not defined in the receiving user's virtual machine configuration.

User Action: Reissue the command; specify only existing virtual device addresses for the receiving virtual machine.

048E CHANNEL x DOES NOT EXIST

Explanation: The channel specified in the ATTACH CHANNEL command is not configured in the CP system.

User Action: Reissue the command; specify only valid and defined real channel addresses.

049E type raddr IN USE

> Explanation: An attempt was made to vary an active teleprocessing line or graphic device offline.

> User Action: Deactivate the line by issuing the DISABLE command; then reissue the VARY command.

050E PASSWORD INCORRECT

> Explanation: The password supplied with the LOGON command is incorrect.

> User Action: Reissue the LOGON command, and supply the correct password when prompted.

051E MAXIMUM USERS EXCEEDED

> Explanation: The maximum number of users specified by the system operator would have been exceeded if the logon were allowed to proceed.

> User Action: Logon is not allowed and the line is disabled. Try to log on at a later time. If necessary, send a message to the operator before logging on to inquire about the status of the maximum number of users.

052E ERROR IN CP DIRECTORY

> Explanation: The link or logon cannot be accomplished because of a permanent I/O error encountered while reading the VM/370 directory.

> User Action: Send a message to the system operator stating that you cannot complete your link or logon because of an error in the VM/370 directory.

053E userid NOT IN CP DIRECTORY

> Explanation: The userid supplied was not found in the VM/370 directory.

> User Action: Reissue the command; specify a valid userid.

054E ALREADY LOGGED ON {LINE|GRAF} raddr

> Explanation: The userid supplied in the LOGON command is already logged on at the given line address. (LINE indicates a typewriter terminal; GRAF indicates a display terminal.)

> User Action: Log on specifying a different userid, or send a message to the operator or the logged-on user requesting information on the logon status.

055E LINE(S) NOT AVAILABLE ON userid

> Explanation: The DIAL command has been issued to a userid and either:

> • That userid has no 270X lines, or
> • The lines are not enabled, or
> • The lines are all busy.

> User Action: Reissue the DIAL command specifying a userid that has enabled virtual 270X lines that are not already servicing a user.

056E LINE vaddr BUSY ON userid

> Explanation: The virtual 270X line specified in the DIAL command is busy.

> User Action: Reissue the DIAL command at a later time when the line becomes available.

057W userid NOT RECEIVING; {DISCONNECTED|MSG OFF|SMSG OFF|NOT AUTHORIZED|WNG OFF}

> Explanation: The userid specified in a MESSAGE, SMSG, or WARNING command is not receiving because the user is disconnected, not authorized, or has set messages (or special messages or warnings) off using the SET command.

> User Action: No further action is required.

058E CTCA vaddr BUSY ON userid

> Explanation: The virtual channel-to-channel adapter specified in the COUPLE command is busy on the receiving userid's virtual machine.

> User Action: Reissue the command; specify an available virtual channel-to-channel adapter.

059E AUTOLOG FAILED FOR userid - {IPL MISSING|IPL FAILED|ACCOUNTING ERRORS}

> Explanation: An AUTOLOG command was issued for a user, but the command could not be executed for one of the following reasons:

> 1. IPL MISSING - there was no IPL record in the user's directory entry.

> 2. IPL FAILED - the IPL did not complete successfully.

> 3. ACCOUNTING ERRORS - the logon accounting routine returned a nonzero return code.

> System Action: The user is not logged onto the system.

> User Action: For reason 1, have your system administrator place an appropriate IPL record in the specified user's directory.

For reason 2, log onto the userid in the usual manner to determine the cause of the IPL failure.

For reason 3, contact your system programmer for specific requirements of your local accounting procedures.

060E DUMP FAILED; VIRTUAL PRINTER UNAVAILABLE

Explanation: The virtual printer either does not exist or is not ready.

User Action: If a virtual printer exists, issue the CP READY command for it and then reissue the DUMP command. If a virtual printer does not exist, use the CP DEFINE command to create one and reissue the DUMP command.

061E DUMP FAILED; VIRTUAL PRINTER ERROR

Explanation: Either an I/O error occurred while the dump was being spooled to DASD, or spool space has been filled.

User Action: Notify the system programmer.

- - - (System Extensions) - - -

062E ECMODE NOT SET ON

Explanation: A SET STBYPASS was issued to a virtual machine without the ECMODE option being in effect.

System Action: The command is terminated.

User Action: Issue the SET ECMODE ON command which will reset the virtual machine. Then IPL the virtual system and reissue the command.

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- - - (System Extensions) - - -

063E SHADOW TABLE BYPASS; NOT SET

Explanation: The virtual machine is not running in extended control mode or the virtual control register 1, or segment or page table entries are not architecturally valid.

Note: If virtual machine assist is available, the STFIRST option must be specified in the user's directory.

System Action: The highest virtual=real address is set to zero.

User Action: Use the SET STBYPASS command only after the virtual relocate system has been reloaded and is running.

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- - - (System Extensions) - - -

064E SHADOW TABLE BYPASS; RESET

Explanation:
Virtual=Real user: The virtual system was running with 'SET STBYPASS VR'. The virtual machine attempted to run with translation tables resident in the first 4K of storage.

Virtual=Virtual user: Either the virtual operating system attempted to map a virtual address, not equal to its real address, to an address below the highest virtual=real address in the virtual address space or the virtual machine loaded a BC mode PSW or the virtual system was reset.

System Action: The SET STBYPASS command has been SET OFF. Virtual machine execution will continue.

User Action: Use the SET STBYPASS command only when running a virtual relocation operating system that does not violate the shadow table bypass restriction.

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- - - (System Extensions) - - -

065E HIGHEST ALLOWABLE HIGH-WATER MARK VALUE IS xxxxxK

Explanation: The value specified by the 'SET STBYPASS nnn' command exceeded the highest allowable high-water mark value. The high-water mark value will be set only if it is not higher than the following:

• the virtual machine size
• a high-water mark value determined from the virtual machine's page and segment tables.

The highest allowable high-mark value may not be the true water mark value because the virtual translation tables may have several pageable page frames contiguous with the true high-water mark.

System Action: The high-water mark value is set to zero, turning off the function.

User Action: Determine the true high-water mark value from the virtual systems configuration. Then reset the SET STBYPASS nnn command with the high-water mark value.

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- - - (System Extensions) - - -

066E STMULTI OPTION CSEG RESET

Explanation: The previously defined value of the CSEG option of the STMULTI command has been reset to zero because the virtual machine has been reset.

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- - - (System Extensions) - - -

System Action: The CSEG option of the STMULTI command has been reset to zero.

User Action: Issue the SET STMULTI command with the desired value of the CSEG specified.

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067E COMMAND FORMAT NOT VALID

Explanation: The LOGON password was entered on the same line as the LOGON command or a valid option was misspelled.

User Action: Reenter the LOGON command omitting the password or reenter the LOGON command with the correctly spelled option.

Note: With the PROTECT option on, the LOGON password may not be entered on the same line as the LOGON command. Enter the password as a response to the "ENTER PASSWORD" message.

070E DEVICE NOT AVAILABLE - MSS DEVICES ALLOCATED

Explanation: User is logged on with a minidisk defined on a system volume that is not mounted. When attempting to find an MSS volume with the correct volid, an MSS 3330V is required. There are no MSS 3330Vs available to try a volume count.

Note: This message is immediately followed by the current DMKLNK108E message specifying the referenced 'vaddr' and 'volid'.

System Action: The operation failed.

User Action: Determine whether the 'volid' required is an MSS volume or standard 3330-1. If it is a standard 3330-1, follow the actions for message 108E. If it is an MSS volume, notify the system operator so that the volume may be made accessible.

071E DEVICE NOT AVAILABLE - MSS CANNOT BE ACCESSED

Explanation: The control program has attempted an operation that requires MSS access. The routine to communicate with the MSS (DMKMSS) is not active because of one of the following reasons:

- The communicator virtual machine has not been logged on.

- The VS system has not yet been initialized in the virtual machine.

- The DMKMSS program has not been started in the virtual machine.

This message can be issued during execution of any operation that initiated MSS mount or demount activity.

Note: This message will always be followed by a message from the specific control program routine that needed MSS activity.

System Action: The operation failed.

User Action: Request that the system operator makes the communicator virtual machine available or wait until the communicator virtual machine can be initialized.

072E DEVICE NOT AVAILABLE - 'raddr' NOT PROPER TYPE

Explanation: A dedicate or attach operation is in process for device 'raddr'; device 'raddr' is a 3330V. The 'raddr' is not the proper type (VIRTUAL or SYSVIRT).

System Action: The attach or dedicate operation failed.

User Action: Reissue the command with the correct 'raddr' or if the 'raddr' was specified correctly, request that the system operator use the DEFINE command to reset the 3330Vs characteristics.

073E DEVICE NOT AVAILABLE - MSS ERROR

Explanation: The control program has determined that the only possible way to satisfy a request for a virtual device is to issue an MSS mount request. The MSS accepted the request, but later generated an error indication.

System Action: The control program command that initiated the MSS request will produce a message to indicate the eventual result of the MSS error.

User Action: Contact the VM/370 system operator to ensure that action is underway to correct the MSS error. Reissue the command when the error has been corrected.

074E MISSING INTERRUPT - DEVICE 'vaddr'

Explanation: The virtual machine started I/O to its device 'vaddr', that is an MSS 3330V in the control program. A cylinder fault occurred on the 3330V but the corresponding attention interruption was not received in the specified time interval.

System Action: The original I/O operation is restarted to the device so that if the cylinder fault is satisfied, the request will complete normally.

User Action: If the message recurs, it may indicate an error in the MSS staging adapter. The pending I/O request can be cleared by issuing the RESET 'vaddr' command.

075E DEVICE 'raddr' IS NOT AVAILABLE

    Explanation: An ATTACH command has been processed to attach a 'raddr' to the system. However, the 'raddr' is a SYSVIRT 3330V and that volume is mounted and its serial is not the same as that specified on the 'volid' parameter.

    System Action: The specified 'raddr' is not attached.

    User Action: Choose an available SYSVIRT 'raddr' and reissue the command. The QUERY command can be used to find an available 'raddr'.

076E The 'volid' PARAMETER IS INVALID

    Explanation: The 'volid' parameter was specified with a range or multiple of real addresses on the ATTACH command. This not a valid combination.

    System Action: No addresses are attached.

    User Action: Reissue the command with a valid combination of operands.

077E INVALID REQUEST FOR DEVICE 'nnn'

    Explanation: A DEFINE command was issued with the VIRTUAL or SYSVIRT parameter for device 'nnn'. Device 'nnn' cannot be defined because it is already the specified type or it is active in its current state.

    System Action: The status of the device is not changed. No further DEFINE command processing occurs.

    User Action: The QUERY command can be used to determine the exact status of 'nnn'. The operator can either issue the DEFINE command with a different address specification or wait until the status of 'nnn' has changed.

    - - - (Basic System Extensions) - - -

080E NO PREALLOCATED VMSAVE AREA

    Explanation: The VMSAVE option was specified in the directory at logon, or a SET VMSAVE ON command was issued, and there is no entry in DMKSNT with a USERID= specification for this user.

    System Action: The VMSAVE option is not enabled.

    User Action: Verify that the NAMESYS macro defining the target area is specified correctly. If none is present, add a NAMESYS macro defining the target area in module DMKSNT. Issue the SET VMSAVE ON or SET VMSAVE area-name to enable the option.

    - - - - - - - - - - - - - - - - - - -

- - - (Basic System Extensions) - - -

081W VMSAVE AREA CONTAINS A SAVED SYSTEM, MUST USE SET COMMAND

    Explanation: The VMSAVE option is specified in the directory but a valid saved VMSAVE system already exists in the DASD target area.

    System Action: The VMSAVE option is not enabled.

    User Action: Verify that the NAMESYS macro is specified correctly for this VMSAVE target area. Use the QUERY VMSAVE command to determine when the system was saved. Use the IPL command to load the system or the SET VMSAVE ON command to clear the area.

    - - - - - - - - - - - - - - - - - - -

    - - - (Basic System Extensions) - - -

082E MORE THAN ONE VMSAVE AREA ALLOCATED, MUST SPECIFY AREA NAME

    Explanation: The VMSAVE option is specified in the directory or the user has issued a SET VMSAVE ON command when he has more than one target VMSAVE area available to the user.

    System Action: The VMSAVE option is not enabled.

    User Action: Issue a QUERY VMSAVE command to determine what areas are available and then issue a SET VMSAVE area-name command to enable the VMSAVE option.

    - - - - - - - - - - - - - - - - - - -

    - - - (Basic System Extensions) - - -

083E VMSAVE AREA DOES NOT CONTAIN A VALID SYSTEM

    Explanation: The user has issued an IPL command to a VMSAVE target DASD area. The DASD area specified does not contain a valid system.

    System Action: The IPL command is terminated.

    User Action: Verify that the correct name was specified on the IPL command. Ensure that the NAMESYS specification points to the correct DASD area. Reissue the IPL command.

    - - - - - - - - - - - - - - - - - - -

088I MSS MOUNT PROCEEDING FOR VOLUME 'volid'

    Explanation: The control program mounted the system volume 'volid' while processing an MDISK or DED directory statement or a LINK or ATTACH command. The MSS is now mounting the volume.

System Action: RC=160.
The allocation of the virtual device is
queued, pending the completion of the
mount. Any SIO instruction issued by the
virtual machine to the virtual address
corresponding to the MSS volume is trapped
by VM/370 and queued until the volume is
mounted. Control is not returned to the
user until the volume is mounted and the
SIO has been passed to the volume.

User Action: None. However, if a SIO is
issued to the virtual device before the
mount is complete, that SIO will be queued
by VM/370 and the virtual machine
processing will be suspended pending the
completion of the mount. The user can
cancel the SIO, rather than waiting for the
mount, by getting into CP mode and issuing
the RESET command for the virtual address.
This will cause CP to dequeue the SIO and
generate a condition code 3.

090E DEV vaddr NOT DEFINED; DEV {raddr|volser}
NOT AVAILABLE

Explanation: The virtual device has not
been defined in the virtual machine's
configuration because the real device
described in the directory DEDICATE card is
not available. A real device is considered
not available if it is:

• Already attached to another user, or
• In use by the CP system, or
• Offline.

User Action: Ask the system operator about
the status and availability of the real
device. The operator can attach the
required device or an alternate device to
the virtual machine.

091E DASD vaddr NOT DEFINED; TEMP SPACE NOT
AVAILABLE

Explanation: The virtual device has not
been defined in the virtual machine
configuration because the temporary space
requested is not available. Temporary
space is considered not available if:

• No space has been allocated by the
installation for temporary use, or
• The number of cylinders (or blocks if
FB-512 device) requested cannot be
satisfied from the available space
remaining.

User Action: The space cannot be defined if
it has not been allocated. If space has
been allocated, issue the DEFINE command
requesting fewer cylinders (or blocks if
FB-512 device.)

092E DEV vaddr NOT DEFINED; type vaddr ALREADY
DEFINED

Explanation: The virtual device specified
has not been previously defined within the
virtual machine's configuration, or that
address is already defined within the
virtual machine's configuration.

User Action: Reissue the command; specify a
virtual device address that is not already
defined within the virtual machine
configuration, or detach the conflicting
virtual device address before reissuing the
command.

093E DEV vaddr NOT DEFINED; ERROR IN CP
DIRECTORY

Explanation: The requested virtual device
has not been defined within the virtual
machine configuration because of an error
in the CP directory. An example of this
condition is a dedicated 2305 device which
did not specify the first exposure address
for both the virtual and real addresses on
the DEDICATE statement.

User Action: Send a message to the system
operator stating the problem so that the
error in the CP directory can be corrected.

094E STORAGE EXCEEDS ALLOWED MAXIMUM

Explanation: The storage specified in the
DEFINE command exceeds the maximum
allowable as specified in the CP directory.

User Action: Reissue the DEFINE command
specifying a smaller storage size.

095E DEV vaddr NOT DEFINED; INSUFFICIENT FREE
STORAGE

Explanation: Sufficient free storage could
not be acquired to define a virtual device
as a result of the logon process or a
DEFINE command.

User Action: Reduce the number of virtual
devices in the user configuration. The
system programmer may want to allocate more
free storage to the system.

098E DEV rid MODE SWITCH NOT POSSIBLE

Explanation: If this message was issued in
response to the DIAL command, it indicates
that the DIAL command was issued from a
terminal connected to a 3704/3705 that is
running the Network Control Program (NCP)
or the Partitioned Emulation Program (PEP),
and the terminal cannot be switched from
network control mode to emulation mode.

Otherwise, this message indicates that the
NETWORK VARY command was issued with either
the EP or NCP operand, requesting a mode
switch that cannot be performed. Either the
specified resource does not have the mode
switch capability or the switch could not
be performed. For the NETWORK VARY EP
command line, the mode switch cannot be
performed if:

• The resource is already in emulation
mode.
• No RDEVBLOK is available for addressing
the line when it is in emulation mode.

For the NETWORK VARY NCP command line, the
mode switch cannot be performed if:

- The resource is already in network
  control mode.
- No RDEVBLOK exists for the emulator
  subchannel address associated with the
  specified resource.

System Action: Command execution is
terminated.

User Action: For the DIAL command, verify
that the correct 3704/3705 control program
is active, and that the specific resource
in use was generated with the mode switch
capability. Note that the DIAL command
cannot be used with the NCP, because the
NCP does not support the mode switching
function.

For the NETWORK VARY command, check the
operands specified when the 3704/3705
control program was generated and correct
any in error. Check that the RDEVICE macros
in the DMKRIO module were specified
correctly, according to the real machine
and 3704/3705 configurations. If errors are
discovered in the 3704/3705 control program
generation, regenerate the 3704/3705
control program. If errors are discovered
in the DMKRIO module, regenerate the CP
nucleus.

101W DASD vaddr FORCED R/O; R/O BY {nnn
USERS|userid}

Explanation: The virtual device specified
has been forced into read-only status
because other users on the system already
are linked to the same device with
read-only access. If only one user has
read-only access, that user's userid is
displayed at the terminal.

User Action: This is a warning message for
information only and no further action is
required.

102W DASD vaddr FORCED R/O; R/W BY {nnn
USERS|userid}

Explanation: The virtual device specified
has been forced into read-only status
because other users on the system already
have access to the same disk area in
read/write mode. If only one user has
read/write access, that user's userid is
displayed at the terminal.

User Action: This is a warning message for
information only and no further action is
required.

103W DASD vaddr FORCED R/O; R/W BY {nnn
USERS|userid}; R/O BY {nnn USERS|userid}

Explanation: The given virtual device has
been forced into read-only status because
the disk is in read/write use by some users

and read-only use by other users linked to
the same disk area. If the number of users
having read/write or read-only access is
one, the single userid is displayed at the
terminal.

User Action: This is a warning message for
information only and no further action is
required.

104E userid vaddr NOT LINKED; R/O BY {nnn
USERS|userid}

Explanation: The link to the user's virtual
device has not been accomplished because
that disk area is already in read-only use
by one or more users. If the number of
users is one, the single userid is
displayed at the terminal.

User Action: Reissue the LINK command,
specifying the appropriate alternate access
to obtain a link to the desired area in
read or write mode.

105E userid vaddr NOT LINKED; R/W BY {nnn
USERS|userid}

Explanation: The link to the user's virtual
device has not been accomplished because
that disk area is already in read/write use
by one or more users. If the number of
users is one, the single userid is
displayed at the terminal.

User Action: Reissue the LINK command,
specifying the appropriate alternate access
to gain a link to the device in the
required mode.

106E userid vaddr NOT LINKED; R/W BY {nnn
USERS|userid}; R/O BY {nnn USERS|userid}

Explanation: The link to the user's virtual
device has not been accomplished because
the disk is in read/write use by some users
and read-only use by other users. If the
number of users is one, the single userid
is displayed at the terminal.

User Action: Reissue the LINK command,
specifying the appropriate alternate access
required to gain the correct link to the
disk area.

107E userid vaddr NOT LINKED; NOT IN CP
DIRECTORY

Explanation: The link to the user's virtual
device has not been accomplished because
that virtual device address is not defined
in the VM/370 directory for the specified
userid.

User Action: Reissue the LINK command,
specifying the correct virtual device
address or the correct userid.

108E userid vaddr NOT LINKED; VOLID volid NOT
MOUNTED

Explanation: The link to the user's virtual
device address has not been accomplished
because the virtual device is defined on a
volume that is not currently mounted on the
CP system.

User Action: Send a message to system
operator asking that the specified volume
be mounted and attached to the CP system.
Reissue the LINK command when the operator
confirms that the correct volume has been
mounted.

109E userid vaddr NOT LINKED; INVALID LINK
DEVICE

Explanation: The link to the user's virtual
device has not been accomplished because
the virtual device defined in the user's CP
directory entry is not a minidisk to which
a link can be accomplished.

User Action: Reissue the LINK command with
a valid userid and virtual device address.

110E userid vaddr NOT LINKED; type vaddr ALREADY
DEFINED

Explanation: The link to the user's virtual
device has not been accomplished because
this virtual machine already has a device
with the same address defined in its
configuration.

User Action: Reissue the LINK command
requesting a different virtual device
address, detach the device with the
conflicting virtual address from the
virtual machine, and then reissue the LINK
command.

111E userid vaddr NOT LINKED; NO READ PASSWORD

Explanation: The link to the user's virtual
device has not been accomplished because no
read access to it is allowed.

User Action: Contact your system programmer
to request a directory change.

112E userid vaddr NOT LINKED; NO WRITE PASSWORD

Explanation: The link to the user's virtual
device has not been accomplished because no
write access to it is allowed.

User Action: Contact your system programmer
to request a directory change.

113E userid vaddr NOT LINKED; NO MULT PASSWORD

Explanation: The link to the user's virtual
device has not been accomplished because no
multiple-access password is specified for
the user's minidisk.

User Action: Contact your system programmer
to request a directory change.

114E userid vaddr NOT LINKED; PASSWORD INCORRECT

Explanation: The link to the user's virtual
device has not been accomplished because an
incorrect password was entered.

User Action: Reissue the LINK command and
specify the correct password.

115E {AUTOLOG|LINK} INVALID; EXCESSIVE INCORRECT
PASSWORDS

Explanation: The AUTOLOG command issued
from a virtual machine by a DIAGNOSE
instruction is now invalid because the user
has entered four incorrect passwords
associated with the AUTOLOG command during
the current terminal session.

The LINK command issued from a virtual
machine by a DIAGNOSE instruction is now
invalid because the user has entered ten
incorrect unprompted passwords for access
to minidisks during the current terminal
session.

User Action: The command can still be
entered from the CP command mode by
signaling attention and reissuing the
command. The AUTOLOG command can be issued
from the virtual machine environment if you
do not enter the password as part of the
input line but allow the CP system to
prompt you for it. This error condition
from the AUTOLOG or LINK command is
designed to prohibit password guessing by
repetitive calls to the command from within
the virtual machine.

116E userid xxx NOT LINKED; CP DIRECTORY IN USE

Explanation: The userid to which you are
linking is either logging on the system, or
someone else is attempting a link to the
same userid at this time.

User Action: Reissue the LINK command.

117E userid userid NOT LINKED; VOLID volid
CONFLICT

Explanation: The volume label in the user's
directory entry matches the volume label on
the real device, but the device class and
device type are not the same.

User Action: Correct the error in the
VM/370 directory for the device that cannot
be linked.

118E userid vaddr NOT LINKED; COMMAND FORMAT NOT VALID

Explanation: The LINK password was entered on the same line as the LINK command or a valid option was misspelled.

User Action: Reenter the LINK command omitting the password or reenter the LINK command with the correctly spelled option.

Note: With the PROTECT option on, the LINK password may not be entered on the same line as the LINK command. Enter the password as a response to the "ENTER PASSWORD:" message.

119E userid vaddr NOT LINKED; INSUFFICIENT FREE STORAGE

Explanation: Sufficient free storage could not be acquired to satisfy the link request for a virtual device.

User Action: Reduce the number of virtual devices in the user configuration or in other user configurations.   The system programmer may want to allocate more free storage to the system.

120E type raddr NOT   ATTACHED; userid vaddr ALREADY DEFINED

Explanation: The real device has not been attached to the specified userid because that userid has already defined a virtual device of the specified virtual address.

Operator Action: Reissue the ATTACH command specifying a different virtual device address for the user. You should first send a message, via the MESSAGE command, to the user requesting what action should be taken and what virtual device should be assigned. The user may wish to detach the conflicting virtual device from his machine configuration and ask the operator to reissue the ATTACH command.

121E type raddr NOT ATTACHED TO userid

Explanation: The real device has not been detached from the specified userid because it was not attached to that user. Either the real device or the userid has been incorrectly specified.

User Action: Reissue the DETACH command specifying the correct device address for the userid.

122E type raddr ALREADY ATTACHED TO userid

Explanation: The requested real device is already attached to another userid.   The operator has probably specified an incorrect real device address.

Operator Action: Reissue the ATTACH command, specifying the correct real device address.

123E DASD raddr CP OWNED

Explanation: The command has not been processed for the requested userid because that device is owned by the CP system. A CP-owned device is one that is defined in the system-owned list and is in use for paging or spooling space.

User Action: The command cannot be specified for the real device because that device must remain owned and in use by the CP system.

124E DASD raddr IN USE BY nnn USERS

Explanation: The command has not been executed because the device is in use by the stated number of users.

User Action: The command cannot oe executed for the specified real device until all users who have minidisks in use on that device detach them.

125E DASD raddr VOLID volid ALREADY ATTACHED TO SYSTEM

Explanation: The volid is already mounted and attached to the system.

Operator Action: Reissue the ATTACH command specifying the correct volid. It may be necessary to detach the real device from the system that contains the duplicate volid before attempting the ATTACH command again.

126E DASD raddr ERROR READING VOLID

Explanation: The specified device could not be attached to the system because of an error in reading the volume label.

Operator Action: Check that there are no equipment failures; reissue the ATTACH command.

127E DASD raddr VOLID volid DOES NOT MATCH

Explanation: The real device has not been attached to the system because the volid read from the label does not match the one specified with the command.

Operator Action: Reissue the ATTACH command specifying the correct volid.

128E DASD raddr ERROR READING ALLOCATION RECORD

Explanation: The volume, which is a CP-owned volume, has not been allocated for CP use because the allocation record could not be read.

Operator Action: Detach the device from the
system and reattach it to the system, after
checking that there are no equipment
failures.

129E CHANNEL x DEVICES IN USE

Explanation: The ATTACH CHANNEL command has
not been executed because the devices on
that channel are already in use.

Operator Action: Detach devices from users
and the system before reissuing the ATTACH
CHANNEL command.

130E CHANNEL x NOT ATTACHED TO userid

Explanation: The DETACH CHANNEL command has
not been accomplished because that channel
is not attached to the specified userid.

Operator Action: Reissue the command with
the correct channel for the userid.

131E INSUFFICIENT FREE STORAGE AVAILABLE FOR
{ATTACH|LOGON REQUEST}

Explanation: An attempt was made to acquire
storage for virtual device/control
unit/channel blocks from free storage. The
storage request could not be satisfied. In
the case of ATTACH, no devices are
attached. In the case of LOGON, logon
processing is accomplished but no virtual
devices are available in the user's
configuration.

User Action: Reduce the amount of storage
being requested by reducing the number of
virtual devices being attached or logged
on. The system programmer may want to
allocate more free storage to the system.

132E CHANNEL x ALREADY DEFINED BY userid

Explanation: The userid's virtual machine
already has a channel with the same address
defined in the virtual machine.

Operator Action: Request that the user
detach all devices from the requested
virtual channel and then reissue the
command specifying the correct channel
address.

133E DASD raddr NOT READY

Explanation: An attempt has been made to
attach a DASD device that is not ready.

Operator Action: Make the device ready and
reissue the command.

134E type vaddr NOT ATTACHED; CHAN x DEDICATED

Explanation: The command has not been
executed for the requested userid because
the user has attached a dedicated channel
with the same channel number as the virtual
channel number specified in the ATTACH
command.

Operator Action: Verify that the vaddr in
the ATTACH command is correct.

135E type vaddr NOT DETACHED; CHAN x DEDICATED

Explanation: The command has not been
executed because the device was attached
via the ATTACH CHANNEL command.

Operator Action: If the channel is no
longer needed, issue the DETACH CHANNEL
command.

136E DEV vaddr NOT DEFINED; CHAN x DEDICATED

Explanation: The channel number appearing
in the error message is a dedicated
channel. Users of dedicated channels are
not permitted to define devices in which
the virtual channel address equals the real
dedicated channel address.

User Action: Reissue the DEFINE command
using a different virtual channel address.

137E DASD vaddr NOT LINKED; CHAN x DEDICATED

Explanation: Channel x is dedicated to
this virtual machine. The vaddr appearing
in the error message has a virtual channel
that is equal to the real dedicated
channel. Users of dedicated channels are
not permitted to link to DASD device(s)
where the virtual channel equals the real
dedicated channel.

User Action: Reissue the LINK command
using a different virtual channel address.

138E CHANNEL x NOT ATTACHED; INSUFFICIENT FREE
STORAGE

Explanation: Sufficient free storage could
not be acquired to satisfy the attach
channel request. The request cannot be
satisfied unless all devices on the channel
can be attached.

User Action: Reduce the number of virtual
devices in the user configuration. The
system programmer may want to allocate more
free storage to the system.

139E DASD addr NOT ATTACHED; 3330V NOT ACCEPTED
AS SYSTEM VOLUME

Explanation: Mass Storage (MSS) 3330V
devices cannot be attached to the system
and used to contain minidisks.

User Action: This message identifies a
restricted function. Mass Storage (MSS)
3330V devices can only be dedicated to a
virtual machine user.

140E type raddr ATTACHED TO userid

Explanation: The device specified is not
under CP control but is attached to the
specified userid for its exclusive control.

User Action: Reissue the command; specify
only devices under CP control. The
operator must detach the device from the
specified user in order to make it
available to another user.

141E type raddr NOT ACTIVE

Explanation: The command has not been
executed because the device specified was
not performing any spooling function.

User Action: Reissue the command; specify
the correct real device, if necessary.

142E type raddr NOT DRAINED

Explanation: The command has not been
executed because the device specified was
not in a drained status.

Operator Action: Drain the specified device
via the DRAIN command, and reissue the
command.

143E type raddr IN USE BY SYSTEM

Explanation: The specified device either:

- Is attached to the system, or

- Is performing I/O activity, or

- Is a 3704 or 3705 that is loaded with an
active EP, NCP, or PEP, or that is the
active address for the automatic
DUMP/LOAD process.

System Action: The command is not executed.

Operator Action:

- For any device other than a 3704 or
3705, detach the device if possible, or
wait for the I/O activity to cease, and
then reissue the command.

- For an active 3704 or 3705, the command
cannot be executed.

- If a NETWORK DUMP is required, use the
3704/3705 LOAD button to activate VM/370
automatic dump and reload procedures.

- If a NETWORK LOAD of a 3704/3705 control
program other than the active one is
required, use the NETWORK DUMP command
with the OFF operand to suppress
automatic recovery, and then use the
subsequent NETWORK LOAD command.
NETWORK SHUTDOWN can also be used to
terminate the VM/370 Network Control
Program.

144W type vaddr RESET BY userid

Explanation: The HALT command was used to
terminate an active channel program and
that channel program was associated with a
specified virtual device.

System Action: The real device is halted
and all pending interrupts are cleared from
the specified virtual device. The virtual
machine then enters CP command mode.

Programmer Action: Ensure that a valid
channel program was started to the
specified virtual device.

User Action: IPL the virtual system to
continue.

145I USERID:userid AT term-raddr WITH INVALID
LINK LOGON PASSWORD NO. xxx (pswd) HAS
VIOLATED THE LIMIT OF yyy [,A=auserid]

Explanation: The installation defined
threshold for invalid passwords has been
reached by "userid". "term-raddr" is the
address of the terminal being sued, "xxx"
is the current invalid password count,
"pswd" is the invalid password, and "yyy"
is the current limit which when met, causes
message DMKJR1145I to be sent. If the
optional information "[,A=auserid]" is
present, the message is the result of an
AUTOLOG command. In this case "userid" is
the userid specified in the AUTOLOG
command, and "auserid" is the userid of the
issuer of the AUTOLOG.

Operator Action: None.

User Action: Each installation will have to
define the specific action they wish to
take when this situation arises. Since the
situation is a possible attempt to
penetrate the system, it should not be
ignored.

148E type raddr BUFFER LOAD name FAILED

Explanation: The buffer load cannot be
accomplished because of an I/O failure on
the specified device.

User Action: Reissue the command,
attempting to load the buffer as before.
If the problem persists, there is probably
a hardware error. Call your system support
personnel for assistance.

160E HEXLOC hexloc EXCEEDS STORAGE

>Explanation: The hexadecimal location specified exceeds the storage size. If the hexadecimal location was a virtual address, the address was beyond the range of the virtual machine storage size; if it was a real address, then the address was beyond the range of the real storage size.

>Note that the storage created by a virtual operating system running under VM/370 is beyond the range of the virtual machine storage size. Thus, the virtual region of a VS operating system running under VM/370, for example, cannot be displayed.

>User Action: Reenter the command, using only valid hexadecimal locations within the range of the real or virtual storage size.

161E SHARED PAGE hexloc ALTERED BY-userid

>Explanation: The operator has issued an STCP (store CP) command for the shared page at hexadecimal location 'hexloc'. This page has just been altered by the currently dispatched user, 'userid', and it therefore will belong solely to 'userid'. Another copy of the shared page will be created at another location for the other users sharing the page before the next user is dispatched. Since it is assumed that the operator wishes to change the contents of the shared page, not the individually-owned page, the STCP command is not executed.

>Operator Action: If you want to change the contents of the shared segment, use the class A LOCK command with the MAP operand to determine the real address of the page, and then reissue the STCP command with the corrected shared page address. If you want to change the contents of the altered, individually owned page, reissue the STCP command; this time it will be executed.

162E INVALID ECR x - hexdata

>Explanation: The user has specified an extended control register with invalid hexadecimal data. Invalid hexadecimal data in an extended control register can mean that either certain bit combinations not allowed by the architecture have been specified, or addresses have been named that would cause specification or addressing exceptions in the virtual machine.

>User Action: Reissue the command, specifying valid hexadecimal data for the control registers specified.

162W INVALID ECR x - hexdata

>Explanation: The virtual machine is running in extended control mode and an attempt has been made to store a reset value '000000E0' into control register zero (x). The store is completed.

>User Action: Verify your intention to reset control register zero before continuing in extended control mode.

163E STORE EXCEEDS MAXIMUM REGISTER

>Explanation: The STORE command has been specified for registers with a number of operands to be stored in contiguous registers, and the number of operands specified would place the store beyond the valid register range.

>System Action: The system has stored up to and including the maximum register allowed for the store function.

>User Action: Verify that the STORE command was entered correctly and that the beginning register was correctly specified. If they were not, reissue the STORE command, specifying the correct registers and operands.

164E HEXLOC hexloc NON-ADDRESSABLE STORAGE

>Explanation: The hexadecimal address specified with the command lies within a nonaddressable storage range. Nonaddressable storage is storage created by named systems such as VSAM.

>User Action: Reissue the command, specifying a valid hexadecimal address.

165I PAGE hexloc NOT LOCKED; SHARED PAGE

>Explanation: The page user at hexadecimal location "hexloc" cannot be locked because it is a shared page.

>System Action: The system skips this page and continues to lock any remaining unshared pages in the range specified in the LOCK command.

>User Action: If more pages are to be locked, the user must reissue the LOCK command specifying unshared pages.

166E CHANGED SHARED PAGE NOT WRITTEN TO AUXILIARY STORAGE

>Explanation: The store into a shared page has been made, but a copy of the change has not been written to backup storage. The recompute bit is on and no page slot is available. The change may be lost if it is assigned later as a private page.

User Action: Provide more paging space.

170E SYSTEM name EXCEEDS STORAGE

Explanation: If this message was issued in response to the SAVESYS, or IPL command, the system name specified uses a virtual storage size larger than that defined for the virtual machine. (For Basic System Extensions, this message is applicable for SET VMSAVE command.)

If this message was issued in response to a NETWORK command, the specified 3704/3705 control program is larger than the 3704/3705 storage (as specified by the RDEVICE macro), and the control program image cannot be loaded into the specified 3704/3705.

User Action: For any of the above commands, reissue the command, specifying a system name that will fit within the virtual machine storage size. Or redefine the virtual machine storage size using the DEFINE command, and then reissue the command.

For NETWORK, reissue the command specifying another control program that will fit in the 3704/3705.

171E SYSTEM name VOLID volid NOT MOUNTED

Explanation: If this message was issued in response to the SAVESYS (or Basic System Extensions SET VMSAVE) command, the system name cannot be saved because it requires a volume that is not mounted. This may be the volume on which the named system was to be saved or the volume that the saved system needs in order to properly execute once loaded.

If this message was issued in response to the IPL command, the system name cannot be loaded because it requires a volume that is not mounted. This may be the volume that contains the saved system, or the volume that the saved system needs in order to properly execute once loaded.

If this message was issued in response to the SAVENCP command, the volume specified by SYSVOL in the NAMENCP macro in DMKSNT is not currently available to the VM/370 system.

If this message was issued in response to a NETWORK command, the Network Control Program cannot be loaded because the volume on which it resides is not mounted.

User Action: Send a message to the system operator stating which volume is not mounted, and request that he mount the desired volume and attach it to the system. Reissue the command once the operator has verified that the correct volume is mounted and attached.

172E SYSTEM name DASD vaddr INCOMPATIBLE SYSRES

Explanation: The system name specified cannot be saved or loaded (via IPL) because the direct access storage device address within the virtual machine's configuration does not match the DASD address and location specified in the name table of the CP system.

User Action: No action can be directly taken by the user. Verify that the system name you are trying to save or IPL contains the correct virtual device address and that that virtual device address matches the extent on the required owned volume for that system.

173E SYSTEM name REQUIRES DASD vaddr

Explanation: The system name specified with a SAVESYS or IPL command requires that the virtual machine be using a direct access storage device with the specified virtual address.

User Action: In the virtual machine configuration, define the required DASD address. Then reissue the command, specifying the correct system name.

174E PAGING I/O ERROR; IPL FAILED

Explanation: An I/O error occurred while attempting to read a page from a direct access storage device.

User Action: Reissue the IPL command. If the failure persists, notify the system operator.

175E {FAVORED|RESERVED|NETWORK TRACE} ALREADY IN USE BY userid

- - - (Basic System Extensions) - - -

175E {FAVORED|RESERVED|NETWORK TRACE|name} ALREADY IN USE BY userid

- - - - - - - - - - - - - - - - - - -

Explanation: The FAVORED or RESERVED operand specified in the SET command, or the NETWORK TRACE facilities specified in the NETWORK command, cannot be applied to the specified user because that function is already in use by the userid identified in the error message.

User Action: For DMKCFS, FAVORED or RESERVED turn off the FAVORED or RESERVED operand for the user specified in the error message, and reissue the SET command specifying the new userid for the desired function.

For DMKNES, reissue the NETWORK TRACE command after the identified user has completed his tracing and has issued the command NETWORK TRACE END.

(For Basic System Extensions: for name, the
VMSAVE area named is in use. Send a
message to the other user asking him to
release the area or issue the QUERY VMSAVE
command to find out if any other areas are
available.)

176E VIRT=REAL AREA IN USE BY userid

Explanation: The UNLOCK VIRT=REAL function
could not be executed because the given
userid is logged on and occupying the
virtual=real area.

User Action: Request that the user log off,
or force the user to log off, and then
reissue the command specifying the
virtual=real area.

177E PARM EXCEEDS 64 CHARACTERS

Explanation: There are more than 64
characters in the PARM field being passed
to the virtual system by the IPL command.

User Action: Reissue the command with no
more than 64 characters in the PARM field.

178E SYSTEM name EXCEEDS AVAILABLE DASD SPACE

Explanation: The amount of DASD space
reserved by the NAMENCP macro is
insufficient to contain both the 3704/3705
control program image and the system
control information.

User Action: Increase the amount of DASD
space reserved by the NAMENCP macro, and
reissue the command. Verify that the extra
pages required for the system control
information were included when the DASD
space was assigned.

179E SYSTEM name VOLID volid NOT CP OWNED

Explanation: The DASD volume specified by
SYSVOL in the NAMENCP or NAMESYS macro is
currently attached to the VM/370 system,
but it is not a CP-owned volume, and
therefore is not a valid residence volume
for the saved system image.

User Action: Ensure that the correct DASD
volid was specified in the NAMENCP or
NAMESYS macro in DMKSNT, and that the
physical DASD volume mounted is the correct
volume. Verify that the specified volid is
included in the SYSOWN macro in DMKSYS, and
reissue the SAVENCP diagnose or the SAVESYS
command.

180W TRACE NOT IN EFFECT

Explanation: The TRACE END function has
been specified and the TRACE function was
not in effect.

User Action: This is a warning message for
information only and no further action is
required.

**181E SHARED SYSTEM name REPLACED WITH NON-SHARED
COPY**

Explanation: The virtual machine has issued
the CP commands STORE, ADSTOP or TRACE and
the address targeted by the command is
referencing a shared named system page.
The shared named system is released and a
replacement of the named system is made
with a nonshared copy.

User Action: The virtual machine continues
to run but is now running the shared named
system in nonshared mode. The user should
be aware that total system efficiency
decreases as the number of users running
with nonshared copies of a shared named
system increases. When the user no longer
needs his own copy of a nonshared system he
should attempt to replace it with a shared
copy. In most instances this would mean
reload (via IPL) of the shared named
system.

182E (reserved for IBM use)

183E VM ASSIST NOT ACTIVE

Explanation: A SET ASSIST ON or a SET
ASSIST SVC command was issued. However,
the operator deactivated the assist feature
for the whole machine. On an Attached
Processor system, this message indicates
that the assist is not active on any
processor, unless the user has affinity set
on. If the user has affinity set on, then
the message describes the state of the
assist for the affinity processor only.

System Action: The user description is
updated to use the assist feature when the
operator activates it for the system.

User Action: None.

**184E VM ASSIST NOT AVAILABLE {ON PROCESSOR proc
addr}**

Explanation: A SET ASSIST or a SET SASSIST
command was issued but the VM/370 hardware
assist feature is not available on the
indicated processor address. In an
Attached Processor system, the response
with an optional parameter indicates the
assist is not available on either
processor. The optional parameter is
provided for the SET ASSIST command only if
the user has affinity set on, and the
assist feature is not available on the
affinity processor.

System Action: If the assist feature is not
available on any processor, execution of
the command is terminated. If the assist

DMK

feature is available on the other
processor, the user VMBLOK is updated to
use the assist feature when the user resets
his affinity.

User Action: None.

185E ECPS LEVEL xx DOES NOT MATCH CP LEVEL yy

Explanation: When VM/370 was loaded, VM/370
detected a mismatch between the hardware
assist level and the software. Errors
might result if the CP assist or the
extended virtual machine assist feature
were used.

System Action: CP assist is set
unavailable.

User Action: Update the processor or
software support to an equivalent level.

186E CP ASSIST NOT AVAILABLE

Explanation: A SET CPASSIST command was
issued but Extended Control-Program Support
is not available on the processor, or there
is a mismatch between the hardware assist
level and the software.

User Action: None.

187E TIMER ASSIST NOT AVAILABLE

Explanation: A SET ASSIST TMR command was
issued on a processor that does not have
VM/370 Extended Control-Program Support, or
on a CPU on which virtual machine assist
has been temporarily disabled by the
operator.

System Action: If the processor does not
have this support, no further action is
taken. If the support is disabled, the bit
VMFVTMR is set, so that if the support is
enabled at a later time the timer assist
will be used (provided the user has issued
SET TIMER ON or SET TIMER REAL and does not
have TRACE EXT active).

User Action: None.

188E SPECIFIED PROCESSOR UNAVAILABLE

Explanation: A processor address specified
on the SET command for SET AFFINITY or SET
ASSIST is unavailable. If the command
issued was SET AFFINITY ON, the processor
in the user directory entry is not
available.

System Action: System operation continues.

User Action: None.

189I AFFINITY NOT SET; SYSTEM IN UNIPROCESSOR
MODE

Explanation: The requested processor is in
use. Since only one processor is being
used, the requestor is always executed on
that processor.

User Action: None.

190I NO AFFINITY SPECIFIED IN THE DIRECTORY

Explanation: The SET AFFINITY ON command
could not be executed. The user's
directory was checked and no affinity
specification was found. No affinity was
set for the user.

User Action: Reissue the command with an
explicit processor address, or update the
directory entry for the user to include
AFFINITY.

191E PROCESSOR nn DOES NOT EXIST

Explanation: Numerous attempts were made to
bring processor nn online and it was found
that processor nn was not available to the
system.

System Action: The command is not
processed.

Operator Action: Reissue the command with
the required processor number.

192E VARY PROCESSOR COMMAND FAILED

Explanation:

1. A VARY PROCESSOR OFFLINE command was
   issued and:

   a. the system is in uniprocessor mode,
      or

   b. the processor is not online, or

   c. the processor is the main processor.

2. A VARY PROCESSOR ONLINE command was
   issued and:

   a. the system is not generated for
      attached processor mode, or

   b. the multiprocessor feature is not
      installed, or

   c. the system is already in attached
      processor mode.

System Action: The command is not
processed.

Operator Action: None.

193I PROCESSOR nn ONLINE

> Explanation: The specified processor is now online and operational.
>
> System Action: None.
>
> Operator Action: None.

194I PROCESSOR nn OFFLINE

> Explanation: The specified processor is now offline and not being used.
>
> System Action: None.
>
> Operator Action: None.

- - - (System Extensions) - - -

195A 370E FEATURE UNAVAILABLE ON PROCESSOR nn

> Explanation: Processor nn has been varied online. (The system has gone from attached processor mode to uniprocessor mode.) The attached processor does not have the 370E hardware feature.
>
> System Action: The user is placed in console function mode.
>
> User Action: If the 370E feature is needed, a class A user should do the following:
>
> a. Issue the QUERY PROC command to obtain the addresses of the processors online.
> b. Set affinity to the processor with the 370E feature (the address appearing first in the QUERY PROC response).
> c. Key in "begin" to continue.
>
> All other users should notify the system operator if the 370E feature is still needed. Otherwise, key in "begin" to continue.

- - - - - - - - - - - - - - - -

200E VIRT=REAL AREA NOT AVAILABLE; IN USE BY {userid|SYSTEM}

> Explanation: The virtual=real (V=R) area is not available to the user logging on because another user (identified in the error message), or the system, already has that area. The user logging on is permitted to run as a virtual machine without the use of the virtual=real area.
>
> User Action: If the priority of the user logging on warrants the use of the V=R area, the user now occupying the area should log off. The user logging on can then get the virtual=real area by LOGOFF and LOGON or by issuing the DEFINE STORAGE nnnnnk command. However, if the area is in use by SYSTEM, the V=R area has been unlocked and is unavailable for V=R use until VM/370 is reloaded.

201E VIRT=REAL AREA NOT AVAILABLE; DAMAGED PAGES

> Explanation: The virtual=real area is not available to the user logging on. Machine checks have occurred which identified damaged pages within the V=R area. The user logging on is permitted to run as a standard virtual machine without the use of the virtual=real area.
>
> User Action: Notify the system operator that this message has occurred. The system operator can issue the UNLOCK VIRT=REAL command so that CP can use the area for paging, or he can issue the SHUTDOWN command to allow users with the virtual=real option to reclaim the area.
>
> Note: System support personnel should be notified that machine check record(s) have been recorded that identify the system's hardware malfunction.

202E VIRT=REAL AREA NOT AVAILABLE; INSUFFICIENT STORAGE

> Explanation: The virtual=real area is not available to the user logging on because:
>
> • The virtual=real area was not generated at system generation time, or
>
> • The virtual=real area is not large enough to contain the virtual machine size defined in the directory for the user logging on.
>
> User Action: If the virtual=real area was not generated, no action can be taken. Otherwise, issue the DEFINE STORAGE command to redefine the virtual machine storage size equal to or smaller than the actual virtual=real size that was generated.

203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS

> Explanation: A shared system or one that uses discontiguous saved segments cannot be loaded (via IPL) into a virtual machine running in the virtual=real area. This message is also issued if you issue a Diagnose code X'64' to attach a discontiguous shared segment to a virtual=real machine.
>
> System Action: None.
>
> User Action: Reissue the IPL command, specifying the address of the device on which a nonshared version of the system resides.

204E INVALID PAGE(S) SPECIFIED, V=R AREA

> Explanation: The user is attempting to use the UNLOCK command to unlock pages that are within the V=R region.

System Action: Execution of the command is terminated.

User Action: Reissue the UNLOCK command with the VIRT=REAL operand or specify pages not within the V=R region.

211E MONITOR TAPE IS ALREADY ACTIVE

Explanation: The MONITOR START TAPE command was issued while monitor data collection was already active.

System Action: Processing continues.

User Action: None required; the Monitor is already active.

212E MONITOR TAPE IS NOT ACTIVE

Explanation: The MONITOR STOP TAPE command was issued while monitor data collection was not active.

System Action: Processing continues.

User Action: None required.

213E MONITOR CPTRACE IS ALREADY ACTIVE

Explanation: The MONITOR START CPTRACE command was issued while the internal trace table was already active.

System Action: Processing continues.

User Action: None required.

214E MONITOR CPTRACE IS NOT ACTIVE

Explanation: The MONITOR STOP CPTRACE command was issued when the internal trace table was not active.

System Action: None.

User Action: None required.

215E MONITOR ACTIVE, DASTAP CANNOT BE ENABLED DYNAMICALLY

Explanation: The MONITOR ENABLE command was issued with the DASTAP class when monitor data collection was active.

System Action: None.

User Action: The DASTAP class cannot be enabled dynamically. If the DASTAP class is required, stop the monitor, enable the DASTAP class, and then restart the monitor. Otherwise, reissue the command without the DASTAP class.

216E SYSPROF CLASS REQUIRES SCHEDULE AND DASTAP

Explanation: The MONITOR ENABLE command was issued with the SYSPROF class, but without the SCHEDULE and DASTAP classes.

System Action: None.

User Action: Both the SCHEDULE and DASTAP classes must be specified with the SYSPROF class.

217E MONITOR TAPE NOT STARTED, NO CLASS ENABLED

Explanation: A MONITOR START TAPE command was issued when no classes of data collection were enabled.

System Action: The data collection process is not started.

User Action: Issue the MONITOR ENABLE command specifying the desired class or classes, and then reissue the MONITOR START TAPE command.

218E MONITOR NOT STOPPED, OUTSTANDING TAPE I/O

Explanation: A MONITOR STOP TAPE command was issued when the data collector was attempting to recover from an I/O error or was handling an end-of-tape condition.

System Action: The command is rejected; however, the monitor tape is stopped by the system because of either the tape I/O error or the end-of-tape condition.

User Action: None required.

219I END OF MONITOR TAPE, MONITOR STOPPED BY SYSTEM

Explanation: An end-of-tape condition has occurred on the monitor tape.

System Action: Two tape marks are written, the tape is rewound and unloaded, and the tape drive is released. Data collection stops and all classes are disabled.

Operator Action: If you are not the user who issued the MONITOR command, consult with the person who did. The user may want to mount another tape. If so, reissue the MONITOR ENABLE and MONITOR START TAPE commands.

Routing: To primary system operator.

220I ERROR ON MONITOR TAPE, MONITOR STOPPED BY SYSTEM

Explanation: An uncorrectable I/O error occurred on tape during data collection.

System Action: An attempt is made to write a tape mark. The tape is released and data collection stops.

Operator Action: If you are not the user who issued the MONITOR START command, consult with the person who did. The user will probably want to mount another tape. If so, reissue the MONITOR ENABLE and MONITOR START TAPE commands.

Routing: To primary system operator.

221E MONITOR TO SPOOL IS ALREADY ACTIVE

Explanation: A MONITOR START SPOOL command was issued when the monitor was already running. It may have started automatically according to the SYSMON macro specifications in DMKSYS.

System Action: None.

User Action: Review the current automatic monitoring specifications in DMKSYS as defined by the SYSMON macro and make sure that they still meet the daily monitoring needs.

222E TIME PARAMETER SPECIFIES INVALID TIME

Explanation: A MONITOR TIME command was issued when the specified start or stop time did not conform to the required syntax.

Note: The stop time cannot be later than midnight.

System Action: MONITOR automatic start and stop times remain unchanged.

User Action: Review format of MONITOR TIME command.

223E START TIME MUST PRECEDE STOP TIME

Explanation: The format of the start and stop times, as issued in a MONITOR TIME command, was correct. However, the start time was not earlier than the stop time.

Note: Stop time cannot be later than midnight.

System Action: Monitor automatic start and stop times remain the same.

User Action: Reissue the command.

224E LIMIT MUST BE BETWEEN 10 and 50000

Explanation: A MONITOR LIMIT command was issued specifying a spool file maximum record count that was not within the allowed range.

System Action: Monitor automatic spool file record count limit remains unchanged.

User Action: Reissue the command with the correct LIMIT specification.

225E INVALID MONITOR USERID SPECIFIED, MON NOT STARTED

Explanation: A MONITOR START SPOOL command was issued using the TO USERID option. However, the specified user was not in the directory.

System Action: The automatic monitoring recipient userid specification is unchanged and the monitor is not started.

User Action: Reissue the command using a valid USERID.

226E FOR VALUE SPANS MIDNIGHT - COMMAND INVALID

Explanation: A MONITOR TIME FOR command was issued specifying a period of data collection that, when added to the current time, will exceed midnight.

System Action: The automatic monitoring start and stop times remain unchanged.

User Action: Reissue the command with a smaller FOR specification, or manually start and stop the monitor as needed.

227E FOR OPTION INVALID WITH AUTODISK OFF

Explanation: The MONITOR TIME FOR command assumes that automatic monitoring is in effect. (AUTO=YES has been specified in the SYSMON macro or the MONITOR AUTODISK ON command has been issued.)

System Action: The TIME specification is ignored and the automatic monitoring start and stop commands remain unchanged.

User Action: Issue a MONITOR TIME command and reissue the MONITOR TIME FOR command.

228E FOR OPTION INVALID WITH MONITOR ON

Explanation: If monitoring is currently active, data has already been collected for some time. The MONITOR TIME FOR command in effect says monitoring should be started now and run for the specified time. Therefore, the use of the FOR option when monitoring is already active would give performance data for an unexpected period of time.

System Action: Monitoring status is unchanged.

User Action: Review your monitoring needs and resolve the conflicts in your previous specifications.

229E MONITOR OUT OF DASD PAGES, IS SHUTTING OFF

Explanation: Monitor cannot continue monitoring due to lack of spool file space where monitor data would be placed.

System Action: Monitor is shut off.

User Action: Free needed spool file space and restart monitor.

230E IPL SIO ERROR

Explanation: The START I/O instruction for the initial IPL sequence to the specified device received an unexpected condition code, so the device could not be properly started for the IPL.

User Action: Verify that the device type is valid for an IPL simulation and that no unexpected status conditions exist in the device, and reissue the IPL command.

231E IPL TIO ERROR

Explanation: The IPL simulator encountered an unexpected condition code when executing a TEST I/O instruction on the specified virtual device.

User Action: Verify that the device is valid for IPL operation and that no unexpected status conditions exist in the device, and reissue the IPL command.

232E IPL UNIT ERROR; CSW csw SNS sense

Explanation: During the IPL simulation process, the specified IPL device received an I/O interrupt with a unit check condition.

User Action: Examine the CSW and sense bytes to determine the possible cause of the simulation failure. If no equipment checks are present, reissue the IPL command to the specified device.

233E IPL OVERLAY ERROR

Explanation: The IPL simulator was about to perform a loading sequence that would have overlaid the simulator itself. In this particular case, the IPL simulator cannot function in the specified virtual machine at its current storage size.

User Action: Increase the size of the virtual machine so that the IPL simulator will load in an area where it will not be overlaid. Then reissue the IPL command.

234E IPL SENSE ERROR

Explanation: A unit check occurred on the IPL device. A SENSE operation was used to get the sense bytes and an unusual condition occurred.

User Action: Verify that the device is not malfunctioning and then reissue the IPL command for the required device.

240E PRT xxx, FCB-FORMS MISMATCH, FILEID nnnn {HELD|PURGED}

Explanation: There is a mismatch between the forms control buffer (FCB) and the forms in the 3800 printer.

System Action: Printing is held or suspended. The file is held or purged.

User Action: If held, specify correct FCB and release the HOLD on the file. If the file is purged, reenter the correct matching information.

241E PRT xxx, INVALID LOAD MODULE mmmm SPECIFIED, FILE nnnn {HELD|PURGED}

Explanation: An invalid load module has been specified and the 3800 printer file is either HELD, PURGED, or remains in the same HOLD status it had before printing was attempted.

System Action: Printing is held and the file is either held or purged.

Operator Action: If HELD was indicated, specify correct load module and release the user HOLD on the given spool file. If either HELD or PURGED was not indicated, the load module specified for the separator page is invalid and remains the same. Specify the correct load module (via the CHARS parameter on the START command) for the separator page.

242I PRT xxx (3800) INTERVENTION REQD, STATUS CODE cc

Explanation: This message includes all situations where the operator must intervene in the 3800's operation. These situations include, but are not limited to the following:

- End of forms
- Stacker full
- Toner supply empty
- Replace developer

All relevant status codes are described in the 3800 Reference Manual, GA26-1635.

System Action: Printing is suspended.

Operator Action: Correct the printer condition by examining the status code or indicators on the printer. Correct the condition and press the START button on the printer.

243E FLASH MISSING OR INVALID

Explanation: For 3800 printer operations, the FLASH operand in the CP SPOOL or CHANGE command is missing or invalid.

System Action: None.

User Action: Reissue the command with a valid FLASH specification.

244E IMAGE LIBRARY MISSING OR INVALID

Explanation: For 3800 printer operations, the IMAGE operand in the START command is missing or invalid.

System Action: None.

User Action: Reissue the command with a valid IMAGE specification.

245E CHARS MISSING OR INVALID

Explanation For 3800 printer operations, the CHARS operand in the CP SPOOL, CHANGE, or START command is missing or invalid.

System Action: None.

User Action: Reissue the command with a valid CHARS specification.

246E FCB MISSING OR INVALID

Explanation: For 3800 printer operations, the FCB operand in the CP SPOOL, CHANGE, or START command is missing or invalid.

System Action: None.

User Action: Reissue the command with a valid FCB specification.

247I 3800 NAMED SYSTEM imag3800 CREATED

Explanation: The data has been successfully placed in the specified image library.

System Action: None.

User Action: None.

248E SPECIFIED IMAGE imag NON-EXISTENT

Explanation: The specified 'image TEXT' file was not found.

System Action: None.

User Action: Correct the erroneous 'image TEXT' file and reissue the command.

249E ERROR LOADING IMAGE imag

Explanation: The 'imag TEXT' file caused a LOAD error.

System Action: None.

User Action: Correct the problem that caused the LOAD error and reissue the command.

- - - (System Extensions) - - -

250E 370E IS NOT AVAILABLE (ON PROC xx)

Explanation: System/370 Extended feature or the Extended facility is not installed on the processor.

- The 370E parameter was indicated in the user's directory via an OPTION control statement.

- A SET S370E ON command was issued.

- A SET 370E ON command was issued.

System Action: Normal processing continues.

User Action: None.

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- - - (System Extensions) - - -

251E 370E IS NOT ACTIVE

Explanation: The System/370 Extended feature of the Extended facility feature is installed on the processor. However, the 370E feature is not enabled for virtual machines.

System Action: The feature is enabled for the virtual machine. However, CP will not support 370E until a SET S370E ON command is issued.

User Action: Notify a class A user in order that a SET S370E ON command can be issued

- - - - - - - - - - - - - - - -

252I PRT xxx, FILE nnnn REQUEUED AND HELD

Explanation: This message is preceded by message DMKRSE255I and information from DMKRSE255E must be used by this message.

System Action: Printing is suspended.

Operator Action: Using the backup page count given in message DMKRSE255I and the size of the files just requeued, determine how much to backspace the current file: use the BACKSPACE command to do this. Also, determine whether or not to replace the requeued files for printing. The BACKSPACE command, with the EOF option, can be used to reprint the end of any requeued file. Issue the CP START command to reinitiate printing operations.

253E MODIFY MISSING OR INVALID

Explanation: For 3800 printer operations, the MODIFY operand in the CP SPOOL, CHANGE, or PURGE command line is missing or invalid.

System Action: None.

User Action: Reissue the command with a valid MODIFY specification.

254E ERROR SAVING image 3800 - RC = (rc)

Explanation: An error occurred while saving the named system.

Code	Reason
4	The named system was not found.
8	The named system is currently active.
12	The volume for the named system is not CP-owned.
16	The volid is not mounted.
20	The size of the imagelib being generated is too large for the named system.
24	A paging error occurred while processing this request.

System Action: None.

User Action:

Code	Explanation
4	Use another named system that has been generated.
8	DRAIN any 3800 printers that are using the named system and reissue the command.
12	Check with the installation manager to find out why the volume is not CP-owned.

Code	Explanation
16	Have the correct volid mounted and reissue the command.
20	Make the image smaller or put it into a larger named system.
24	Check the named system to determine that it is defined in DMKSNT and that the cylinder actually exists on the volume. Also verify, that it has been previously formatted by CP. Reissue the command. If the problem persists, see your IBM support personnel.

255I PRT xxx, PAGE BUFFER DESTROYED, BACKUP PAGE COUNT = nnnn

Explanation: The page buffer has been destroyed on the 3800 printer.

System Action: Printing is suspended.

Operator Action: See message DMKRSE252I.

- - - (System Extensions) - - -

255W 370E FEATURE NOW DISABLED

Explanation: A class A user has issued a SET 370E OFF command to disable the 370E feature, or the system operator has varied the processor with the 370E feature offline.

System Action: All 370E users will enter console function mode on receipt of the message.

User Action: Await availability of the 370E feature. Attempts to continue will result in the user being dispatched without the 370E capability.

Note: If the 370E feature is no longer needed, key in "begin" to continue.

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256E INSUFFICIENT VIRTUAL STORAGE

Explanation: The defined virtual storage is insufficient.

System Action: None.

User Action: Define a larger virtual machine, IPL CMS again and reissue the command.

257E RESIDUAL BYTE COUNT = nnnnnnnn (HEX)

Explanation: This message is preceded by message DMKNMT254E and is issued when the return code in message DMKNMT254E equals 20.

System Action: None.

User Action: Either define the named system with a larger byte count or decrease the imagelib byte count.

300E SAVE REQUEST BEYOND VIRTUAL MACHINE SIZE

Explanation: When the SAVESYS command was issued, one or more designated saved pages were in the SYSPGNM operand of the NAMESYS macro. These pages are beyond the size of the virtual machine used.

User Action: Check the numbers of the pages designated to be saved in the NAMESYS macro. If they are correct, increase the size of the virtual machine before reissuing the SAVESYS command.

310E DATE date INVALID; NOT CHANGED

> **Explanation:** The system date in CP low storage contains invalid data and hence cannot be updated for the midnight date change. The invalid date indicates a possible software system failure since the date is automatically set by the system initialization routine.
>
> **System Action:** The date in low storage is not changed; however, the day of the week is changed and the clocks are set to change the date at midnight in 24 hours.
>
> **Operator Action:** Contact the system programmer at once. Careful use of the STCP command can correct the date set in storage. Notify IBM software support personnel of the problem and supply a dump of CP storage if possible.

350W DASD raddr SYSRES VOLID NOT volid

> **Explanation:** The volume label on the pack mounted on drive raddr does not agree with the volume label specified during system generation.
>
> **System Action:** The system enters a wait state (wait state code = 010).
>
> **User Action:** Check the SYSRES macro in module DMKSYS to ensure that the disk address and volume label specified are valid.
>
> **Operator Action:** Ensure that the correct volume is mounted on disk drive raddr and present an external interrupt to initiate a retry of the operation.

351W DASD raddr SYSRES NOT READY

> **Explanation:** The disk drive specified by raddr is not ready. Disk raddr was specified as the SYSRES device in the SYSRES macro in module DMKSYS.
>
> **System Action:** The system enters a wait state (wait state code = 010).
>
> **Operator Action:** Make the device ready and present an external interrupt to initiate a retry of the operation.

352W FATAL DASD I/O ERROR

> **Explanation:** The system nucleus cannot be written. Probable causes are:
>
> - The disk pack is not formatted properly.
> - The disk pack is defective.
> - A disk hardware error has occurred.
>
> **System Action:** The system enters a wait state (wait state code = 011).

> **Operator Action:** Use the FORMAT program to reformat the pack. Attempt to do a new system load. If the trouble persists, try another pack on a different drive. If the trouble still persists, call IBM for hardware support.

353W SYSRES DEVICE TYPE INVALID

> **Explanation:** The device type specified in the SYSRES macro in module DMKSYS is not valid for system residence.
>
> **System Action:** The system enters a wait state (wait state code = 011).

R0	Contains address of device in error
R1-R2	Contains error CSW
R3	Base address for DMKSAV
R4	Address of first CCW

- - - (Basic System Extensions) - - -

R5-R10	Up to 24 bytes of sense information
R13	Address of BBCCHHR (count-key-data), or locate data (FB-512)
R14-R15	Contains BBCCHHR (count-key-data), or locate data (FB-512)

- - - - - - - - - - - - - - - - - - -

> **User Action:** Verify that the operands specified in the SYSRES macro in module DMKSYS define valid system residence device characteristics.

400I SYSTEM {TEMP SPACE|CHECKPOINT AREA} FULL

> **Explanation:** All temporary disk space (TEMP SPACE) or checkpoint space (CHECKPOINT AREA) is in use.
>
> **System Action:** If temporary disk space is full, the system attempts to continue but performance is severely degraded.
>
> If the checkpoint area is full, the system continues without checkpointing. This improves performance, but if the system abends, spool files are lost. Message DMKCKS919E is issued after DMKCKS400I.
>
> **Operator Action:** Review system usage and take steps to reduce the system load. Spool files should be reviewed. Additional printers may be started to reduce print spool backlog; if a reader backlog exists, users should be requested to read their files. In addition, you may be able to determine other spool files that can be selectively purged. Logging off inactive users reduces temporary disk space usage.

401I SYSTEM {TEMP SPACE|CHECKPOINT AREA} 90 PERCENT FULL

> Explanation: Ninety percent of all temporary disk space (TEMP SPACE) or checkpoint space (CHECKPOINT AREA) is in use.

> System Action: System operation continues.

> Operator Action: Review system usage and take steps to reduce the system load. Spool files should be reviewed. Additional printers may be started to reduce print spool backlog. If a reader backlog exists, users should be requested to read their files. In addition, you may be able to determine other spool files that can be selectively purged. Logging off inactive users reduces space usage.

410W CP ENTERED; PAGING ERROR

> Explanation: An I/O error occurred during paging. Probable hardware error.

> System Action: System operation continues. The virtual machine enters CP command mode. If the virtual machine was running disconnected, it is logged off the system.

> User Action: Reload the virtual system to continue. If the problem persists, notify the system operator.

415E CONTINUOUS PAGING ERRORS FROM DASD xxx

> Explanation: Unrecoverable errors are being received from the paging device (xxx). This condition is caused by failure of either the paging volume or the paging device. This condition can occur if the paging volume has not been formatted properly.

> System Action: The system enters a disabled wait state (wait state code = 00F).

> Operator Action: Try to determine whether the errors are being caused by the paging device or by the paging volume. If the device is failing, disable it and reload (via IPL) the system; call IBM for hardware support. If the volume is failing, try reformatting it. If the error condition recurs, discontinue using that volume and call your system support personnel.

424E RDR FILE SPOOL ERROR; FILE UNCHANGED

> Explanation: A paging I/O error occurred while reading or writing a spool file record on a CP spooling device, for the purpose of querying or updating TAG information associated with that spool file.

> System Action: If the error was encountered while reading, no change has resulted from the user's previous TAG command. If the error was encountered while writing, the results are unpredictable.

> User Action: Reissue the command. If the problem persists, regenerate the spool file that is in error or call your system support personnel.

425A PUN cuu ACCOUNTING DATA; FATAL I/O ERROR

> Explanation: An unrecoverable input/output error occurred on the card punch at real address cuu. Accounting data was saved.

> System Action: The failing device is varied offline and system operation continues.

> Operator Action: Vary the device cuu online and restart the punch. If the problem persists, contact IBM for hardware support.

- - - (Basic System Extensions) - - -

425E I/O ERROR DURING ACCOUNTING

> Explanation: A spooling I/O error occurred while the system was writing accounting data to the spooling device.

> System Action: If the accounting spool file has been previously checkpointed, the file is closed and a new file started. Otherwise, the file is written using a different spool page.

> User Action: The closed accounting spool file should be processed. If the I/O error persists, call your system support personnel.

- - - - - - - - - - - - - - - - - - -

426E RDR raddr SPOOL SPACE FULL; FILE PURGED

- - - (Basic System Extensions) - - -

426E {RDR|TAPE} raddr SPOOL SPACE FULL; FILE PURGED

- - - - - - - - - - - - - - - - - - -

> Explanation: System input spooling space for the reader or tape at real device address raddr is full.

> System Action: The file just read is purged and system operation continues.

> Operator Action: Review system usage and take steps to reduce the system load. Inactive users should be logged off the system. Spool files should be reviewed. Additional printers may be started to reduce print spool backlog. If a reader backlog exists, request that users read their files. In addition, you may be able to determine other spool files that can be selectively purged. After reducing spool file usage, read the file again.

427I {CON|PRT|PUN} vaddr SYSTEM SPOOL SPACE
FULL; FILE CLOSED

Explanation: System spooling space on the
device at virtual device address vaddr is
full. If the message refers to the
console, the console spool file has been
closed. If it refers to the printer or
punch, the printer or punch output file has
been closed.

System Action: If the console spool file is
closed, virtual console spooling stops. The
virtual machine continues to execute but
without console spooling.

If the printer or punch output file is
closed, an intervention-required unit check
condition is returned to the virtual
machine, the virtual device is made not
ready, and the system continues.

User Action: Inform the system operator. An
attempt must be made to reduce the paging
and spooling load on the system as soon as
possible. When spool space is available,
issue the SPOOL CONSOLE START command to
resume console spooling, or issue the READY
command to resume printer or punch
spooling.

428E {PRT|PUN|RDR} raddr SPOOL ERROR; FILE
{HELD|PURGED}

- - - (Basic System Extensions) - - -

428E {PRT|PUN|RDR|TAPE} raddr SPOOL ERROR; FILE
{HELD|PURGED}

- - - - - - - - - - - - - - - - - -

Explanation: A paging I/O error occurred on
the device at real address raddr.

System Action: If the file that was being
processed at the time the I/O error
occurred is a printer or punch file, the
file is put in HOLD status and system
operation continues.

If the file is a reader file, it is purged.

Operator Action: If the file is a printer
or punch file, try to print or punch it
again when spooling activity on the printer
or punch is low. The system operator must
first take the file out of HOLD status.

If the file is a reader file, reload the
file in the reader and retry.

If the file is a tape file, reposition the
tape and reissue the command.

If the problem persists, call your system
support personnel.

429I {CON|PRT|PUN|RDR} vaddr SPOOL ERROR; FILE
{HELD|PURGED}

Explanation: A paging I/O error occurred on
the device at virtual address vaddr.

System Action: If it is a console spool
file error, virtual console spooling stops.
The virtual machine continues to execute
but without console spooling.

If it is a printer or punch spool file
error, a unit check condition is sent to
the virtual machine to stop the write
operation, the file is purged, and the
virtual device is made not ready.

If it is a reader file spool error, a unit
check condition is sent to the virtual
machine to stop the read operation. The
file is held. System operation then
continues.

User Action: For a console file, issue a
SPOOL CONSOLE START command and retry the
output operation. After ten unsuccessful
retries, the entire opened spool file is
purged.

For a printer or punch file, issue the
READY command to the virtual device and
retry the output operation.

For a reader file, try again to read the
file.

In any case, if the problem persists,
inform the system operator of the incident.
The error is probably due to a hardware
malfunction. The system operator may advise
you to purge the file or may decide to turn
the machine over to your system support
personnel, depending on the impact of the
problem.

430A {PRT|PUN} raddr FATAL I/O ERROR; NOW
OFFLINE, FILE HELD

Explanation: An unrecoverable I/O error
occurred on the printer or punch device at
real address raddr.

System Action: The failing device is varied
offline, the file being processed is put in
hold status, and system operation
continues.

Operator Action: Vary the device raddr
online and restart. To process the file
that failed, take the file out of hold
status. If the problem persists, call your
system support personnel.

431A RDR raddr ID CARD MISSING OR INVALID

Explanation: The card just read in the
reader at real device address raddr was not
a valid ID card. Two formats are
acceptable:

• ID userid
• USERID userid

Separator or blank cards are accepted
before an ID card; any other card preceding
the ID card is invalid.

DMK

Operator Action:

- Run out the cards in reader raddr.

- Correct the ID card error.

- Make the reader ready with the corrected deck in the hopper.

432A RDR raddr ID CARD; userid NOT IN CP DIRECTORY

Explanation: The 'userid' specified on an ID card in the reader at real device address raddr is not in the VM/370 directory.

System Action: System operation continues.

Operator Action:

- Run out the cards in reader raddr.

- Correct the ID card error if one is found.

- Make the reader ready with the corrected deck in the hopper.

If the ID card appears valid, check with the system programmer to determine why the userid does not exist in the VM/370 directory.

433A RDR raddr ID CARD; INVALID DATA - data

Explanation: The class specified on the ID card in the reader at real device address raddr is incorrect or the name specified is invalid. The 'data' is the information in error on the ID card. If a class is specified, it must be one character, A through Z or 0 through 9. If no class is specified, the default is A. If a name is specified, it must be a 1- to 8-character filename and a 1- to 8-character filetype, or a 1- to 24-character data set name. The fields of the ID card are free form as follows:

ID userid.. CLASS n NAME filename filetype

System Action: System operation continues.

Operator Action:

- Run out the cards in reader raddr.

- Correct the ID card error.

- Make the reader ready with the corrected deck in the hopper.

434A RDR raddr FATAL I/O ERROR; FILE PURGED

Explanation: An unrecoverable I/O error was encountered on the reader at real device address raddr. The input file was purged.

System Action: System operation continues.

Operator Action:

- Run out the cards in reader raddr.

- Put the cards back in the hopper, making sure the first card is a valid ID card.

- Make the reader ready.

If the problem persists, call your system support personnel.

435E PAGING ERROR WRITING SAVED SYSTEM

Explanation: A paging error occurred while writing the system to be saved, or the 3704/3705 control program image to be saved, to a DASD volume.

System Action: Execution of the command terminates. The system or control program image is not saved.

User Action: Try the command again, since the situation that caused the error may have been temporary. If the problem recurs, check the DASD space allocated to receive the saved system or control program image. This space must be formatted with the CP format program (DMKFMT) and allocated as PERM space.

436E INTERRUPT PENDING. TO PROCEED, TYPE YES. TO END, TYPE NO.

Explanation: In processing the SAVESYS command, the system detected that an I/O interrupt is pending.

System Action: If you enter YES, the SAVESYS command continues to save the system but the pending I/O interrupt(s) are lost. If you enter NO, SAVESYS processing terminates.

User Action: Enter YES or NO.

- - - (Basic System Extensions) - - -

437E NO DASD SPACE AVAILABLE-IPL TERMINATED

Explanation: The IPL command attempted to get a DASD page but none was available.

System Action: The command is terminated.

User Action: Verify that the proper volumes required for paging and spooling are mounted. Reissue the command.

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450W CP ENTERED; DISABLED WAIT PSW 'psw'

Explanation: The virtual machine loaded a disabled wait PSW, identified by 'psw'.

66   IBM VM/370 System Messages

System Action: System operation continues. The virtual machine enters console function mode. If the virtual machine was running disconnected, it is logged off the system.

Programmer Action: Examine the PSW portion of the message. Ensure that the program running in the virtual machine has a valid LPSW halt. If not, determine why the PSW loaded was not masked for interrupts.

User Action: IPL the virtual system again to continue.

452W CP ENTERED; EXTERNAL INTERRUPT LOOP

Explanation: The user's virtual machine external new PSW is enabled for an interrupt condition that will not be cleared upon acceptance. It is possible to receive an interrupt condition from the CPU Timer and the TOD Clock Comparator that produces this loop.

System Action: System operation continues. The virtual machine enters CP command mode. If the virtual machine was running disconnected, it is logged off the system.

Programmer Action: Determine why the external interrupt new PSW is enabled for an interrupt condition that will not be cleared upon acceptance (that is, the Timer is not expected to contain a negative value).

User Action: IPL the virtual system again to continue.

453W CP ENTERED; PROGRAM INTERRUPT LOOP

Explanation: A program interrupt occurred at the address specified in the virtual program new PSW while the virtual machine was in basic control mode.

System Action: System operation continues. The program interrupt is reflected to the virtual machine and the virtual machine enters console function mode. If the virtual machine was running disconnected, it is logged off the system.

Programmer Action: Determine the cause of the program interrupt and ensure that the program new PSW is valid.

User Action: Restart the virtual system via the BEGIN command, or reissue the IPL command to continue.

454I {LINE addr|DEV rid} DISABLED

Explanation: The line or device has been disabled due to a permanent I/O error, or the operator issued a command that disabled the line.

System Action: System operation continues.

Operator Action: If the message was issued due to a permanent I/O error on the line, to reactivate the line issue the ENABLE or NETWORK command. You may have to issue the VARY ONLINE command for some device types before CP will accept the ENABLE command.

455I LINE addr CC=3 NOT OPERATIONAL

Explanation: Condition code 3 (NOT OPERATIONAL) was received when a START I/O was issued to line 'addr'.

System Action: System operation continues.

Operator Action: Verify that the terminal control unit or transmission control unit is enabled for use. If the control unit is properly enabled, but trouble persists, call your system support personnel.

456W CP ENTERED; name - SHARED PAGE hexloc ALTERED

Explanation: The named system has been altered by the virtual machine. The hexloc is the first changed page detected by the control program. The changed page will be returned to free storage. No other users on the system are affected by this error.

User Action: The user may continue by entering the CP command BEGIN. The virtual machine is now operating in nonshared mode.

460E CTLR raddr {LOAD|DUMP} FAILED: PROGRAM CHECK

Explanation: During execution of the loader or dump bootstrap routines in the 3704/3705, a 3704/3705 program check occurred, setting the 'IPL Required' sense bit.

User Action: Reissue the command. If the error persists, notify the system programmer of a possible 3704/3705 problem.

461R CTLR raddr IPL NOT REQUIRED; ENTER 'YES' TO CONTINUE:

Explanation: A NETWORK LOAD command or a NETWORK DUMP command was issued for a 3704/3705 that was not in the 'IPL Required' state.

User Action: Reply YES to continue the load or dump process. Any other response causes immediate command termination.

462I CTLR raddr UNIT CHECK; IPL REQUIRED

Explanation: The 3704 or 3705 at real address raddr has requested a dump or reload by presenting a unit check to the host processor, and the automatic dump and restart facility is currently off.

Operator Action: If the 3704/3705 was active before the failure, issue the NETWORK DUMP command with the IMMED operand to obtain documentation of the failure. Use the NETWORK LOAD command to reload the 3704/3705 with an appropriate 3704/3705 control program. The CMS service program NCPDUMP should be used to print the dump file created by NETWORK DUMP.

463I CTLR raddr UNIT CHECK; RESTART IN PROGRESS

Explanation: The 3704/3705 at real address raddr has requested a dump or reload by presenting a unit check to the host processor, and the automatic dump/restart facility has been initiated.

System Action: If the 3704/3705 was active before the failure, a dump is automatically taken. The 3704/3705 is reloaded (or loaded). Any previously enabled lines or resources are automatically reenabled.

Operator Action: Use the CMS service program NCPDUMP to format and print the 3704/3705 dump if one was created.

When a 3704/3705 Emulation Program is automatically reloaded after a 3704/3705 failure, the system may loop after the restart. The message:

DMKRNH463I CTLR 'raddr' UNIT CHECK;
RESTART IN PROGRESS

and two responses:

CTLR xxx DUMP COMPLETE

CTLR xxx ncpname LOAD COMPLETE

indicate that the 3704/3705 has been reloaded. If the system loops after the second response, you must reset all emulator lines from the 3704/3705 control panel. The IBM 3704 Control Panel Guide, Order No. GA27-3086, and the IBM 3705 Control Panel Guide, Order No. GA27-3087, describe the procedure for resetting emulator lines from the 3704/3705 control panel.

464I CTLR raddr CC=3; DEPRESS 370X "LOAD" BUTTON

Explanation: The 3704 or 3705 at real address raddr has entered the "Hard Stop" condition, indicating a 3704/3705 hardware or software failure.

System Action: None.

Operator Action: Press the LOAD button on the 3704/3705 control panel. This permits execution of the normal VM/370 recovery mechanism.

465I LINE TRACE TERMINATED DUE TO ERROR

Explanation: A NETWORK TRACE command has been issued and errors have occurred during the trace process.

System Action: The trace is terminated.

User Action: Close the virtual printer to get the trace output. Reissue the command if you need more information. If the failure recurs, call IBM for software support.

465W CTLR raddr EMULATOR LINES IN USE BY SYSTEM

Explanation: The operator dedicated the native address of a 3704/3705 running a PEP system, and one or more of the EP lines is in use by VM/370 got logon terminals. raddr is the real address of the 3704/3705.

System Action: The ATTACH command is completed; processing continues.

Operator Action: None is necessary. This message is a warning that the EP lines in use by VM/370 may be affected by the virtual machine to which the 3704/3705 was dedicated.

466I CTLR cuu IN BUFFER SLOWDOWN MODE

Explanation: This message is issued in addition to the response to a QUERY command if the 3704 or 3705 control program has entered buffer slowdown mode. Buffer slowdown mode is entered if the 3704/3705 control program has less than 12-1/2 percent of its buffers available, indicating a temporary overload.

System Action: Processing continues.

User Action: None is necessary; however, if this situation occurs frequently, the storage requirements of the 3704/3705 configuration should be reexamined.

468I CTLR cuu COMMUNICATIONS SCANNER FAILURE

Explanation: During NCP initialization the scanner did not properly enable. The device is left "not ready".

System Action: Processing continues.

469E CTLR raddr {LOAD|DUMP} FAILED: TEMP SPACE NOT AVAILABLE

Explanation: There was not enough temporary space available on the CP system packs to satisfy the spool space request for the 3704/3705 dump processor.

User Action: Ensure that enough temporary CP spool space is available and reissue the DUMP command.

470E CTLR raddr {LOAD|DUMP} FAILED: PAGING I/O
ERROR

Explanation: An unrecoverable I/O error
occurred while reading the page-format
image of the 3704/3705 control program
(LOAD), or while writing the dump spool
file (DUMP) onto a system volume.

User Action: Notify the system programmer
of a possible error on CP paging packs or
DASD device. Reissue the command.

471E CTLR raddr {LOAD|DUMP} FAILED:
UNRECOVERABLE I/O ERROR

Explanation: During execution of NETWORK
LOAD or NETWORK DUMP, a unrecoverable I/O
error occurred on the 3704/3705 channel
adapter.

User Action: Reissue the command. If the
error persists, notify the system
programmer of a possible problem with the
3704/3705 control unit.

475I FATAL IO ERROR TRYING TO READ DIRECTORY

Explanation: The VM/370 directory currently
in use by the system could not be read
because of an unrecoverable input/output
error.

System Action: The system tries to
continue.

Operator Action: Try to rewrite the
directory as soon as possible using the
Directory program (DMKDIR). If the failure
still exists after rewriting the directory,
the area may have to be reformatted using
the Format/Allocate program (DMKFMT).

The error recording area on SYSRES will
contain information on the unrecoverable
read errors.

If the problem persists after the directory
has been reformatted and rewritten, call
your system support personnel.

500I type 'addr' CMD REJECT CMD='cm' SNS='sense'
CSW='csw' USERID= 'userid'
[BBCCHH='bbcchh']

- - - (Basic System Extensions) - - -

500I type 'addr' CMD REJECT CMD='cm' SNS='sense'
CSW='csw' USERID= 'userid'
[{BBCCHH='bbcchh'|BLOCK='nnnnnn'}]

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Explanation: An error recovery routine
found an unrecoverable command reject I/O
error. The "type" in the message indicates
which error recovery routine it was:

Type	Error Recovery Routine
LINE	line
CONS,GRAF	terminal
DASD	disk
PRT,PUN,RDR	spooling
TAPE	tape

The other variables in the message are:

addr   - the unit address of the failing
         device.
sense - the sense bytes, in hexadecimal,
         for the error condition.
cm   - the command code, in hexadecimal,
         of the Channel Command Word (CCW)
         being executed when the error
         occurred.
csw   - the failing channel status word
         (CSW), in hexadecimal.
bbcchh - the address (bin, cylinder, and
         head), in hexadecimal, where the
         error occurred.
nnnnnn - the block number where the error
         occurred.

System Action: System operation continues.

Operator Action: For all types except DASD,
none. For DASD, if this message occurs
during IPL from 3330, make sure the
read/write switch on the drive is in the
write position. If the message occurs after
IPL, no action can be taken.

501A type 'addr' INT REQ [CMD='cm' SNS='sense'
CSW='csw' USERID= 'userid' BBCCHH='bbcchh']

- - - (Basic System Extensions) - - -

501A type 'addr' INT REQ [CMD='cm' SNS='sense'
CSW='csw' USERID= 'userid'
{BBCCHH='bbcchh'|BLOCK='nnnnnn'}]

- - - - - - - - - - - - - - - - - -

Explanation: An error recovery routine
encountered an intervention-required
condition on the device specified.

The "type" in the message indicates which
error recovery routine it was:

Type	Error Recovery Routine
LINE	line
DASD	disk
PRT,PUN,RDR	spooling
TAPE	tape

The other variables in the message are:

addr   - the unit address of the failing
         device.
sense - the sense bytes, in hexadecimal,
         for the error condition.
cm   - the command code, in hexadecimal,
         of the Channel Command word (CCW)
         being executed when the error
         occurred.
csw   - the failing channel status word
         (CSW), in hexadecimal.

bbcchh - the address (bin, cylinder, and
          head), in hexadecimal, where the
          error occurred.
nnnnnn - the block number where the error
          occurred.

System Action: System operation continues.

Operator Action: For a line error
condition, no action can be taken. For all
other devices, take appropriate action to
make the device ready.

If the printer or punch cannot be made
ready, to retrieve the active file on the
device do the following:

1. Use the FLUSH command to flush the
    device. (The FLUSH command will not
    issue a response.)

2. Use the DRAIN command to drain the
    device. The system varies the device
    offline and requeues the file on the
    system printer or punch queue. The
    file has a system hold status if the
    HOLD operand was used on the FLUSH
    command.

501I {CONS|PRT|PUN|RDR} 'addr' INT REQ [CMD='cm'
     SNS='sense' CSW='csw' USERID='userid']

     Explanation: The terminal error recovery
     routine (CONS), or the spooling error
     recovery routine (PRT, PUN, or RDR) found
     an unrecoverable intervention-required I/O
     error.

     addr   - the unit address of the failing
               device.
     cm   - the command code, in hexadecimal,
               of the channel command word (CCW)
               being executed when the error
               occurred.
     sense   - the sense bytes, in hexadecimal,
               for the error condition.
     csw   - the failing channel status word
               (CSW) in hexadecimal.

     System   Action: System   operation
     continues.

     Operation Action: For the console, none;
     for the reader, printer, or punch, take
     appropriate action to make the device
     ready.

502I type 'addr' BUSOUT CK CMD='cm' SNS='sense'
     CSW='csw' USERID= 'userid' [BBCCH='bbcchh']

     - - - (Basic System Extensions) - - -

502I type 'addr' BUSOUT CK CMD='cm' SNS='sense'
     CSW='csw'   USERID=   'userid'
     [{BBCCH='bbcchh'|BLOCK='nnnnnn'}]

     - - - - - - - - - - - - - - - - - -

     Explanation: An error   recovery routine
     found an unrecoverable bus-out check I/O
     error.

The "type" in the message indicates which
error recovery routine it was.

Type   Error Recovery Routine
DASD   disk
CONS,GRAF   terminal
LINE   line
PRT,PUN,RDR   spooling
TAPE   tape

The other variables in the message are:

addr   - the unit address of the failing
          device.
sense   - the sense bytes, in hexadecimal,
          for the error condition.
cm   - the command code, in hexadecimal,
          of the channel command word (CCW)
          being executed when the error
          occurred.
csw   - the failing channel status word
          (CSW), in hexadecimal.
bbcchh - the address (bin, cylinder, and
          head), in hexadecimal, where the
          error occurred.
nnnnnn - the block number where the error
          occurred.

System Action: System operation continues.

Operator Action: For CONS, DASD, GRAF,
LINE, and TAPE, none. For RDR, purge the
file and try to read it again. For printer
or punch, take appropriate action to
correct the problem. If the printer or
punch is to be made ready, do the following
to retrieve the active file on the device:

1. Use the FLUSH command to flush the
    device. (The FLUSH command will not
    issue a response.)

2. Use the DRAIN command to drain the
    device. The system varies the device
    offline and requeues the file on the
    system printer or punch queue. The
    file has a system hold status if the
    HOLD operand was used on the FLUSH
    command.

If the problem persists, call your system
support personnel.

503A {RDR|PRT|PUN} 'addr' EQUIP CK CMD='cm'
     SNS='sense' CSW='csw' USERID='userid'

     Explanation: The spooling error recovery
     routine found an unrecoverable equipment
     check I/O error.

     addr   - the unit address of the failing
               device.
     sense   - the sense bytes, in hexadecimal,
               for the error condition.
     cm   - the command code, in hexadecimal,
               of the channel command word (CCW)
               being executed when the error
               occurred.
     csw   - the failing channel status word
               (CSW) in hexadecimal.

     System Action: System operation continues.

Operator Action: Take appropriate action to correct the problem. If the problem persists, call your system support personnel.

503I type 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' [BBCCHH='bbcchh]

- - - (Basic System Extensions) - - -

503I type 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw'   USERID='userid' [{BBCCHH='bbcchh'|BLOCK='nnnnnn'}]

- - - - - - - - - - - - - - - - - - -

Explanation: An error recovery routine found an unrecoverable equipment check I/O error. The "type" in the message indicates which error recovery routine it was:

Type	Error Recovery Routine
CONS,GRAF	terminal
LINE	line
DASD	disk
PRT,PUN,RDR	spooling
TAPE	tape

The other variables in the message are:

addr   - the unit address of the failing device.
sense - the sense bytes, in hexadecimal, for the error condition.
cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.
csw   - the failing channel status word (CSW) in hexadecimal.
bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.
nnnnnn - the block number where the error occurred.

System Action: System operation continues.

Operator Action: None.

504A {RDR|PRT} 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'

Explanation: The spooling error recovery routine found an unrecoverable data check I/O error.

addr   - the unit address of the failing device.
sense - the sense bytes, in hexadecimal, for the error condition.
cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.
csw   - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: Spool printer devices with Universal Character Set must have the Block Data Check set on.

Two procedures are available:

1. To continue - make the printer not-ready and then ready.

2. To reload the UCS Buffer using the LOADBUF command, which sets the Block Data Check automatically, flush the printer (using the FLUSH command with the HOLD operand), make the printer not-ready, and then ready. Vary the printer online, and load the buffer.

Note: On the 3211, make the printer not ready, press the cancel key, and make the printer ready. A 3211 data check could be caused by FCB.

504D {DASD|TAPE} 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' [BBCCHH='bbcchh']

Explanation: The disk error recovery routine (DASD) or tape error recovery routine (TAPE) found an unrecoverable data check I/O error.

addr   - the unit address of the failing device.
sense - the sense bytes, in hexadecimal, for the error condition.
cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.
csw   - the failing channel status word (CSW) in hexadecimal.
bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: Reply "retry" or "cancel."

504I type 'addr' DATA CK CMD='cm' SNS='sense' CSW='CSW' USERID='userid' [BBCCHH='bbcchh']

- - - (Basic System Extensions) - - -

504I type 'addr' DATA CK CMD='cm' SNS='sense' CSW='CSW'   USERID='userid' [{BBCCHH='bbcchh'|BLOCK='nnnnnn'}]

- - - - - - - - - - - - - - - - - - -

Explanation: An error recovery routine found an unrecoverable data check I/O error. The "type" in the message indicates which error recovery routine it was:

Type	Error Recovery Routine
CONS,GRAF	terminal
LINE	line
DASD	disk
PRT,PUN,RDR	spooling

The other variables in the message are:

addr - the unit address of the failing
        device.
sense - the sense bytes, in hexadecimal,
        for the error condition.
cm   - the command code, in hexadecimal,
        of the channel command word (CCW)
        being executed when the error
        occurred.
csw   - the failing channel status word
        (CSW) in hexadecimal.
bbcchh - the address (bin, cylinder, and
        head), in hexadecimal, where the
        error occurred.
nnnnnn - the block number where the error
        occurred.

System Action: System operation continues.

Operator Action: None, or take appropriate
action to correct the problem. If the
problem persists, contact your system
support personnel.

505A RDR 'addr' OVERRUN CK CMD='cm' SNS='sense'
      CSW='csw' USERID='userid'

Explanation: The spooling error recovery
routine found an unrecoverable overrun
check I/O error.

addr - the unit address of the failing
        device.
sense - the sense bytes, in hexadecimal,
        for the error condition.
cm   - the command code, in hexadecimal,
        of the channel command word (CCW)
        being executed when the error
        occurred.
csw   - the failing channel status word
        (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: Take appropriate action to
correct the problem. If the problem
persists, contact your system support
personnel.

505D {DASD|TAPE} 'addr' OVERRUN   CK CMD='cm'
      SNS='sense'   CSW='csw'   USERID= 'userid'
      [BBCCHH='bbcchh']

      - - - (Basic System Extensions) - - -

505D {DASD|TAPE} 'addr' OVERRUN   CK CMD='cm'
      SNS='sense' CSW='csw' USERID=   'userid'
      [{BBCCHH='bbcchh'|BLOCK='nnnnnn'}]

      - - - - - - - - - - - - - - - - - -

Explanation: The disk error recovery
routine (DASD) or tape error recovery
routine (TAPE) found an unrecoverable
overrun check I/O error.

addr - the unit address of the failing
        device.
sense - the sense bytes, in hexadecimal,
        for the error condition.

cm   - the command code, in hexadecimal,
        of the channel command word (CCW)
        being executed when the error
        occurred.
csw   - the failing channel status word
        (CSW) in hexadecimal.
bbcchh - the address (bin, cylinder, and
        head), in hexadecimal, where the
        error occurred.
nnnnnn - the block number where the error
        occurred.

System Action: System operation continues.

Operator Action: Reply "retry" or "cancel".

505I type 'addr' OVERRUN CK CMD='cm' SNS='sense'
      CSW='csw' USERID='userid' [BBCCHH='bbcchh']

      - - - (Basic System Extensions) - - -

505I type 'addr' OVERRUN CK CMD='cm' SNS='sense'
      CSW='csw'   USERID='userid'
      [{BBCCHH='bbcchh'|BLOCK='nnnnnn'}]

      - - - - - - - - - - - - - - - - - -

Explanation: The disk error recovery
routine found an unrecoverable overrun
check I/O error. The "type" in the message
indicates which error recovery routine it
was.

Type   Error Recovery Routine
CONS   terminal
DASD   disk
LINE   line

The other variables in the message are:

addr - the unit address of the failing
        device.
sense - the sense bytes, in hexadecimal,
        for the error condition.
cm   - the command code, in hexadecimal,
        of the channel command word (CCW)
        being executed when the error
        occurred.
csw   - the failing channel status word
        (CSW) in hexadecimal.
bbcchh - the address (bin, cylinder, and
        head), in hexadecimal, where the
        error occurred.
nnnnnn - the block number where the error
        occurred.

System Action: System operation continues.

Operator Action: None.

506I DASD 'addr' TRKCOND CK CMD='cm' SNS='sense'
      CSW='csw' USERID='userid' BBCCHH='bbcchh'

Explanation: The disk error recovery
routine found an unrecoverable track
condition check I/O error.

addr - the unit address of the failing
        device.
sense - the sense bytes, in hexadecimal,
        for the error condition.

cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.

csw   - the failing channel status word (CSW) in hexadecimal.

bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

507D DASD 'addr' SEEK CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'

Explanation: The disk error recovery routine found an unrecoverable seek check I/O error.

addr   - the unit address of the failing device.

sense - the sense bytes, in hexadecimal, for the error condition.

cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.

csw   - the failing channel status word (CSW) in hexadecimal.

bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: Reply "retry" or "cancel".

508I {DASD|PRT|PUN|RDR} 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid' [BBCCHH='bbcchh']

Explanation: The disk error recovery routine (DASD) or the spooling error recovery routine (PRT, PUN, or RDR) found an unrecoverable permanent error condition.

addr   - the unit address of the failing device.

sense - the sense bytes, in hexadecimal, for the error condition.

cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.

csw   - the failing channel status word (CSW) in hexadecimal.

bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

509I DASD 'addr' TRKOVERUN CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'

Explanation: The disk error recovery routine found an unrecoverable track overrun check I/O error.

addr   - the unit address of the failing device.

sense - the sense bytes, in hexadecimal, for the error condition.

cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.

csw   - the failing channel status word (CSW) in hexadecimal.

bbcchh - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.

System Action: System operation continues.

Operator Action: None.

510I TAPE 'addr' CONVERT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'

Explanation: The tape error recovery routine found an unrecoverable data convert check I/O error.

addr   - the unit address of the failing device.

sense - the sense bytes, in hexadecimal, for the error condition.

cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.

csw   - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

511I TAPE 'addr' COMPAT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'

Explanation: The tape error recovery routine found an unrecoverable compatibility check I/O error.

addr   - the unit address of the failing device.

sense - the sense bytes, in hexadecimal, for the error condition.

cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.

csw   - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

512I TAPE 'addr' LOAD POINT CMD='cm' SNS='sense'
CSW='csw' USERID='userid'

Explanation: The tape error recovery
routine found an unrecoverable load point
I/O error.

addr   - the unit address of the failing
          device.
sense   - the sense bytes, in hexadecimal,
          for the error condition.
cm   - the command code, in hexadecimal,
          of the channel command word (CCW)
          being executed when the error
          occurred.
csw   - the failing channel status word
          (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

513I {DASD|TAPE} 'addr' FILE PROT CMD='cm'
SNS='sense' CSW='csw' USERID='userid'
[BBCCHH='bbcchh']

- - - (Basic System Extensions) - - -

513I {DASD|TAPE} 'addr' FILE PROT CMD='cm'
SNS='sense' CSW='csw' USERID='userid'
[{BBCCHH='bbcchh'|BLOCK='nnnnnn'}]

- - - - - - - - - - - - - - - - - -

Explanation: The disk error recovery
routine (for DASD) or the tape error
recovery routine (for TAPE) found an
unrecoverable file protect I/O error.

addr   - the unit address of the failing
          device.
sense   - the sense bytes, in hexadecimal,
          for the error condition.
cm   - the command code, in hexadecimal,
          of the channel command word (CCW)
          being executed when the error
          occurred.
csw   - the failing channel status word
          (CSW) in hexadecimal.
bbcchh - the address (bin, cylinder, and
          head), in hexadecimal, where the
          error occurred.
nnnnnn - the block number where the error
          occurred.

System Action: System operation continues.

Operator Action: None.

514D DASD 'addr' ADDMRK CK CMD='cm' SNS='sense'
CSW='csw' USERID='userid' BBCCHH='bbcchh'

Explanation: The disk error recovery
routine found an unrecoverable missing
address marker I/O error.

addr   - the unit address of the failing
          device.
sense   - the sense bytes, in hexadecimal,
          for the error condition.

cm   - the command code, in hexadecimal,
          of the channel command word (CCW)
          being executed when the error
          occurred.
csw   - the failing channel status word
          (CSW) in hexadecimal.
bbcchh - the address (bin, cylinder, and
          head), in hexadecimal, where the
          error occurred.

System Action: System operation continues.

Operator Action: Reply "retry" or "cancel".

516I type 'addr' BAD SENSE CMD='cm' SNS='sense'
CSW='csw' USERID='userid' [BBCCHH='bbcchh']

- - - (Basic System Extensions) - - -

516I type 'addr' BAD SENSE CMD='cm' SNS='sense'
CSW='csw'   USERID='userid'
[{BBCCHH='bbcchh'|BLOCK='nnnnnn'}]

- - - - - - - - - - - - - - - - - -

Explanation: An error recovery routine
encountered an error on a sense operation.
The "type" in the message indicates which
error recovery routine it was:

Type   Error Recovery Routine
DASD   disk
LINE   line
TAPE   tape

The other variables in the message are:

addr   - the unit address of the failing
          device.
sense   - the sense bytes, in hexadecimal,
          for the error condition.
cm   - the command code, in hexadecimal,
          of the channel command word (CCW)
          being executed when the error
          occurred.
csw   - the failing channel status word
          (CSW) in hexadecimal.
bbcchh - the address (bin, cylinder, and
          head), in hexadecimal, where the
          error occurred.
nnnnnn - the block number where the error
          occurred.

System Action: System operation continues.

Operator Action: None.

517E DASD 'addr' NOT/KNOWN CMD='cm' SNS='sense'
CSW='csw' USERID='userid' [BBCCHH='bbcchh']

- - - (Basic System Extensions) - - -

517E DASD 'addr' NOT/KNOWN CMD='cm' SNS='sense'
CSW='csw'   USERID='userid'
[{BBCCHH='bbcchh'|BLOCK='nnnnnn'}]

- - - - - - - - - - - - - - - - - -

Explanation: The disk error recovery
routine encountered an error that is
considered an impossible condition and must
be reported as such.

addr   - the unit address of the failing
           device.
sense   - the sense bytes, in hexadecimal,
           for the error condition.
cm   - the command code, in hexadecimal,
           of the channel command word (CCW)
           being executed when the error
           occurred.
csw   - the failing channel status word
           (CSW) in hexadecimal.
bbcchh   - the address (bin, cylinder, and
           head), in hexadecimal, where the
           error occurred.
nnnnnn   - the block number where the error
           occurred.

System Action: System operation continues.

Operator Action: None.

517I {LINE|TAPE} 'addr'   NOT/KNOWN   CMD='cm'
SNS='sense' CSW='csw' USERID='userid'

Explanation: The line error recovery
routine (for LINE) or the tape error
recovery routine (for TAPE) encountered an
error that is considered an impossible
condition and must be reported as such.

addr   - the unit address of the failing
           device.
sense   - the sense bytes, in hexadecimal,
           for the error condition.
cm   - the command code, in hexadecimal,
           of the channel command word (CCW)
           being executed when the error
           occurred.
csw   - the failing channel status word
           (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

518I {DASD|TAPE} 'addr' RECV   ERROR CMD='cm'
SNS='sense'   CSW='csw'   USERID='userid'
[BBCCHH='bbcchh']

Explanation: While attempting recovery, the
disk error recovery routine (for DASD) or
the tape error recovery routine (for TAPE)
encountered an error not associated with
the original error. Error recovery cannot
be continued.

addr   - the unit address of the failing
           device.
sense   - the sense bytes, in hexadecimal,
           for the error condition.
cm   - the command code, in hexadecimal,
           of the channel command word (CCW)
           being executed when the error
           occurred.
csw   - the failing channel status word
           (CSW) in hexadecimal.
bbcchh   - the address (bin, cylinder, and
           head), in hexadecimal, where the
           error occurred.

System Action: System operation continues.

Operator Action: None.

519I TAPE 'addr' PE BURST CMD='cm' SNS='sense'
CSW='csw' USERID= 'userid'

Explanation: The tape error recovery
routine found an unrecoverable phase encode
burst I/O error.

addr   - the unit address of the failing
         device.
sense - the sense bytes, in hexadecimal,
         for the error condition.
cm   - the command code, in hexadecimal,
         of the channel command word (CCW)
         being executed when the error
         occurred.
csw   - the failing channel status word
         (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

520A {RDR|PRT|PUN} 'addr' PERM ERROR CMD='cm'
SNS='sense' CSW='csw' USERID='userid'

Explanation: The spooling error recovery
routine found an unrecoverable error
condition.

addr   - the unit address of the failing
           device.
sense   - the sense bytes, in hexadecimal,
           for the error condition.
cm   - the command code, in hexadecimal,
           of the channel command word (CCW)
           being executed when the error
           occurred.
csw   - the failing channel status word
           (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: Take appropriate action to
correct the problem. If the problem
persists, contact your system support
personnel.

520I type 'addr' CHAN ERROR CMD='cm' SNS='sense'
CSW='csw' USERID='userid' [BBCCHH='bbcchh']

- - - (Basic System Extensions) - - -

520I type 'addr' CHAN ERROR CMD='cm' SNS='sense'
CSW='csw'   USERID='userid'
[{BBCCHH='bbcchh'|BLOCK='nnnnnn'}]

- - - - - - - - - - - - - - - - - -

Explanation: An error recovery routine
encountered an unrecoverable channel I/O
error. The "type" in the message indicates
which error recovery routine it was:

Type	Error Recovery Routine
LINE	line
DASD	disk
PRT,PUN,RDR	spooling
TAPE	tape

The other variables in the message are:

addr   - the unit address of the failing device.
sense   - the sense bytes, in hexadecimal, for the error condition.
cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed.
csw   - the failing channel status word (CSW) in hexadecimal.
bbcchh   - the address (bin, cylinder, and head), in hexadecimal, where the error occurred.
nnnnnn   - the block number where the error occurred.

System Action: System operation continues.

Operator Action: None.

521I type 'addr' NO DEVICE CMD='CM' SNS='sense' CSW='csw' USERID='userid'

Explanation: An error recovery routine received a reported error from a device that is not in the system configuration. The "type" in the message indicates which error recovery routine it was:

Type	Error Recovery Routine
GRAF	terminal
PRT,PUN,RDR	spooling
TAPE	tape

The other variables in the message are:

addr   - the unit address of the failing device.
sense   - the sense bytes, in hexadecimal, for the error condition.
cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.
csw   - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

522I TAPE 'addr' ERASE CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'

Explanation: The tape error recovery routine found an unrecoverable erase check I/O error.

addr   - the unit address of the failing device.
sense   - the sense bytes, in hexadecimal, for the error condition.
cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.
csw   - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

523I TAPE 'addr' CONTROL CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'

Explanation: The tape error recovery routine found an unrecoverable control check on a tape.

addr   - the unit address of the failing device.
sense   - the sense bytes, in hexadecimal, for the error condition.
cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.
csw   - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

524I {RDR|PRT|PUN} 'addr' LOAD CHECK CMD='cm' SNS='sense' CSW='csw' USERID='userid'

Explanation: The spooling error recovery routine received an error when loading the UCS (universal character set) buffer.

addr   - the unit address of the failing device.
sense   - the sense bytes, in hexadecimal, for the error condition.
cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.
csw   - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: Retry the operation.

525I {GRAF|RDR|PRT|PUN} 'addr' FORMAT CK CMD='CM' SNS='sense' CSW='csw' USERID='userid'

Explanation: The terminal error recovery routine (for GRAF) or the spooling error recovery routine (for RDR, PRT, or PUN) encountered a format error on a write RCE (Read Column Eliminate) command.

addr   - the unit address of the failing device.
sense   - the sense bytes, in hexadecimal, for the error condition.
cm   - the command code, in hexadecimal, of the channel command word (CCW) being executed when the error occurred.
csw   - the failing channel status word (CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: Retry the operation.

- - - (Basic System Extensions) - - -

526I TAPE 'addr' DSE FAILED CMD='cm' SNS='sense'
CSW='csw' USERID='userid'

Explanation: A data security erase
operation has failed to complete
successfully. causing a timeout condition
exist on communication lines.

addr - the unit address of the failing
device.

sense - the sense bytes, in hexadecimal,
for the error condition.

cm   - the command code, in hexadecimal,
of the channel command word (CCW)
being executed when the error
occurred.

csw   - the failing channel status word
(CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: Activate the reset and
load-rewind buttons on the failing device
and restart the job.

- - - - - - - - - - - - - - - - - - -

527I {LINE|CONS} 'addr' LOST DATA CMD='cm'
SNS='sense' CSW='csw' USERID='userid'

Explanation: The line error recovery
routine (for LINE) or the terminal error
recovery routine (for CONS) found an
unrecoverable lost data I/O error.

addr - the unit address of the failing
device.
sense - the sense bytes, in hexadecimal,
for the error condition.
cm   - the command code, in hexadecimal,
of the channel command word (CCW)
being executed when the error
occurred.
csw   - the failing channel status word
(CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

528I {LINE|CONS} 'addr' TIMEOUT CMD='cm'
SNS='sense' CSW='csw' USERID='userid'

Explanation: The line error recovery
routine (for LINE) or the terminal error
recovery routine (for CONS) determined that
problems causing a timeout condition exist
on communication lines.

addr - the unit address of the failing
device.
sense - the sense bytes, in hexadecimal,

for the error condition.
cm   - the command code, in hexadecimal,
of the channel command word (CCW)
being executed when the error
occurred.
csw   - the failing channel status word
(CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

529I {GRAF|RDR|PRT|PUN} 'addr' PARITY CK
CMD='cm'   SNS='sense'   CSW='csw'
USERID='userid'

Explanation: The terminal error recovery
routine (for GRAF) or the spooling error
recovery routine (for RDR, PRT, or PUN)
found an unrecoverable parity check I/O
error.

addr - the unit address of the failing
device.
cm   - the command code, in hexadecimal,
of the channel command word (CCW)
being executed when the error
occurred.
sense - the sense bytes, in hexadecimal,
for the error condition.
csw   - the failing channel status word
(CSW) in hexadecimal.

System Action: System operation
continues.

Operator Action: None.

- - - (Basic System Extensions) - - -

530I DASD 'addr' CHECK DATA CMD='cm' SNS='sense'
CSW='csw' USERID='userid' BLOCK='nnnnnn'

Explanation: The FB-512 error recovery
routine encountered an unrecoverable check
data error.

addr - the unit address of the failing
device.
sense - the sense bytes, in hexadecimal,
for the error condition.
cm   - the command code, in hexadecimal,
of the channel command word (CCW)
being executed when the error
occurred.
csw   - the failing channel status word
(CSW) in hexadecimal.

System Action: System operation continues.

Operator Action: None.

- - - - - - - - - - - - - - - - - - -

550E ERROR RECORDING AREA 90 PERCENT FULL; RUN
CPEREP

Explanation: The error recording area
specified in the message is 90% full. This
message is a warning to prevent loss of
error records.

System Action: System operation continues.

Operator Action: Run the CPEREP program to print the records on the affected area, and then clear the area. Save the printed output for your system support personnel.

551E ERROR RECORDING AREA FULL; RUN CPEREP

Explanation The error recording area specified in the message is full. Further errors of that type cannot be recorded.

System Action: System operation continues, but no I/O errors, or machine check and channel check errors, are recorded.

Operator Action: Run the CPEREP program to print the error records that are on the error recording area that is full, and then clear the area. Save the printed output for your system support personnel.

552I FORMATTING ERROR RECORDING AREA

Explanation: The recording area specified in the message is not in the proper format. The area is rewritten in the correct CP format at this time. This should only occur at the first IPL of a new system with a new error recording area. If this message appears at other times, it is probably due to a hardware error.

System Action: System operation continues.

Operator Action: If you did not expect this formatting to take place, ensure that the allocation of the system volume does not overlap cylinders or disk space and then call your system support personnel.

553I ERRROR RECORDING AREA CLEARED; USER 'userid'

Explanation: DMKIOG has been invoked by user 'userid' to clear the error recording area specified in the message. Error recording in that area is reenabled.

System Action: System operation continues.

Operator Action: None.

558I UNRECOVERABLE I/O ERROR; ERROR RECORDING DISABLED

Explanation: Unrecoverable input/output errors were encountered while trying to read or write in the error recording area at system initialization time. Error recording has been disabled. Probable hardware error.

System Action: System operation continues but error recording is not being done.

Operator Action: System operation without

error recording is not recommended. Whenever possible, try to restart the system, with the system disk on another drive. If the problem persists, call your system support personnel.

559W SRF NOT AVAILABLE

Explanation: One of the following conditions has occurred on a 3031, 3032, or 3033 processor:

1. SRF is not included in DMKRIO.
2. The service support console is configured for diagnostics, remote hook-up, or program frame. The console is not in SRF mode.
3. The system is running in degraded mode. (only one console is operational.)

    System Action: Processing continues. System will run, EREP data is collected. Reports are unformatted.

    User Action:
1. Reassemble DMKRIO with the proper address for the 7443 devices and include "SRF=" on the RIOGEN, refer to the *VM/370 Planning and System Generation Guide*.
2. Wait until the servie support console is available. Enable the I/O interface. Select SRF mode form the C1 frame by activating the SRF (A2). (On the 3032, the SRF appears disabled until it is accessed.) VARY ON the SRF. Attach the SRF. Rerun CPEREP CLEARF. Refer to the *3033 Processor Complex Operating Procedures*, GC38-0031.
3. Rerun CPEREP when both console stations are operational, generate reports then run CPEREP CLEARF to clear and obtain the frame records.

560W SRF ERRORS; FRAMES NOT ON ERROR CYLINDERS

- - - (Basic System Extensions) - - -

560W SRF ERRORS; FRAMES NOT IN ERROR AREA

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Explanation: A permanent I/O error was encountered during an I/O operation with the SRF. The SRF frames are not placed on the error recording cylinders or in the error recording area. CPEREP will not format the CCH and MCH records until the area is cleared and the frame records reinitialized.

System Action: Processing continues.

Operator Action: After the cause of the error has been corrected, run CPEREP with the CLEARF parameter specified to clear the area. This will cause the frames to be placed in the error recording area.

561W MORE THAN 50 MCH OR CCH FRAMES WERE READ FROM THE SRF

Explanation: The maximum number of frames of one type has been exceeded.

• There is an error in the Service Processor when responding to I/O requests to the SRF, or

• The last engineering change has provided a set of frames larger than the maximum number expected.

System Action: The first 50 frames read will be accepted as valid and will be written to the error recording area.

Operator Action: Processing of MCH or CCH records by 50 frames may result in an incomplete or erroneous edit of logout information. Call IBM Field Engineering for support.

575I I/O ERROR ADD=raddr, USERID=userid

Explanation: The VM/370 error recording interface has determined that a permanent or temporary I/O error has occurred on a virtual machine. This message also appears when VM/370 error routines are invoked for recording counter and buffer overflow statistics for various devices, for recording demounts, and for recording general statistical data.

System Action: System operation continues.

Operator Action: Run CPEREP to document the error. If the problem persists, call your system support personnel.

601I CHANNEL CONTROL CHECK DEV xxx; USER 'userid'

Explanation: A channel control check occurred on the channel specified by device xxx, where:

xxx   - Channel, control unit, and device address of the failing unit.

System Action: System operation continues.

Operator Action: Probable hardware error. If the problem persists, call your system support personnel.

602I INTERFACE CONTROL CHECK DEV xxx; USER 'userid'

Explanation: An interface control check occurred on channel specified in device xxx, where:

xxx   - Channel, control unit, and device address of the failing unit.

System Action: System operation continues.

Operator Action: Probable hardware error. If the problem persists, call your system support personnel.

603W CHANNEL ERROR; RUN SEREP, RESTART SYSTEM

Explanation: A channel check condition occurred from which the channel check handler could not recover.

System Action: The system enters a wait state (wait state code = 002).

Operator Action: Probable hardware error. Run the SEREP program to document the error condition before restarting the system. If the problem persists, call your system support personnel.

To restart, clear storage and IPL the VM/370 system, specifying CKPT start.

605I CHANNEL CHECK RECORDING FAILURE

Explanation: This message appears:

• When an unrecoverable I/O error is encountered while recording on the error recording cylinder, or

• When the channel check recording cylinder is full.

System Action: System operation continues.

Operator Action: Run the CPEREP program to write out the error records and clear the channel recording cylinder. If the error recurs, contact your system support personnel.

610W MACHINE CHECK; SUPERVISOR DAMAGE cpuid

Explanation: The machine check handler has encountered an unrecoverable error within CP. This message is also issued if a malfunction alert occurs on the attached processor and CP was in control.

System Action: The system enters a disabled wait state (wait state code = 001 or 013).

Operator Action: Probable hardware error. Run the SEREP program to document the error. Restart the system. If the problem recurs, contact your system support personnel.

611W MACHINE CHECK; SYSTEM INTEGRITY LOST cpuid

Explanation: The machine check handler has encountered an error that cannot be diagnosed because of an invalid machine check old PSW or invalid machine check interrupt code (MCIC). The integrity of the system at this point is not reliable.

System Action: The system enters a wait state, code 001.

Operator Action: Probable hardware error. Run the SEREP program and save the output for your system support personnel. Restart the system.

612W MACHINE CHECK TIMING FACILITIES DAMAGE; RUN SEREP cpuid

Explanation: An error has occurred in the timing facilities. Probable hardware error.

System Action: The system enters a disabled wait state (wait state code = 001).

Operator Action: Run the SEREP program to document the error. Restart the system. If the problem recurs, contact your system support personnel.

613I SOFT MACHINE CHECK RECORDING DISABLED cpuid

Explanation: The error reporting interrupt mechanism for soft machine checks has been disabled.

System Action: System operation continues.

Operator Action: None.

614I MACHINE CHECK; DAMAGED PAGE NOW DELETED cpuid

Explanation: The machine check handler has deleted a page of storage as a result of storage data failures. Probable hardware error.

System Action: System operation continues.

Operator Action: The system operator should note that the system is operating with 4K bytes less storage each time this message appears.

If the problem recurs, run the CPEREP program to document the error, then contact your system support personnel.

615I MACHINE CHECK RECORDING FAILURE cpuid

Explanation: This message appears:

• If an unrecoverable I/O error is encountered while recording on the error recording cylinder, or

• When the machine check recording cylinder is full.

System Action: System operation continues.

Operator Action: Run the CPEREP program to print the error records and clear the MCH recording cylinder. If the problem recurs, contact your system support personnel.

616I MACHINE CHECK; USER userid TERMINATED cpuid

Explanation: The user identified by userid has encountered a machine check error and the user's virtual machine has been reset. Probable hardware error.

System Action: System operation continues.

Operator Action: Run the CPEREP program to document the error. If the problem recurs, contact your system support personnel.

617I MACHINE CHECK; BUFFER OR DLAT DAMAGE cpuid

Explanation: The Machine Check Handler has encountered a buffer storage or DLAT partially disabled.

System Action: System operation continues.

Operator Action: Run the CPEREP program to document the error. If the problem recurs, contact your system support personnel.

618I {INSTRUCTION RETRY|MAIN STORAGE} NOW IN {RECORD|QUIET} MODE cpuid

Explanation: The SET MODE command has placed the processor in the mode that is specified.

System Action: System operation continues.

Operator Action: None.

619I MACHINE CHECK; OPERATION TERMINATED cpuid

Explanation: The user has encountered a machine check error and the user's virtual machine had been reset or terminated. If the virtual machine was reset, the user must reinitialize the system to commence operation. If the virtual machine was terminated, he must log on again to commence operation.

System Action: System operation continues.

Operator Action: Run the CPEREP program to document the error. If the problem recurs, contact your system support personnel.

620I MACHINE CHECK; ATTACHED PROCESSOR NOT BEING USED

Explanation: The attached processor is no longer being used by the system because:

- A malfunction alert was received from the attached processor,

- The machine check handler received an unrecoverable error on the attached processor while in problem state,

- An instruction processing error was detected for the attached processor.

System Action: System operates in uniprocessor mode.

Operator Action: Run the CPEREP program to document the error and save the output for your system support personnel.

621I MACHINE CHECK; AFFINITY SET OFF

Explanation: The attached processor is no longer being used by the system because of a malfunction alert, or an unrecoverable machine check. Affinity for the attached processor is no longer valid.

System Action: System operates in uniprocessor mode. The user is put in console function mode (if user was not disconnected) with affinity turned off.

User Action: Resume processing. Continue to operate without attached processor affinity, if possible.

622W MACHINE CHECK; MULTIPLE CHANNEL ERRORS

Explanation: During a machine check interruption, a group of channels is unavailable. The channels will not be available until the system is reset.

System Action: VM/370 is terminated by loading a disabled wait PSW. The wait code in the PSW is X'00000001'.

Operator Action: IPL SEREP and then reload VM/370 via IPL.

700E INPUT UNIT IS NOT A CPVOL

Explanation: The CPVOL operand was specified for a DUMP or COPY statement, but the last INPUT control statement did not describe a device that had been initialized with the VM/370 Format/Allocate program.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console.

User Action: Describe the proper DASD device with the INPUT control statement.

If the proper input device is defined, use the ALL operand or the explicit cylinder operand for the DUMP or COPY function.

701E INVALID OPERAND - operand

Explanation: The specified operand is invalid.

System Action: If the input is from cards or a CMS file, the card image is printed above the message, and the program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console.

User Action: Correct the operand and resubmit the job.

702E CONTROL STATEMENT SEQUENCE ERROR

Explanation: The control statement is not in the proper sequence.

System Action: If the input is from cards or a CMS file, the card image is displayed above the error message. The program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console. Note that all DUMP, RESTORE, or COPY statements must be delimited by an INPUT or an OUTPUT control statement. When multiple, explicit cylinder extents are defined, the DUMP, COPY, and RESTORE statements must not be intermixed.

User Action: Place the control statements in the proper sequence, or correct the error, and resubmit the job.

703E OPERAND MISSING

Explanation: The above control statement contains insufficient information.

System Action: If the input is from cards or a CMS file, the card image is displayed before the message. The program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console.

User Action: Provide the missing operand and resubmit the job.

704E DEV cuu NOT OPERATIONAL

Explanation: cuu is the device address of the unit that is not operational.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the next statement is solicited from the console.

User Action: Either attach the proper
device to your system or redefine the
device in error. In either case, the
function control statement must be
reentered.

705E IO ERROR cuu CSW csw SENSE sense INPUT
bbcchh OUTPUT bbcchh CCW ccw

- - - (Basic System Extensions) - - -

705E IO ERROR cuu CSW csw SENSE sense INPUT
bbcchh OUTPUT {bbcchh|nnnnnn}CCW ccw

- - - - - - - - - - - - - - - - - -

Explanation: An unrecoverable I/O error
has been detected on the input or the
output device, where:

ccu   - the unit address of the device in
           error.
sense   - the sense bytes, in hexadecimal,
           describing the error.
csw   - channel status word from the
           error.
bbcchh   - the address (bin, cylinder, and
           head), in hexadecimal, where the
           error occurred on the input or
           output cylinder.
nnnnnn   - the block number where error
           occurred.
ccw   - the channel command word from the
           error.

System Action: The job step is terminated.
If the output device is tape, an attempt is
made to write a trailer label closing the
output device. A cylinder map is printed
describing all valid data that was dumped,
restored, or copied to the point of error.

Note: This may be a valid condition if a
virtual user attempts to dump, restore, or
copy past the cylinder extents of the
minidisk with which he is working.

User Action: Determine whether or not the
error was valid. If it was not valid,
resubmit the job. If the error persists,
call IBM for hardware support.

705I I/O   ERROR   RESID=resid   STATUS=status
LINE=addr

Explanation: For DMKRGA, an unrecoverable
I/O error has been detected on the remote
display station or the remote printer.

resid   - three bytes, in hexadecimal, of
           the real resource identifier.
status   - two bytes, in hexadecimal, of
           status and sense data describing
           the error.
addr   - the unit address of the line to
           which the remote station is
           attached.

System Action: System operation continues.
The system operator is notified. The user

receives "NOT ACCEPTED" at the display
terminal.   ◄

Operator Action: None.

706E LINE addr NOT ENABLED

Explanation: The command could not be
executed because the line address specified
was not enabled.

System Action: None.

User Action: Enable the line address and
reissue the command.

707A DIAL FUNCTION NOT AVAILABLE

Explanation: The DIAL command cannot be
issued from this station or terminal.

System Action: System operation continues.

User Action: None.

707E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR
CE

Explanation: A hardware error has occurred
while running in standalone mode.

System Action: The program loads a disabled
wait state PSW after attempting to print
the message.

User Action: Run the standalone SEREP
program provided by the customer engineer
to document the hardware error for further
analysis of the problem. Attempt to rerun
the job. If the error persists, call IBM
for hardware support. In either case, all
output should be saved to show to the
service representative.

708E INVALID INPUT OR OUTPUT DEFINITION

Explanation: The INPUT and/or OUTPUT
statement is not defined or is defined as
the wrong device type. For example, the
DUMP statement must have the input unit
defined as a DASD device and the output
unit defined as a tape device.

System Action: If the input is from cards
or a CMS file, the program is terminated
after scanning the remaining statements for
syntax. Otherwise, the correct statement is
solicited from the console.

User Action: Redefine the input or output
definition, or use the proper function
control statement.

709E WRONG INPUT TAPE MOUNTED

Explanation: The tape is invalid for one
of the following reasons:

• There is no volume header record on the
  tape.

- The volume header record cylinder identifier is higher than the cylinder being searched for. If the tape was produced from FB-512 data, the volume header blockid is higher than the block being searched for.

- The volume header record time stamp is different from the preceding volume trailer label time stamp.

System Action: The system rewinds and unloads the tape; then it attempts to read the next tape's volume header record. If the wrong input tape is mounted, the system rewinds and unloads the tape, regardless of whether the REWIND, UNLOAD, or LEAVE option was specified in the INPUT control statement of the DASD Dump Restore program.

User Action: Mount the proper tape.

710A DEV cuu INTERVENTION REQUIRED

Explanation: cuu is the unit address of the device that has become not-ready.

System Action: The program waits for the specified device to become ready.

User Action: Make the specified device ready.

711R VOLID READ IS volid2 [NOT volid1] DO YOU WISH TO CONTINUE? RESPOND YES NO OR REREAD:

Explanation:
volid1 - The volume serial number from the input or output control statement; volid1 is displayed only if it was entered.
volid2 - The volume serial number from the VOL1 label on the DASD device specified by the control statement.

System Action: Waits for response.

If you respond "yes", the operation continues.

If you respond "no", and the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the next statement is solicited from the console.

If you respond "reread", the volume specified is read again.

Note: A new volume may have been mounted in the interim.

User Action: Respond "yes", "no", or "reread".

712E NUMBER OF EXTENTS EXCEEDS 20

Explanation: The DUMP or COPY control statement has explicitly defined more than 20 extents, or if CPVOL was specified, the input unit has more than 20 physical extents defined.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the next control statement is solicited from the console.

User Action: Use the DUMP ALL or COPY ALL statement, or perform the job specifying no more than 20 extents, and repeat DUMP or COPY if necessary to complete the task.

713E OVERLAPPING OR INVALID EXTENTS

Explanation: The DUMP, RESTORE, or COPY statement contains invalid or overlapping explicit cylinder or block extents.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console.

User Action: Enter the proper cylinder or block extent information.

714E RECORD bbcchh NOT FOUND ON TAPE

- - - (Basic System Extensions) - - -

714E RECORD {bbcchh|nnnnnn} NOT FOUND ON TAPE

- - - - - - - - - - - - - - - - - -

Explanation: The given record was not found on the tape.

bbcchh - the address (bin, cylinder, and head), in hexadecimal, of the missing track header record.
nnnnnn - the decimal block number of the missing block.

System Action: The job step is terminated. All data restored or copied to that point is valid. If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the next control statement is solicited from the console.

User Action: Use the COPY ALL or RESTORE ALL statement, or use the correct explicit cylinder operand.

715E LOCATION bbcchh IS A FLAGGED TRACK

Explanation: The DASD device has a flagged track.

bbcchh - the address (bin, cylinder, and head), in hexadecimal, of the flagged track.

System Action: RC = 3.
For the IBM 2314, 2319, and 2305, the job
step continues; for the IBM 3330 and 3350,
the job is terminated. All data dumped or
copied to that point is valid. The input
and output devices are closed, and a
cylinder map of the data dumped or copied
is printed.

For the IBM 2305, 2314, 2319, and 3340,
flagged tracks are treated as any other
track; that is, no attempt is made to
substitute the alternate track data when a
defective primary track is read; tracks are
not inspected to determine if they were
previously flagged when written. It is
therefore recommended that volumes dumped
containing flagged tracks be restored to
tne same volume. DMKDDR715E is displayed
each time a defective track is dumped,
copied, or restored, and the operation
continues.

For the IBM 3330 and 3350, flagged tracks
are automatically handled by the control
unit and should never be detected by the
program. However, if a flagged track is
detected DMKDDR715E is displayed and the
job step is terminated.

User Action: Use the DUMP or COPY
statements with the explicit cylinder
operand to dump or copy around the flagged
track.

716R NO VOL1 LABEL FOUND FOR volid DO YOU WISH
TO CONTINUE? RESPOND YES NO OR REREAD:

Explanation: For count-key-data, the
program was unable to find a record with
the key of VOL1 on cylinder 0 track 0 and
was not able to read record 3 on cylinder 0
track 0 for the specified volume serial
number (volid).

The volume serial number is displayed only
if specified in the INPUT or OUTPUT control
statement.

(For Basic System Extensions FB-512
devices, block 1 on the device could not be
read.)

System Action: The system waits for a
response.

If you respond "yes", the system continues
with the job steps.

If you respond "no" and the input is from
cards or a CMS file, the program is
terminated after scanning the remaining
statements for syntax. Otherwise, the next
statement is solicited from the console.

If you respond "reread", the program
attempts to reread the specified device.

User Action: Respond to the message as
indicated.

717R DATA DUMPED FROM volid1 TO BE RESTORED TO
volid2. DO YOU WISH TO CONTINUE? RESPOND
YES NO OR REREAD:

Explanation:

volid1 - The volume serial number of the
          input tape.
volid2 - The volume serial number of the
          output DASD device that is to
          receive the data from volid1.

System Action: The system waits for a
response.

If you respond "yes", the restore function
continues.

If you respond "no" and the input is from
cards or a CMS file, the program is
terminated after scanning the remaining
statement for syntax. Otherwise, the
correct statement is solicited from the
console.

If you respond "reread", the input tape is
backspaced to the start of the file, and
the volume header label is reread.

User Action: If the wrong input tape is
mounted, replace the tape and respond
REREAD. Otherwise, respond in the
appropriate manner.

718E OUTPUT UNIT IS FILE PROTECTED

Explanation: The output tape cannot be
written on.

System Action: RC = 1
The program terminates. The tape device is
rewound and unloaded; the system waits for
the device to become ready. When the unit
is ready, the system writes a volume header
record on the tape, and the operation
continues.

User Action: Replace the file security ring
in the tape reel, or mount the proper tape.

719E INVALID FILE NAME OR FILE NOT FOUND

Explanation: This message can appear only
if DMKDDR is running under CMS. A filetype
was not entered from the CMS command line,
or the filename and filetype entered could
not be found on the CMS files currently
logged in.

User Action: Either omit all operands on
the CMS command line, defaulting to console
input, or enter the proper filename,
filetype, and/or filemode for the CMS file
containing the input control statements.

720E ERROR IN routine

Explanation: routine is the name of the
CMS routine in error from the first eight
characters of the CMS parameter list. The

CMS return code generated by the error is returned in the following manner:

PRINTR--the CMS return code plus 100

WAITRD--the CMS return code plus 200

RDBUF--the CMS return code plus 300

TYPE or TYPLIN--the CMS return code plus 400

System Action: If the input is from cards or a CMS file, the program terminates after scanning the remaining statements for syntax. Otherwise, the program is immediately terminated.

User Action: Correct the error as indicated by the return code, and resubmit the job.

721E RECORD cchhr NOT FOUND

- - - (Basic System Extensions) - - -

721E RECORD {cchhr|nnnnnn} NOT FOUND

- - - - - - - - - - - - - - - - - - -

Explanation: The record indicated by cchhr was not found.

cchhr   - the address (cylinder, head, and record) of the record explicitly described by the PRINT or TYPE function.
nnnnnn - the FB-512 block number of the block described by the PRINT or TYPE function.

System Action: The system terminates the PRINT or TYPE function in process and continues with the remaining job steps unaffected.

User Action: For count-key-data, if the explicit record identifier is not known, print or type on a cylinder or track basis.

For FB-512, correct the number and retry.

722E OUTPUT UNIT NOT PROPERLY FORMATTED FOR THE CP NUCLEUS

Explanation: The CP nucleus cannot be restored or copied for one of the following reasons:

• The output volume was not formatted using the Format/Allocate program.

• The volid of the original nucleus volume is different from the volid of the new nucleus volume.

• The cylinders or pages on which the nucleus will reside are not allocated as permanent space in the allocation record on the input device.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the next control statement is solicited from the console.

User Action: Use the Format/Allocate program to prepare the output disk as indicated above, and resubmit the job.

723E NO VALID CP NUCLEUS ON THE INPUT UNIT

Explanation: If the input unit is tape, then the tape does not contain a DDR nucleus dump. If the input unit is disk, then a CP nucleus was never loaded onto that disk.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the correct statement is solicited from the console.

User Action: Mount the proper input unit and resubmit the job.

724E INPUT TAPE CONTAINS A CP NUCLEUS DUMP

Explanation: The user is attempting to restore a tape dump using the NUCLEUS parameter by specifying ALL or explicit extent parameters.

System Action: If the input is from cards or a CMS file, the program is terminated after scanning the remaining statements for syntax. Otherwise, the next control statement is solicited from the console.

User Action: Use the RESTORE NUCLEUS statement or mount the proper tape.

725R ORIGINAL INPUT DEVICE WAS (IS) LARGER THAN OUTPUT DEVICE. DO YOU WISH TO CONTINUE? RESPOND YES OR NO:

Explanation:
RESTORE FUNCTION--The number of cylinders or blocks on the original DASD input unit is compared with the number on the output device.

COPY FUNCTION--The input device contains more cylinders or blocks than the outout device.

Operator Action: Determine if the copy or restore function is to continue; respond either "yes" or "no".

726E MOVING DATA INTO ALTERNATE TRACK CYLINDER(S) IS PROHIBITED

Explanation: An extent statement was encountered that attempted either to RESTORE or to COPY a cylinder of data into the alternate track cylinder. This is not permitted. The alternate track cylinders

of disks (except 2314 and 2319) are to be used only for alternate tracks and not as a primary data area.

System Action: The program attempts to read another control statement, or to read another extent statement.

User Action: If the extent statement contains a typographical error, correct it. Otherwise, find some other cylinder(s) to RESTORE or COPY the data to. The REORDER operand of the extent statement can be used to move an entire minidisk to different cylinders.

727E FLAGGED TRK xxxxxxxxxxx HAS NO PROPER ALTERNATE; SKIPPING THIS TRK

Explanation: An attempt was made to read from or write to a track that is flagged as defective, but it has no alternate track assigned; or it has an alternate assigned improperly. (Alternate does not point back to defective track, alternate has defective flage set, etc.)

System Action: In the case of DUMP, RESTORE, or COPY the defective track is skipped and processing continues with the next track. In the case of PRINT or TYPE, the home address and the record zero from the defective track are displayed.

User Action: To restore the disk to a usable condition, perform a disk initialization using IBCDASDI.

730E DEV cuu NOT OPERATIONAL OR NOT READY

Explanation: The device at address cuu is not operational (SIO gave cc=3) or not ready (intervention required indicated in sense data).

System Action: If the input is from cards, the card in error is printed and the job step is terminated. If the input is from the console, the proper device address is requested from the user.

User Action: Ready the device, attach the proper device to the system, or specify the proper device in the control statement.

732E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE

Explanation: A machine check hardware error has occurred.

System Action: The program loads a disabled wait state PSW after attempting to print the message.

User Action: Run the standalone SEREP program to document the hardware error so that further analysis can be done. Then attempt to rerun the job. If the error persists, save all output and notify your system support personnel.

733E VOLID READ IS volid1 NOT volid2

Explanation: The wrong volume is mounted on the device described by the ALLOCATE control statement.

volid1 - the volume serial number as read from the DASD device.
volid2 - the volume serial number from the ALLOCATE control statement.

Note: If volid1 = "none", no record 3 was found on cylinder 0, track 0.

System Action: If the input is from cards, the card in error is printed and the job step is terminated. If it is console input, the proper volume serial number is requested from the user.

User Action: Correct the ALLOCATE control statement or mount the proper volume on the device described by the ALLOCATE control statement. If "none" was given for volid1, the pack must be formatted.

734E TYPE OR CYL INVALID

- - - (Basic System Extensions) - - -

734E TYPE OR {CYL|PAG} INVALID

- - - - - - - - - - - - - - - - - - - -

Explanation: While attempting to allocate cylinders or extents, an invalid control statement was encountered or an invalid extent was specified. For count-key-data devices, an invalid cylinder or extent is any extent with a starting location greater than the ending location or greater than the maximum number of cylinders for that device type. (For Basic System Extensions FB-512 devices, the extents are specified by page numbers. An invalid extent is one in which the starting number exceeds the highest page on the volume. The valid control statements are TEMP, PERM, TDSK, DRCT, or END.)

System Action: If the input is from cards, the card in error is printed and the job step terminated. If it is console input, the proper control statement is requested from the user.

User Action: Correct the control statement or extent information and resubmit the statement. It should be noted that the allocation data overlays the existing data within the allocation record. Therefore, overlapping extents are valid and any errors may be corrected by resubmitting the proper extents. If the END control statement immediately follows the ALLOCATE statement, the allocation table is printed without any alterations.

735E FATAL DASD IO ERROR

    Explanation: An unrecoverable error was encountered on the DASD device being formatted.

    System Action: The job step is terminated immediately and the next control statement is read.

    User Action: Check message DMKFMT736E, displayed just prior to this message, to determine the extent and type of failure.

736E IO ERROR cuu CCHHR = cchhr SENSE = sense

    - - - (Basic System Extensions) - - -

736E IO ERROR cuu {CCHHR = cchhr|BLOCK=nnnnnn} SENSE = sense

    - - - - - - - - - - - - - - - - - -

    Explanation: An I/O error has been detected.

    cuu   - The unit address of the device in error.
    cchhr - The cylinder, head, and record identification of the record in error.
    sense - the sense bytes, in hexadecimal, describing the error condition.
    nnnnnn - the block number of the block error.

    System Action: The job step is terminated and the next control statement is read.

    User Action: Resubmit the job. If the error persists, call your system support personnel.

737E INVALID OPERAND

    Explanation: An operand is in error; it can be seen in the card image displayed following the message.

    System Action: A card image containing the error is printed following the message, and the job step is terminated.

    User Action: Correct the invalid operand in the control statement and resubmit the job.

738A DEV cuu INTERVENTION REQUIRED

    Explanation: Intervention is required on the device at address cuu.

    System Action: The system waits for an interrupt from the card reader or console. When an interrupt is received from either the card reader or the console, that unit is solicited for the next control statement.

    User Action: Correct the error as indicated on the card reader and make the device ready, or switch to console input by signaling attention.

739E FLAGGED PRIMARY TRACK HAS NO ALTERNATE ASSIGNED; IO ERROR FOLLOWS

    Explanation: An I/O operation was attempted on a track that is flagged defective, but has no alternate track assigned to it. Or an improper alternate assignment exits as follows:. The CCHH pointer in record zero of either the defective or the alternate does not point to the other track of the pair. Or one of the two tracks has bits 6 and 7 of the home address flag byte improperly set.

    System Action: Error messages DMKFMT736E and DMKFMT735E follow immediately. The CCHHR address given in message DMKFMT736E identifies the defective track.

    User Action: To restore the disk to a usable condition, perform a disk initialization using IBDASDI.

740E PACK MOUNTED IS 3340-35, NOT 3340-70. MOUNT ANOTHER OR RESPECIFY

    Explanation: The user indicated that the device is a 3340-70, but the sense data indicates that a 3340-35 disk pack is actually mounted. A 3340-35 pack has fewer cylinders than a 3340-70 and cannot be formatted as a 3340-70. However, a 3340-70 can be formatted as a 3340-35.

    System Action: If the input is being entered from a console, the user is prompted to reenter the device address and device type. If the input is from cards the card in error is printed and the job step is terminated.

    User Action: Correct the unit address or device type. Or mount a 3340-70 disk pack in place of the 3340-35.

751E INVALID OPERAND - xxxxxx

    Explanation: The specified operand is invalid.

    System Action: The card image is displayed above the message, and the program is terminated after scanning the remaining statements for syntax.

    User Action: Correct the invalid operand in the control statement and resubmit the job.

752E STATEMENT SEQUENCE ERROR FOLLOWING USER user

    Explanation: A USER definition control statement was determined to be out of sequence following the specified user.

System Action: The statement that is out of sequence is displayed after this message. Directory processing is terminated after the remaining statements are scanned for syntax.

Note: The USER control statement delimits each virtual machine directory description. Therefore, the USER statement must follow the last device description statement, and each OPTION, ACCOUNT, or IPL statement must fall between the USER statement and the first statement describing a device.

With the exception of dummy (NOLOG) users, all users in the directory must have at least one device.

User Action: Place the control statements in the proper sequence or correct the error, and resubmit the job.

753E OPERAND MISSING

Explanation: Insufficient information is contained in the control statement.

System Action: The card image is displayed above the error message. The program is terminated after scanning the remaining statements for syntax.

User Action: Provide the missing operand in the control statement and resubmit the job.

754E DEV cuu NOT OPERATIONAL

Explanation: The device at address cuu is not operational.

System Action: The program is terminated after scanning the remaining statements for syntax.

User Action: Either attach the proper device to the system, or specify the proper device in the DIRECTORY control statement.

755E IO ERROR cuu CSW csw SENSE sense

Explanation: An I/O error has been detected.

cuu   - the unit address of the device in error.
csw   - the channel status word from the error.
sense   - the sense bytes, in hexadecimal, describing the error condition.

System Action: If the error is from the card reader, the program waits for the reader to become ready again. If the error is from the directory volume, the program no longer attempts to write on that volume. In either case, the program attempts to scan the remaining cards for syntax and then is terminated.

User Action: Resubmit the job. If the error persists, call your system support personnel.

756E PROGRAM CHECK PSW = psw

Explanation: A program check has occurred in the program, where psw is the program check old PSW.

System Action: The program goes into a disabled wait state after attempting to display the message.

User Action: Take a standalone dump, and call your system support personnel.

757E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE

Explanation: A hardware error has occurred while running in standalone mode.

System Action: The program loads a disabled wait state PSW after attempting to print the message.

User Action: Run the standalone SEREP program to document the hardware error, so further analysis can be done. Then attempt to rerun the job. If the error persists, save all output and call your system support personnel.

758E DUPLICATE UNIT DEFINITION

Explanation: The control statement is defining a device with a device address that was previously defined for the same user.

System Action: The card image is displayed above the message. The program is terminated after scanning the remaining statements for syntax. Note that checking for duplicate devices may be suspended for an individual user after the first 90 device control statements.

User Action: Remove or correct the duplicate definition, and resubmit the job.

760E NOT ENOUGH SPACE ALLOCATED FOR DIRECTORY

Explanation: There is insufficient space on the directory volume to continue building the directory.

System Action: The program is terminated after scanning the remaining statements for syntax. Writing is suspended on the directory device. The message is reissued for each additional cylinder of count-key-data space needed by the directory program. For Basic System Extensions it is not reissued for FB-512 devices.

User Action: Using the VM/370
Format/Allocate program, allocate more
space on the directory volume. Note that
the Directory program always starts
building a new directory on a fresh
cylinder or separate extent and does not
overlay an existing directory written on
the directory volume. After the directory
is successfully updated, the space used by
the old directory is marked as available
for use by the next directory to be
created.

761E VOLID READ IS volid1 NOT volid2

Explanation: The wrong volume is mounted
on the device described by the DIRECTORY
control statement.

volid1 - the volume serial number from the
directory volume.
volid2 - the volume serial number
described by the DIRECTORY
statement.

System Action: The program is terminated
after scanning the remaining statements for
syntax.

User Action: Correct the DIRECTORY control
statement, or mount the proper volume on
the device described by the DIRECTORY
control statement.

762E DIRECTORY STATEMENT MISSING

Explanation: The first control statement
detected by the program was not a DIRECTORY
control statement.

System Action: The program is terminated
after scanning the remaining statements for
syntax.

User Action: Place the DIRECTORY statements
in front of the other control statements,
and resubmit the job.

763E INVALID FILENAME OR FILE NOT FOUND

Explanation: This message appears only if
running under CMS. The filename and/or
filetype and/or filemode specified on the
CMS command line could not be found on the
CMS files currently logged in. The default
filename, filetype, and/or filemode is USER
DIRECT *.

System Action: RC = 1
Execution terminates.

User Action: Reenter the CMS command;
describe the proper CMS file containing the
DIRECTORY control statements.

764E ERROR IN routine

Explanation: routine is the name of the CMS
routine in error from the first eight
characters of the CMS parameter list. The
CMS return code generated by the error is
returned in the following manner:

RDBUF - the CMS return code plus 100.
TYPLIN - the CMS return code plus 200.

System Action: The program is terminated
after scanning the remaining statements for
syntax.

User Action: Correct the error as
indicated by the CMS return code, and
resubmit the job.

- - - (System Extensions) - - -

**800E COMMAND REJECTED, OTHER VIRTUAL MACHINES
LOGGED ON**

Explanation: Virtual machines, other than
the V=R machine and the VM/370 system
operator's, were logged on.

System Action: None.

Operator Action: Reissue the command after
establishing that only the two valid
machines are logged on the system.

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- - - (System Extensions) - - -

801E FREE STORAGE PAGE IS NOT AVAILABLE

Explanation: Free storage cannot be
obtained for saving the CP PSA, therefore,
the transition was not made.

System Action: None.

Operator Action: Reissue the command when
more free storage is available.

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- - - (System Extensions) - - -

802E COMMAND REJECTED, DEVICES NOT DEDICATED

Explanation: All devices (except the
console and virtual spooling devices) must
be dedicated devices.

System Action: None.

Operator Action: Reissue the command after
verifying that all devices are dedicated.

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- - - (System Extensions) - - -

803E COMMAND REJECTED, SPOOL DEVICES NOT DRAINED

Explanation: All CP spool devices have not
been drained.

System Action: None.

Operator Action: Reissue the command after
all CP spool devices have been drained.

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DMK

- - - (System Extensions) - - -

804E SINGLE PROCESSOR MODE ON REJECTED

Explanation: Single processor mode was not established because of one of the following:

1. VM/370 is not in uniprocessor mode.

2. There is no V=R area.

3. There is no multiprocessor hardware feature.

System Action: None.

Operator Action: Use the SPMODE ON command only when the proper conditions are satisfied.

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- - - (System Extensions) - - -

805E SINGLE PROCESSOR MODE OFF REJECTED

Explanation: Single processor mode has not been reset because the V=R virtual machine has a nonzero prefix value.

System Action: None.

Operator Action: Use the SPMODE OFF command only if the proper conditions are satisfied.

- - - - - - - - - - - - - - - - -

- - - (System Extensions) - - -

806E COMMAND REJECTED, VIRTUAL ADDRESS NOT EQUAL TO REAL ADDRESS

Explanation: The virtual device address was not the same as the real device address.

System Action: None.

Operator Action: Reissue the command after this condition is corrected for the V=R virtual machine.

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- - - (System Extensions) - - -

807E COMMAND REJECTED, VM/370 ATTACHED PROCESSOR MODE

Explanation: VM/370 was not in uniprocessor mode.

System Action: None.

Operator Action: Issue the QVM command when the VM/370 system is in uniprocessor mode.

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- - - (System Extensions) - - -

808I SINGLE PROCESSOR MODE ACTIVE

Explanation: Whenever single processor mode is turned on, the value loaded into the prefix register by VM/370 is displayed.

System Action: None.

Operator Action: None.

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- - - (System Extensions) - - -

809E COMMAND REJECTED, TRACE/ADSTOP IN EFFECT

Explanation: The transition cannot be made for the V=R virtual machine if tracing or adstop is being used.

System Action: None.

Operator Action: Turn off tracing or adstop for the V=R virtual machine and reissue the QVM command.

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850I UNABLE TO READ DUMP FROM READER

Explanation: The VMFDUMP command was unable to read the 3704/3705 dump or the system abend dump from the CP spool file through the CMS card reader. This could be because:

- The reader is not at address 00C,
- The reader at 00C is already in open status from a previous operation, or
- The device in the virtual machine at 00C is not a CP spool card reader device.

User Action: Verify that the virtual machine configuration is correct for performing a VMFDUMP operation and that the card reader at 00C is a spool card reader in closed status.

852I FATAL I/O ERROR WRITING DUMP

Explanation: An unrecoverable I/O error occurred during the writing of the 3704/3705 dump or the system abend dump on the CMS disk being accessed. The message is preceded by CMS error messages for the disk function.

User Action: Reissue the command after taking action to bypass the I/O errors on the CMS disk being accessed.

853I NO DUMP FILES EXIST

Explanation: The VMFDUMP command was specified, and the return from the CP interface indicates that no dump files exist for this user.

User Action: Verify that the dump files produced by the CP system have the userid and the class required, and that this user's userid and class on the card reader match that of the dump, so that a dump file can be read. If no dump files exist, VMFDUMP does not have to be issued. If the dump file exists under a different userid, have the operator transfer that file to the required userid, so that it can be accessed. Also, verify that the input class of the spool card reader at 00C is class D, so that it can read the dump file.

860I FATAL I/O ERROR READING DUMP

Explanation: During the reading of the dump from the CMS disk, an unrecoverable I/O error occurred. This message is preceded by a CMS message indicating the disk failure.

User Action: Take corrective action to bypass the I/O error. Then reissue the command requesting to print the dump previously loaded onto the disk.

861E DUMP FILE 'filename' NOT FOUND

Explanation: The command was specified requesting a printout of a specific dump file, and that file could not be found on the CMS disks that were currently accessed.

User Action: Verify that the correct dump file was specified and that the correct disks are accessed by CMS. Then reissue the command, requesting the specified dump file.

863E INVALID PARAMETER - parameter

Explanation: The command was specified with a list of options, one of which is not recognized by the command.

System Action: The command is not executed.

User Action: Reissue the command; specify only valid options as defined in the command syntax.

900W SYSTEM RECOVERY FAILURE; PROGRAM CHECK

Explanation: The system checkpoint routine encountered a program check while trying to checkpoint or warm start the system.

System Action: The system enters a disabled wait state (wait state code 007).

Note: The general registers, old program PSW, and the program interrupt code are restored to the values at the time of the program check, before entering the wait state.

Operator Action: This message usually indicates severe system problems with the spooling files, system accounting data, or other system data needed for warm start. It is usually impossible to continue system operation without clearing storage and performing a checkpoint start. If a system dump to printer or tape preceded this message, the system programmer has enough information to determine the cause of the failure and the resultant program check during system recovery. The first 12000 bytes (hex 3000) of storage contain the checkpoint module (DMKCKP), work area and a 4096-byte buffer used by checkpoint. This area should be dumped using a standalone dump. If a system dump to printer or tape did not precede this message, do a complete storage dump.

901W SYSTEM RECOVERY FAILURE; MACHINE CHECK, RUN SEREP

Explanation: During the system recovery checkpoint or warm start phase, a machine check occurred.

System Action: The system enters a disabled wait state (wait state code 007).

Operator Action: IPL the system to retry the checkpoint function. If the failure persists, it usually indicates hardware problems. Keep the SEREP output and call your local representative for assistance.

Notes:

1. If the failure occurred during the checkpoint phase (system shutdown, system crash or an IPL with an active system in storage), a CKPT start is required if storage is cleared or overlaid.

2. If the failure occurred during an attempt to warm start, CKPT start, or force start, the warm start data or the warm start cylinder(s) remains intact.

902W SYSTEM RECOVERY FAILURE; FATAL I/O ERROR-{NUCL CYL|WARM CYL}

- - - (Basic System Extensions) - - -

902W SYSTEM RECOVERY FAILURE; FATAL I/O ERROR-{NUCL AREA|WARM AREA}

- - - - - - - - - - - - - - - - - - -

Explanation: During the system checkpoint or warm start phase, an unrecoverable input/output error occurred on the system residence volume.

NUCL CYL The warm start phase had an I/O error on the system residence device trying to read module DMKSAV from one of the nucleus cylinders.

WARM CYL The checkpoint phase had an I/O error on the system residence device trying to read from or write to the warm start cylinder(s).

- - - (Basic System Extensions) - - -

NUCL AREA The warm start phase had an I/O error on the system residence device trying to read module DMKSAV from the nucleus area.

WARM AREA The checkpoint phase had an I/O error on the system residence device trying to read from or write to the warm start area.

- - - - - - - - - - - - - - - - - - -

System Action: The system enters a disabled wait state (wait state code 007).

Operator Action: IPL the system to retry the checkpoint or warm start function. If this is unsuccessful, move the IPL volume, if possible, to another drive and retry the IPL. If the problem persists, dump the first 1200 bytes (hexadecimal 3000) of storage using a standalone dump.

- - - (Basic System Extensions) - - -

If the problem persists, dump the first 38912 bytes (hexadecimal 9800) of storage using a standalone dump.

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Notify your system programmer to determine the proper nucleus or warm start area specified in module DMKSYS (SYSRES statement) at system generation time.

The nucleus or warm start area can be dumped to tape or printed to the system printer by using DDR (DASD Dump Restore program) with the DUMP or PRINT option. The output should be available before calling for hardware or program assistance.

The following storage locations contain information on the fatal I/O error:

Hexadecimal

Location	Contents
10	Sense data up to 24 bytes
40	Channel status word (8 bytes)
48	Channel address word (4 bytes)
808	Pointer to error message (4 bytes)
816	Cylinder address of the first nucleus cylinder (2 bytes)
818	Cylinder address of the last nucleus cylinder (2 bytes)

Hexadecimal

Location	Contents
81C	BBCCHHR of the DMKSAV module on disk (5 bytes)
824	Current seek address BBCCHHR (5 bytes)
800-15FF	Checkpoint program (DMKCKP)
1800-3000	Checkpoint work area and 4096-byte buffer

- - - (Basic System Extensions) - - -

Location	Contents
820	Device class of SYSRES device (RDEVTYPE)
828	BBCCHHR of the DMKSAV module on disk (count-key-data) or locate block number (FB-512)
848	Current seek address BBCCHHR (count-key-data) or locate block number (FB-512)
800-9800	Checkpoint program (DMKCKP), checkpoint work areas, and I/O buffers.

If the SYSRES device is FB-512 (RDEVTYPC=CLASFBA), the contents of the following hexadecimal locations are changed:

816	Page address of the first page of the CP nucleus (4 bytes)
822	Page address of the last page of the CP nucleus (4 bytes)

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Notes:

1. It may be necessary to format the cylinder in error using the Format service program.

2. If the nucleus cylinder(s) is reformatted, the CP nucleus must be restored to the system volume.

3. The status of the console can prevent the display of message DMKCKP960I and DMKCKP961W.

903W SYSTEM RECOVERY FAILURE; VOLID 'volid' ALLOCATION ERROR CYLINDER 'cylinder'

- - - (Basic System Extensions) - - -

903W SYSTEM RECOVERY FAILURE; VOLID 'volid' ALLOCATION ERROR {CYLINDER 'cylinder'|PAGE 'page}

- - - - - - - - - - - - - - - - - - -

Explanation: During a system warm start or CKPT start phase, one of the warm start or CKPT start data records indicates allocation on a cylinder (count-key-data) or page (FB-512) on a system-owned volume that either:

- Is not specified in the allocation table as belonging to the system temporary spool space allocation, or

- Is already marked as allocated.

The possible causes are:

- A change in the system-owned list. (New volumes must be added to the end of the SYSOWN list when you define the SYSOWN MACRO.)

- A change to the allocation record on a spooling volume from TEMP to PERM, TDSK or DRCT (Format/Allocate program).

- Duplicate labeled volume.

System Action: The system enters a disabled wait state (wait state code 009).

Operator Action: IPL the system again to attempt another warmstart or CKPT start. The start cannot complete if the allocation error is due to a software failure. This message, however, could be issued if the volume identified as being a spooling volume is invalid. Verify that all system spooling volumes are correctly mounted before attempting another warmstart or CKPT start. If all else fails, force a CP abend dump to the printer by pressing the RESTART key. IPL the system again, specifying CKPT start.

904W SYSTEM RECOVERY FAILURE; INVALID WARM START DATA

Explanation: During a system warm-start procedure, the warm start module encountered invalid warm start data from the warm start area on the system residence volume.

System Action: The system enters a disabled wait state (wait state code 009).

Operator Action: This message indicates that severe problems have been encountered with the warm start information in the warm start area on the system residence volume. You may IPL the system again to retry operation. It is likely that a software failure has occurred and that retrying the operation will result in the same error. When this happens, the only alternative is to IPL the system and specify a CKPT start. If the problem persists, do the following:

- Force a CP abend dump to the printer by pressing the RESTART key.
- Print the contents of the warm start area located on the system residence volume using the DASD Dump Restore program with the PRINT option.

Save this output and give it to the IBM program support representative to analyze.

905W SYSTEM DUMP FAILURE; PROGRAM CHECK

Explanation: During the system abend process, the dump routine encountered a program check.

System Action: The system enters a wait state.

Operator Action: The dump has failed, and you must IPL the system again after the abend dump and go through normal system initialization and warm start procedures.

906W SYSTEM DUMP FAILURE; MACHINE CHECK, RUN SEREP

Explanation: During the system ABEND dump procedure, a machine check occurred.

System Action: The system enters the wait state.

Operator Action: Run the SEREP program and keep the output before calling IBM for hardware support; reload the system and go through normal initialization and warm start procedures.

907W SYSTEM DUMP FAILURE; FATAL I/O ERROR

Explanation: During the system abend dump procedure, an unrecoverable I/O error occurred on the system residence volume that is holding the disk dump. The system dump is unable to continue.

System Action: The system enters the wait state.

Operator Action: No action can be taken at this point to recover the system dump data. You should reload the system, go through the normal initialization procedures, and perform a system warm start.

908I SYSTEM FAILURE; CODE - code

Explanation: The CP system has encountered a severe software failure, which caused a system dump. (See "CP Abend Codes" for a description of why a system dump has been caused.)

System Action: This message is immediately followed by a system abend dump to the dump device, and then automatic or normal restart procedures are initiated.

Operator Action: Save the failure code printed at the console, including the documentation of activity prior to the problems with system operation, and call IBM for software support.

909W SYSTEM DUMP DEVICE; NOT-READY

> **Explanation:** It is not possible to write on the system dump device because it is not in a ready state.
>
> **System Action:** The system enters a wait state.
>
> **Operator Action:** Make the system dump device ready; the dump operation then continues.

910W SYSTEM RECOVERY FAILURE: INVALID WARM START CYLINDER

> - - - (Basic System Extensions) - - -

910W SYSTEM RECOVERY FAILURE: INVALID WARM START AREA

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> **Explanation:** During a system checkpoint phase, the checkpoint module reads record one of the first warm start cylinder or area and compares the tight-byte clock value written by the previous successful cold or warm start against the in-storage value saved in DMKRSPCV. If the values do not agree:
>
> - The IPL volume is not the correct volume to checkpoint the in-storage system, or
>
> - The warm start cylinder or area has been altered since the last cold or warm start, or
>
> - The value located at DMKRSPCV in storage has been altered since the last cold or warm start, or
>
> - The warm start cylinder or area address at DMKSYSWM has been altered since the last cold or warm start.
>
> **System Action:** The system enters a disabled wait state (wait state code 007).
>
> **Operator Action:** If more than one VM/370 system residence volume is mounted, make sure the correct volume is loaded (via IPL) to checkpoint the in-storage system. If the problem persists, the following should be done:
>
> - A dump of storage using a standalone dump.
>
> - A printout of record one of the warm start cylinder of all VM/370 system residence volumes mounted (use the DDR PRINT function).
>
> - To restart, clear storage and IPL the VM/370 system, specifying checkpoint start.

911W SYSTEM RECOVERY FAILURE: WARM START AREA FULL

> **Explanation:** During a system checkpoint phase, the warm start area could not contain all the warm start data.
>
> **System Action:** The system enters a disabled wait state (wait state code 007).
>
> **Operator Action:** This message usually indicates either:
>
> 1. A system problem with the spooling files, system accounting data, allocation records and other system data needed for the warm start area, or
> 2. An insufficient number of cylinders assigned for warm start (specified in the DMKWRM option of the SYSRES macro).
>
> It is usually impossible to continue system operation without clearing storage and performing a system checkpoint start. If a system dump to printer or tape preceded this message, it should give the system programmer enough information to determine the cause of the failure and the resultant checkpoint failure. The first 12000 bytes (hexadecimal 3000) of storage contain the checkpoint module, work area, and a 4096-byte buffer used by checkpoint (DMKCKP).
>
> - - - (Basic System Extensions) - - -
>
> The first 38912 bytes (hexadecimal 9800) of storage contain the checkpoint modules, work areas, and I/O buffers.
>
> - - - - - - - - - - - - - - - - - - -
>
> If the problem persists, call your system support personnel.

912W SYSTEM RECOVERY FAILURE; VOLID 'volid' NOT MOUNTED

> **Explanation:** During the system warm start or checkpoint start procedures, the warm start or checkpoint start data indicates that spool files are allocated on a system volume and that the requested volume is not mounted.
>
> The possible causes are:
>
> - Volume not mounted.
> - Allocation record (record 4) missing or invalid.
>
> **System Action:** The system enters a disabled wait state (wait state code 009).
>
> **Operator Action:** Mount the specified volume required for CP warm start or checkpoint start procedures and IPL the system again. If this is unsuccessful, you may IPL the system again and specify a cold start. If the problem persists, do the following:

- Force a CP abend dump to the printer by pressing the RESTART key.

- Print the contents of the warm start or checkpoint start cylinder(s) or area located on the system residence volume, using the DDR (DASD Dump Restore) program with the PRINT option. The address of the warm start cylinder(s) or area can be located by the system programmer in the SYSWRM operand of the SYSRES macro; the address of the checkpoint start cylinder(s) or area is in the SYSCKP operand.

Save this output and call IBM for software support.

913I CP OWNED VOLID xxxxxx INVALID FOR 3330V

> Explanation: 3850 support makes no provision for using 3330V volumes for CP-owned volumes. 3330V volumes cannot be used for paging or spooling.
>
> System Action: After a 3330V volume label has been read and determined to be CP-owned, an informational message is issued. The RDEVBLOK/RCUBLOK/RCHBLOK is marked available and processing continues with the next device. The message notifies the user that DMKCPI does not chain the 3330V RDEVBLOK into the preferred list for paging or spooling.
>
> User Action: None.

915E PERMANENT I/O ERROR ON CHECKPOINT CYLINDER

- - - (Basic System Extensions) - - -

915E PERMANENT I/O ERROR ON CHECKPOINT AREA

- - - - - - - - - - - - - - - - -

> Explanation: An I/O error has occurred while trying to read or write the checkpoint cylinder or. area.
>
> System Action:
> 1. If this occurs during a warm or CKPT start, the system issues message DMKCKS919E and enters a wait state with wait state code X'00E'.
>
> 2. If it occurs while the system is operating normally, dynamic checkpointing is terminated.
>
> Operator Action:
> 1. If this is the first time you have initialized this system, check the DMKRIO deck to make sure you have specified the proper device type for the VM/370 system residence volume.

2. If this is not the first IPL of this system, try to IPL the system again. If this fails, move the VM/370 SYSRES volume to another device and reload (via IPL). If this IPL fails, perform a cold start.

3. At this point, checkpointing has been terminated, so the system is running without a dynamic checkpoint capability. Quiesce the system and issue a normal SHUTDOWN command, then attempt a warm start. If the error persists, reformat the checkpoint cylinders or area with the FORMAT service program and try again to warm start. If this fails, a cold start is required.

916E ERROR ALLOCATING SPOOL FILE BUFFERS

> Explanation: In attempting to follow the chain of DASD buffers for a spool file, an error was encountered in trying to read one of the buffers.
>
> System Action:
> 1. If CKPT was specified, the system enters a disabled wait state, with wait state code X'00E'.
>
> 2. If FORCE was specified, the file on which the error occurred is deleted and the system continues to recover from the checkpoint cylinder or area.
>
> Operator Action:
> 1. If the system enters the '00E' wait state, attempt an IPL with the FORCE option.
>
> 2. If FORCE was specified, no action is required, but you should note that at least one spool file was not recovered properly.

917E CHECKPOINT CYLINDER INVALID; CLEAR STORAGE AND COLD START

- - - (Basic System Extensions) - - -

917E CHECKPOINT AREA INVALID; CLEAR STORAGE AND COLD START

- - - - - - - - - - - - - - - - -

> Explanation: The CKPT cylinder or area contains no valid information for recovery.
>
> System Action: The system enters a disabled wait state (wait state code 00E).
>
> User Action: There is no valid checkpoint data and, if there is no warm start data, storage must be cleared and a cold start performed.

DMK

919E CHECKPOINT CYLINDER INVALID; CHECKPOINTING TERMINATED

- - - (Basic System Extensions) - - -

919E CHECKPOINT AREA INVALID; CHECKPOINTING TERMINATED

- - - - - - - - - - - - - - - - - - -

Explanation: The CKPT cylinder or area has been invalidated and checkpointing will no longer be performed. The reason should have appeared in a previous message.

System Action: Checkpointing cannot resume until the system is reloaded (via IPL).

Operator Action: With knowledge that a subsequent CKPT start will fail, the operator should follow installation procedure in this matter. Probably, the safest procedure is to quiesce the system and perform a normal shutdown. Then, a subsequent warm start will reinitialize the CKPT cylinder or area so that checkpointing can resume. Note that continued system operation and a subsequent failure to shut down normally makes a cold start mandatory.

920W NO WARM START DATA; CKPT START FOR RETRY

Explanation: The operator has specified a warm start and the warm start cylinder of the system residence volume has no warm start data. This message is usually issued when an IPL is performed on a new CP system for the first time, or when the last checkpoint was not successful.

System Action: The system enters a disabled wait state (wait state code 009).

Operator Action: Try to reinitialize the system with the CKPT start option.

921W SYSTEM RECOVERY FAILURE; UNRECOVERABLE I/O ERROR

Explanation: During the system warm start phase, an unrecoverable input/output error occurred on the system residence device while the system was either trying to write record one of the first warm start cylinder or area or trying to read warm start information from the warm start area.

System Action: The system enters a disabled wait state (wait state code 009).

Operator Action: IPL the system again to retry the warm start function. If this is unsuccessful, the IPL volume, if movable, could be moved to another drive and the IPL retried.

Warning: A volume should never be moved if it is visibly damaged; discontinue use of this volume and device and call IBM for hardware support.

If this second IPL is unsuccessful, you may IPL the system again and try a CKPT, FORCE or COLD start, in that order. The DMKDAS5xxI error message preceding this message gives the command op-code, device address, sense data and channel status word associated with this error. If the problem persists, force a CP dump to the printer by pressing the system console RESTART key. Save the output and call your system support personnel to determine whether the problem is hardware or software. Then call IBM for the appropriate support.

Note: The warm start cylinder(s) or area(s) may have to be reformatted using the FORMAT service program to prevent unrecoverable I/O errors during the next system checkpoint.

922W SYSTEM RECOVERY FAILURE; INVALID SPOOLING DATA

Explanation: During the system checkpoint phase, the checkpoint module encountered an invalid spool allocation record in storage.

System Action: The system enters a disabled wait state (wait state code 007).

Operator Action: This message usually indicates severe system problems with the system spooling allocation records. It is usually impossible to continue system operation without clearing storage and performing a checkpoint start. If a system dump to printer or tape preceded this message, it should give the system programmer enough information to determine the cause of the failure and the resultant checkpoint failure. The first 12000 bytes (hexadecimal 3000) of storage contain the checkpoint module, work area and a 4096-byte buffer areas, and I/O buffers used by checkpoint (DMKCKP). This area should be dumped using standalone dump procedures.

- - - (Basic System Extensions) - - -

The first 38912 bytes (hexadecimal 9800) of storage containe the checkpoint module, work areas, and I/O buffers used by checkpoint (DMKCKP). This area should be dumped using standalone dump procedures.

- - - - - - - - - - - - - - - - - - -

If a system dump to printer or tape did not precede the message, the complete storage should be dumped.

950A AUTO LOGON FAILED; EXPLICIT LOGON REQUIRED

Explanation: The automatic logon of the operator has failed. The reason for the failure is given in one of the logon failure messages that preceded this message.

96   IBM VM/370 System Messages

System Action: The system enters a normal wait state while waiting for the operator to reply to the console and perform a normal logon.

Operator Action: Perform a normal logon as specified in the VM/370 Operator's Guide, entering the required password. The system can then resume normal operation.

951I CP VOLID volid NOT MOUNTED

Explanation: One of the volumes specified in the system-owned list is not mounted at system initialization time.

System Action: System processing continues.

Operator Action: No operator action is explicitly required at this time; however, you may have to mount and make ready specified system volumes later during system operation and attach them to the system for normal CP usage. This message usually indicates that a normally required volume for paging or spooling either is not formatted or is not available at IPL time. Make sure that all volumes are mounted and ready before loading the CP system. It may be necessary to bring the system to an orderly shutdown, remedy the situation, and IPL the system again, using normal initialization and warm start procedures.

952I nnnnnK SYSTEM STORAGE

Explanation: During the system IPL procedure, the system determined that the amount of real storage available is not the same as the amount of storage specified for the system at system generation time.

System Action: The system continues normal operation.

Operator Action: Determine that no unusual hardware reconfiguration has taken place, and bring the message to the attention of your system programmer so that he can verify that normal system operation is in effect. He should also verify that the RMSIZE operand, specified in the SYSCOR macro of the DMKSYS module during system generation, is correct. If it is not, regenerate the system with the correct storage size, so that this message will not be issued during normal operation of the system. If the RMSIZE operand is correct, real storage may have been damaged due to a hardware problem; call IBM for hardware support.

953I UNABLE TO ALLOCATE SYSTEM AUTO DUMP

Explanation: During the system IPL procedure, the CP system was unable to find enough contiguous disk space to hold a possible CP abend dump.

System Action: The system continues normal operation.

Operator Action: No action on the part of the operator is necessary. The system dump has been set to the default of the system printer. The operator may change the dump to another printer or tape drive but may not specify AUTO since it has not been allocated.

954E DASD raddr VOLID volid NOT MOUNTED; DUPLICATE OF DASD raddr

Explanation: During the system IPL procedure, duplicate volume IDs were identified on two disk volumes. The message indicates that it was a duplicate of a previous volume label read on an earlier device.

System Action: The system continues normal operation.

Operator Action: Immediately verify that the correct volume is mounted as the one accepted on the specified device. If it is not, severe system errors could occur since CP may perform incorrect allocation on the volume specified. Immediately stop the system, bring it to an orderly shutdown, and remove the incorrect duplicate volume from the system. This message and the duplicate volumes usually occur after a system restart when users have attached and mounted on the system volumes with labels similar to those of other users or similar to the CP system volumes. This should be avoided wherever possible.

955W INSUFFICIENT STORAGE FOR VM/370

Explanation: The generated system is larger than the real machine size, or a hardware malfunction has occurred which inhibits VM/370 from using the necessary storage.

System Action: The system enters the wait state.

Operator Action: Take a standalone dump and notify the system programmer.

956A DASD cuu VOLID volid NOT MOUNTED; NOW OFFLINE

Explanation: A DASD volume was swapped while in use by the system (CP owned or attached to the system), and the volid on the new volume is different from the volid of the previously mounted volume, or the volid could not be read.

System Action: The DASD device is made unavailable offline. Any I/O activity to the device results in a condition code of 3 being reflected to the caller.

Operator Action: Mount the desired volume and issue the CP command VARY with the ONLINE operand.

957I STOR sssssK, NUC nnnk, DYN dddddK, TRA tttk, FREE FFFFK, V=R vvvvvK

Explanation: This message is issued at system initialization time by DMKCPI and provides a general map of VM/370 system storage. This map is accurate to within one page (4K) and is rounded to page boundaries.

STOR is the amount of storage being used.

NUC is the amount of storage being used by the VM/370 nucleus including real page 0.

DYN is the size of the VM dynamic paging area.

TRA is the size of the trace table.

FREE is the size of the fixed free storage area.

V=R is the size of the virtual=real area.

System Action: The system continues normal operation.

Operator Action: None. This message is for information purposes only.

958I ATTACHED PROCESSOR NOW OPERATIONAL

Explanation: The real machine initialization routine, DMKCPI and DMKAPI, have completed the necessary processing to support the attached processor. This message will only be received when the installation has requested attached processor support via system generation.

System Action: The system begins utilization of the attached processor.

Operator Action: None.

Note: If this message is received, the 8K required for system prefixing will not appear in the storage map of message 957I.

959W ATTACHED PROCESSOR NOT ONLINE

Explanation: The installation requested attached processor support during system generation. DMKCPI determined during IPL, that the unit was not online.

System Action: Processing continues without the attached processor.

Operator Action: Reinitialize CP if the attached processor is required.

Note: Since the intent of this message is to provide a warning to the attached processor user, it will only be issued when the multiprocessing feature is installed.

If the system is generated with attached processor support and this feature is not installed, no message is issued.

960I SYSTEM WARM START DATA SAVED

Explanation: For DMKCKP, this message indicates that the warm start data has been successfully saved on the system residence volume and is ready for a system warm start. For DMKCPI, this message indicates that since warm start has not been performed, the warm start information on the warm start cylinder or area from previous shutdown is still valid.

This message is immediately followed by message DMKCKP961W.

System Action: The system enters the wait state after issuing message DMKCKP961W.

Operator Action: None. This message is for information purposes only.

961W SYSTEM SHUTDOWN COMPLETE

Explanation: The system has been brought to a successful orderly shutdown.

System Action: The system enters the wait state.

Operator Action: No explicit action is necessary. You may now or at a later time reload for reinitialization of the CP system. You should normally specify a warm start; however, if errors are encountered in the warm start procedure, a cold start must be issued.

- - - (Basic System Extensions) - - -

965I CP OWNED DASD cuu VOLID volid INVALID ALLOCATION RECORD

Explanation: No valid allocation was found on the CP-owned volume indicated.

System Action: The volume is not mounted. Operation continues.

Operator Action: If the volume is to be used by VM/370, a valid allocation record must be written with the Format/Allocate Service Program.

- - - - - - - - - - - - - - - - - - -

970W TOD CLOCK SYNC CHECK RECEIVED

Explanation: The TOD clocks are out of synchronization.

System Action: The system resynchronizes the clocks and continues processing.

Operator Action: Press the TOD Enable Set key when instructed by the system.

Conversational Monitor System (CMS) Messages

001E NO FILENAME SPECIFIED

> Explanation: The command requires that you specify at least one filename.
>
> With the EXEC command, you must specify the name of the EXEC file.
>
> With the MACLIB command, you must specify at least one filename in addition to the library name.
>
> With the ZAP command, if you specify a LOADLIB or TXTLIB file you must specify one to three library names.
>
> System Action: RC = 24
> Execution of the command terminates. The system status remains the same.
>
> User Action: Reissue the command and specify the filename(s) or library name(s).

002E [INPUT|OVERLAY] {FILE|DATA SET} ['fn [ft [fm]]'] NOT FOUND

- - - (Basic System Extensions) - - -

002E [INPUT|OVERLAY] {FILE[(S)]|DATA SET} ['fn [ft [fm]]'] NOT FOUND

- - - - - - - - - - - - - - - - -

> Explanation: The specified file was not found on the accessed disk(s). Either the file does not reside on this disk, the file identification was misspelled, or incomplete identification was provided to cause the appropriate disk to be searched, or system disk was not accessed as a read-only extension of the A-disk.
>
> For a DMSROS TEXT file, either the file does not have a filemode number of 2, or the file does not exist on the system disk.
>
> For the HELP facility (DMSHLP), when the command line specifies only one operand, HELP does not know if the request is for a CMS command or message. Therefore, HELP first searches for a valid command and if it finds none, searches for a valid message. If it finds neither, the error message lists the filenames and filetypes of both searches as not found.
>
> For the STATEW command, the file may exist, but it is not on any of the user's read/write disks.
>
> For the ZAP command, either none of the libraries specified for a TXTLIB or LOADLIB could be found, or the INPUT filename could not be located via the STATE macro.

See the VM/370 CMS Command and Macro Reference for a description of the file identification required by each command and the search procedure used. For the ASM3705 and ZAP commands, see the VM/370 Planning and System Generation Guide.

System Action: RC = 28
Execution of the command is terminated. The system status remains the same.

For DMSLIO, some loader information fields have been initialized, but they should not interfere with a subsequent LOAD command.

User Action: Find or create the desired file. To make sure that the file exists, issue STATE fn ft * or LISTFILE fn ft *. Correct and reissue the command.

For a DMSROS TEXT file, ensure that the file is accessible and reissue the command.

002I FILE 'fn' TXTLIB NOT FOUND

> Explanation: The specified TXTLIB file was not found on the accessed disk(s). Either the file does not reside on this disk, the file identification was misspelled, or insufficient identification was provided to cause the proper disk to be searched.
>
> This message will also occur in the following situations: a user issues a GLOBAL command for a TXTLIB and then erases or renames the TXTLIB, or releases the disk on which it resides then enters the command SET SYSNAME, or if the CMS segment is not available when the user accesses an OS disk or DMSSVT.
>
> System Action: RC = 0
> Execution of the command continues.
>
> User Action: If 'fn TXTLIB' is required for command execution, make sure that it exists and is on a disk that is accessed. Otherwise, ignore the message.

002W FILE 'fn ft [fm]' NOT FOUND

> Explanation: The specified file was not found on the accessed disk(s). Either the file does not reside on this disk, the file identification was misspelled, or incomplete identification was provided to cause the appropriate disk to be searched. (See the VM/370 CMS Command and Macro Reference for a description of the file identification required by each command and the search procedure used.)
>
> System Action: DMSGLB issues RC = 28; all other modules issue RC = 4. Execution of the command continues.

For DMSGLB, the old MACLIB or TXTLIB list is cleared and the new list contains all specified libraries except those that are not found.

For DMSGND, there will be no entry in the directory for the file not found.

For DMSLBM, the file not found will not be in the MACLIB. Processing continues with the next filename if one exists.

For DMSLBT, processing continues with the next filename if one exists.

For DMSZAP, if a library name was specified, the next library name (if one is present) is used. If a MODULE file was specified, all control records encountered until the next NAME, DUMP, or END control record are ignored.

User Action: To make sure the file exists, issue STATE fn ft * or LISTFILE fn ft *. Make sure that the disk on which the file resides is accessed.

For DMSGND, if you must have the file not found in the directory, take steps to supply the file. Correct and reenter the command.

For DMSLBM, if the MACLIB exists after execution of the command, use the MACLIB ADD command to add the file to the library.

For DMSLBT, supply the necessary file using the TXTLIB ADD command.

003E INVALID OPTION 'option'

Explanation: The specified option is invalid. It may have been misspelled or, if the option is truncatable, it may have been truncated improperly, or it may conflict with another option in the command line.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

For DMSLIO, some option processing may have caused user storage to be cleared or the location counter set, etc. This should not interfere with a subsquent LOAD command.

User Action: Correct and reenter the command.

004E {BOOK 'subl.book'|MODULE 'module'|PHASE 'phase'|PROCEDURE 'procedure'} NOT FOUND

Explanation: The specified book, module, phase, or procedure was not found on the accessed disk(s) as a result of a FETCH (SVC 1 or SVC 2).

System Action: RC = 28
Execution of the command is terminated. The system status remains the same.

User Action: To make sure the file exists, issue the command DOSLIB MAP against all DOSLIB files. If the file resides on a DOS-formatted disk, a DSERV will help locate it.

004W WARNING MESSAGES ISSUED

Explanation: The language processor returned completion code 4.

System Action: RC = 4
The system status remains the same.

User Action: Look for additional messages that may have been issued by the compiler.

005E NO 'option' SPECIFIED

Explanation: The indicated option was entered in an incomplete form.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reenter the command, specifying the required data for the option.

006E NO READ/WRITE ['A'] DISK ACCESSED [FOR 'fn ft']

Explanation: The user does not have access to a read/write disk on which the command can write its output or utility files. If the message displayed is NO READ/WRITE 'A' DISK ACCESSED, the command, in order to be executed, requires that the A-disk be accessed in read/write mode.

System Action: RC = 36
Execution of the command is terminated. The system status remains the same.

User Action: Access a read/write disk and reissue the command, or issue the CP LINK command to reset the A-disk to read/write mode, access the A-disk again, and reissue the command.

007E FILE 'fn ft fm' [IS] NOT FIXED, 80 CHAR. RECORDS

Explanation: The specified file must have fixed-length, 80-character records in order for the command to be executed.

System Action: RC = 32
Execution of the command is terminated. The system status remains the same.

For the UPDATE command, the following may have occurred:

• If a file with the fileid "$fname ftype" existed on the output disk before the command was entered, this file may have been erased.

- If the DISK option was in effect and a file with the fileid "fname UPDLOG" existed on the output disk before the command was entered, this file may have been erased.

- If the CTL option was in effect and a file with the fileid "fname UPDATES" existed on the output disk before the command was entered, this file may have been erased.

- If UPDATE processing began before the error was detected, any or all of the following files may have been created on the output disk:

  UPDATE CMSUT1
  $fname ftype
  fname UPDLOG   - if the DISK option was in effect
  fname UPDATES - if the CTL option was in effect

  User Action: It is possible that an incorrect fileid was specified in the command line. In this case, reissue the command. If, however, the fileid was correct but the file is in the wrong format or does not contain 80-character records, change the file's format and/or record length with the COPYFILE or EDIT command.

008E DEVICE   'cuu'   {INVALID   OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}

Explanation: The virtual machine does not have a virtual 1403 or 3211 printer, punch, or reader.

System Action: RC = 36
Execution of the command is terminated. The system status remains the same.

User Action: Use the CP DEFINE command to provide a suitable virtual device and reissue the command.

008W ERROR MESSAGES ISSUED

Explanation: The language processor returned completion code 8.

System Action: RC = 8
The system status remains the same.

User Action: Look for additional messages that may have been issued by the compiler.

009E COLUMN 'col' EXCEEDS RECORD LENGTH

Explanation: The column specified lies outside the logical record length of the file.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command, specifying the correct column.

010E PREMATURE EOF ON FILE 'fn ft [fm]'

Explanation: For DMSCMP, an end of file occurred on one of the files being compared before the end of file was received on the other.

For DMSTPE, a tape mark was encountered on the file before the file was completely loaded.

System Action: RC = 40
Execution of the command is terminated. The system status remains the same.

For DMSTPE, a temporary file called "TAPE CMSUT1" containing the data has been created on the A-disk or on the disk specified by the user. "TAPE CMSUT1" contains fixed-length, 800-byte records.

User Action: For DMSCMP, this normally indicates that the files being compared had an unequal number of records. If the command was properly specified, no action is necessary.

For DMSTPE, the file may have to be dumped to tape again.

010W PREMATURE EOF ON FILE 'fn ft fm' -- SEQ NUMBER '........' NOT FOUND

Explanation: The update file contained an error. A control card specified a search for a sequence number which exceeded the value of any sequence number in the file being updated. As a result, a premature end of file occurred on the input file being updated, before the sequence number specified in the control card could be found.

System Action: RC = 12
Update processing continues, and, if the CTL option was specified, additional update passes are made.

If several warning messages are generated during the updating process, the final return code when the UPDATE command has finished processing is the maximum of all return codes (4 or 8 or 12) associated with the generated warning messages. The REP option, if it was specified, is ignored, and the final update deck has the fileid '$fname ftype'.

See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Correct the invalid control card in the update file, and reenter the UPDATE command.

011E CONFLICTING FILE FORMATS

Explanation: The filetypes specified do not
have the same record format; that is, one
is fixed-length and one is variable-length,
or the record lengths differ.

System Action: RC = 32
Execution of the command is terminated.
The system status remains the same.

User Action: Change the record format with
the COPYFILE command.

012W SEVERE ERROR MESSAGES ISSUED

Explanation: The language processor
returned completion code 12.

System Action: RC = 12
The system status remains the same.

User Action: Look for additional messages
that may have been issued by the compiler.

013E MEMBER 'name' NOT FOUND IN LIBRARY ['fn ft
fm']

Explanation: The specified member was not
found in the library.

System Action: RC = 32
Execution of the command is terminated. The
system remains in the same status as before
the command was entered.

User Action: Use the MACLIB MAP or TXTLIB
MAP command to display the names of library
members.

013W {MEMBER|PHASE} 'name' NOT FOUND IN LIBRARY
'fn ft fm'

Explanation: The member or phase specified
was not found in the specified library. If
REPLACE was specified, the new member is
added.

System Action: RC = 4
Processing continues with the next
filename.

User Action: None.

014E INVALID FUNCTION 'function'

Explanation: The function specified is
misspelled or invalid.

System Action: RC = 24
Execution of the command is terminated. The
system status remains the same, with the
following exceptions:

For DMSOVR, SVCTRACE is turned off if it
was previously on.

For DMSTPE, if the DEN, TRTCH, 7TRACK, or
9TRACK options were specified, the modeset
byte has been set for the specified device
(TAPi, where: i = 1, 2, 3, 4,) or TAP1.

User Action: Reenter the command,
specifying a valid function.

015E {UNKNOWN   {CP/CMS|CMS|CP} |INVALID
{CMS|SUBSET}} COMMAND

Explanation:

UNKNOWN CP COMMAND
    indicates that IMPCP (implied CP) was on
    so the command was passed to CP, but no
    CP command could be found with the name
    entered.

UNKNOWN CMS COMMAND
    indicates that no CMS command, CMS or
    user EXEC file, or user MODULE file
    exists by the name entered.

UNKNOWN CP/CMS COMMAND
    indicates that no CP or CMS command could
    be found with the name entered.

INVALID CMS COMMAND
    indicates that an error has occurred in
    LOADMOD.

INVALID SUBSET COMMAND
    indicates that the loader has tried to
    load a routine at an address equal to or
    higher than X'20000'. The command you
    issued may be a valid CMS command, but
    not a valid subset command.

System Action: A positive return code is
passed if an error occurs in CP processing.
A negative return code is passed if the
command entered is considered an invalid
CMS command. The system status remains the
same.

User Action: Enter a command.

016E NO PRIVATE CORE IMAGE LIBRARY FOUND

Explanation: The private Core Image Library
called does not exist on the accessed disk,
or the DLBL was incorrect.

System Action: RC = 28
Execution is terminated. System status
remains the same.

User Action: Access the proper disk or
alter the invalid DLBL.

016W TERMINAL ERROR MESSAGES ISSUED

Explanation: The language processor
returned completion code 16.

System Action: RC = 16
The system status remains the same.

User Action: Look for additional messages that may have been issued by the compiler.

017E INVALID DEVICE ADDRESS 'cuu'

Explanation: The device address was not specified correctly, or the device was not accessed.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Check the specified device address and reissue the command.

Note: For a virtual machine with ECMODE on, a valid cuu is within the range X'001' through X'FFF'. Otherwise, a valid cuu is within the range X'001' through X'5FF'.

018E NO LOAD MAP AVAILABLE

Explanation: The module file was created with the NOMAP option of GENMOD or is a transient area routine.

System Action: RC = 40
Execution of the command is terminated. The system status remains the same.

User Action: Regenerate the module file with the MAP option and reissue the command.

019E IDENTICAL FILEIDS

Explanation: The fileids specified in the command line are identical.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command, specifying two different fileids.

020W INVALID PDUMP ADDRESS 'address' - NO DUMP OPERATION PERFORMED

Explanation: The address specified in the PDUMP macro is invalid for one of the following reasons:

• add2 must be greater than add1.
• add1 cannot be negative.
• add1 cannot be greater than ppend (the end of the virtual partition).
• add2 cannot be negative.

System Action: The macro results in no operation. No dump is provided; processing continues.

User Action: None.

021E ENTRY POINT 'name' NOT FOUND

Explanation: For DMSGND, the specified directory name was not found in the loader tables.

For DMSLIO and DMSNCP, an entry point name specified either with the START command or on an LDT card could not be located in the loaded TEXT files.

For DMSMOD, the name used with the FROM or TO option of the GENMOD command does not occur in the currently loaded files.

System Action: RC = 40
Execution of the command is terminated. The system status remains the same.

For DMSLIO and DMSNCP, no execution takes place for LDT. Loading stops. Loader clean-up has been processed for the loaded files. A subsequent START command should not be affected.

For DMSMOD, the module is not created.

User Action: For DMSGND, reload the auxiliary directory and reissue the command.

For DMSLIO and DMSNCP, reissue the START command with the proper entry point or control section name, or asterisk (*). Correct the LDT card with the CMS Editor.

For DMSMOD, correct the GENMOD command line or add the requested name as an external name in the files being generated.

021W NO TRANSIENT DIRECTORY

Explanation: A request was made to display a transient directory, but neither a private core image library nor a system residence library was assigned.

System Action: RC = 4
Execution of the command continues until all specified directories are processed.

User Action: Ensure that the proper libraries are assigned and reissue the command.

022E NO DIRECTORY NAME SPECIFIED

Explanation: A directory name was not entered with the command.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command with a directory name.

022W NO CORE IMAGE DIRECTORY

Explanation: A request was made to display a core image directory, but neither a private core image library nor a system residence library was available.

System Action: RC = 4
Execution of the command continues until all specified directories are processed.

User Action: Ensure that the proper library is assigned and reissue the command.

023E NO FILETYPE SPECIFIED

Explanation: The command requires that you specify both filename and filetype.

For the DLBL command, both are required if you specify the CMS operand.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

For DMSTPE, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1.

User Action: Reenter the command, specifying the filename and filetype.

023W NO RELOCATABLE DIRECTORY

Explanation: A request was made to display a relocatable directory, but either no private or system relocatable library was available or no active entries were present on the appropriate directory.

System Action: RC = 4
Execution of the command continues until all specified directories are processed.

User Action: Ensure that either the proper library is assigned or that active relocatable entries are available in the directory and reissue the command.

024E FILE 'fn ft fm' ALREADY EXISTS [-- SPECIFY 'REPLACE']

Explanation: The specified file already exists.

For DMSEDI, the Editor work file, EDIT CMSUT1, already exists as the result of a previous edit session ending abnormally.

For DMSUPD, a file with the fileid 'UPDATE CMSUT1' already exists. This usually indicates that the UPDATE command was executed previously and and was terminated abnormally, and that it left a work file on the output disk at that time.

System Action: RC = 28
Execution of the command is terminated. The system status remains the same, with the following exception:

For DMSCPY, if you were creating multiple output files, several output files may have been created before the error was discovered.

User Action: You can use the TYPE command to examine the existing file. If you decide you want to keep it, use the RENAME command to give it a new fileid. If the file is invalid or incomplete, erase it and reissue the command; or for DMSCPY, reissue the command and specify the REPLACE option.

024W NO PROCEDURE DIRECTORY

Explanation: A request was made to display a procedure directory but no system residence library was assigned.

System Action RC = 4
Execution of the command continues until all specified directories are processed.

User Action: Ensure that the system residence library is assigned and reissue the command.

025E INVALID DATA IN 370X CONTROL PROGRAM

Explanation: One of the following conditions has occurred:

For specified EP or PEP -- The implied or channel vector table was not found.

For NCP or PEP -- The maximum resource ID exceeds 4086 bytes.

For NCP or PEP -- The first resource is not the 370X.

System Action: RC = 16
Execution of the command is terminated.

User Action: Make sure that the 370X control program has been generated with the correct parameters and that the correct CAMOD operand value was used on the SAVENCP command. For the correct parameters for 370X control program generation, refer to the _VM/370 Planning and System Generation Guide_.

025W NO SOURCE STATEMENT DIRECTORY

Explanation: A request was made to display a source statement directory, but either a private source statement library or a system residence library was not available or there were no source statement entries in the library available.

System Action: RC = 4
Execution of the command continues until all specified directories are processed.

User Action: Ensure that either the proper library is assigned or that active source statement entries are present in the directory and reissue the command.

026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION

Explanation: The data specified for the given function is misspelled, missing or incorrect.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command, specifying valid data for the function.

026W 'phase' NOT IN LIBRARY

Explanation: A request was made to display a certain entry or entries in a core image directory but the entry or entries were not in the library.

System Action: RC = 4
Execution of the command continues until all specified directories are processed.

User Action: Reissue the command, specifying the proper phase name.

027E INVALID DEVICE {'device name'|'device' FOR 'SYSxxx'}

Explanation: The device specified is invalid, or, if the message is INVALID DEVICE 'device' FOR 'SYSxxx', the device associated with the specified logical unit is not supported by the processor.

System Action: RC = 24, except for DSERV, which issues RC = 28.
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command, specifying a valid device name. Or, for DMSERV, use the command LISTIO SYSxxx to verify the device to which the logical unit is assigned. Reassign the logical unit to a valid device and reissue the command.

027W NO PRIVATE CORE IMAGE LIBRARY

Explanation: A request was made to display the core image directory of a private core image library, but no entries were present.

System Action: RC = 4
Execution of the command continues until all specified directories are processed.

User Action: None.

028E NO {DEVICE|LOGICAL UNIT} SPECIFIED

Explanation: The command requires that you specify a device address or logical unit.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command, specifying a valid device address or logical unit.

028W NO {PRIVATE|SYSTEM} TRANSIENT DIRECTORY ENTRIES

Explanation: No directory entries were present on the specified transient library.

System Action: RC = 4
Execution of the command continues until all specified directories are processed.

User Action: None.

029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD

Explanation: The data entered following the specified option was invalid.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

For DMSLIO, some option processing may have altered loader information. This should not affect a subsequent load.

User Action: Check the format of the field and reissue the command, specifying the data after the option.

030E FILE 'fn ft fm' ALREADY ACTIVE

Explanation: A file could not be referenced because it was already active. For example, this message appears if you try to append a file to itself, or if you try to rename the EXEC file you are executing.

System Action: RC = 28
Execution of the command is terminated. The system status remains the same, with the following exceptions for DMSCPY:

- If the APPEND option was specified, and if the copying process had begun before the error was discovered, then records are appended to the output file.

- If the NEWFILE (the default), REPLACE or OVLY option was specified, and if the copying process had begun before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.

- In multiple output file mode, several output files may have been created before the error was discovered.

User Action: Use another method of execution, or close the file and reissue the command.

031E LOADER TABLES CANNOT BE MODIFIED

Explanation: If you are trying to increase the number of loader tables, the system storage below the loader tables is in use.

If you are trying to decrease the number of loader tables, either the loader is using more tables than you specified, or the system storage below the loader table is in use.

System Action: RC = 40
Execution of the command is terminated. The system status remains the same.

User Action: The number of loader table pages should be modified before other storage is allocated. The command should be issued immediately after IPL.

Note: If you have exceeded storage on the A-disk, reload (via IPL) without accessing the A-disk.

032E INVALID FILETYPE 'ft'

Explanation: The filetype entered was not valid for the command.

For DMSMOD, the filetype must be MODULE.

For DMSSYN, the filetype must be SYNONYM.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Correct the filetype and reenter the command.

033E FILE 'fn ft fm' IS NOT A LIBRARY

Explanation: For DMSSVT, the file specified in the message cannot be updated or read because the file is either a CP-67/CMS 3.1 MACLIB or an invalid MACLIB.

For DMSPRT, DMSPUN, and DMSTYP, the MEMBER option is invalid because the file specified is not a library.

System Action:
For DMSSVT, the following return code is issued:

    RC = 8 (if the FIND macro was issued)
    RC = 10 (if the STOW macro was issued)

The return code is passed to the user program and the program continues executing.

For DMSPRT, DMSPUN, and DMSTYP, a return code of 32 is issued. Execution of the command is terminated. The system status remains the same.

User Action: For DMSSVT, check for an invalid MACLIB or an invalid fileid specification in the FILEDEF command.

For DMSPRT, DMSPUN, and DMSTYP, specify a library or omit the MEMBER option.

If the file is a CP-67/CMS 3.1 MACLIB and your program is trying to update it, you must first convert the file to a VM/370 MACLIB using the MACLIB command with the COMPACT operand.

034E FILE 'fn ft fm' IS NOT FIXED LENGTH

Explanation: The specified file must have fixed-length records in order for the command to be executed.

System Action: RC = 32
Execution of the command is terminated. The system status remains the same.

User Action: You may change the record format of the file by using the COPYFILE command with the RECFM option. Then reissue the command.

035E INVALID TAPE MODE

Explanation: An invalid combination of tape options was specified. For example: 9TRACK, DEN 200.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Correct the tape options and reissue the command.

036E OPEN ERROR CODE 'nn' ON 'ddname'

Explanation: An error occurred during an OS OPEN. The possible error codes are described below:

Code Meaning
1   The DSORG option of the specified DCB (data control block) is not PO, PS, or DA (partitioned organization, physical sequential, or direct access, respectively).

2   The default FILEDEF for the DCB 'ddname' displayed in the message failed.

3   The RECFM of the specified DCB does not agree with the format of the existing file, that is, one RECFM is variable-length and the other is fixed-length.

4   A DCB, BLKSIZE, LRECL, or BUFL option is missing or invalid.

Code Meaning
5   The input DCB BLKSIZE is not a correct
    multiple of the DCB LRECL, or the
    output DCB specifies writing blocked
    output, but only unblocked output is
    permitted.

6   RECFM is fixed-length and LRECL does
    not agree with the record length of
    the existing file or, if the filemode
    is 4, the BLKSIZE does not agree with
    the record length of the existing
    file, or RECFM is variable-length and
    BLKSIZE is not 4 bytes greater than
    the record length of the existing
    file, ..., or BLKSIZE is not a
    multiple of LRECL whether the filemode
    is equal to 4 or not.

7   RECFM is variable-length spanned, and
    either the access method is not BSAM
    or the filemode is not 4.

8   An error occurred saving the BPAM
    directory for update, or an error
    occurred while doing a FIND for the
    member name specified in the FILEDEF
    command or CMSCB macro.

9   The DCB specifies output, BDAM or a
    key length for an OS data set or DOS
    file.

10 An error occurred while attempting to
    position a tape with label type
    specified as BLP or NL.

11 I/O option 'UPDATE' is invalid for
    file found on read-only disk.

12 A tape which was specified as NL
    contained an IBM standard VOL1 label
    as its first record.

80 The file is an unsupported OS data set
    or DOS file, or an I/O error occurred
    accessing an OS or DOS disk.

System Action: The program continues
executing, but the DCBFLGS OPEN bit is not
turned on and the DCB is not initialized.

User Action: Noting the error code and
ddname displayed in the message, check the
associated FILEDEF command and DCB macro
for invalid or missing DCB options.

037E [OUTPUT] DISK 'mode [cuu]' IS READ/ONLY

Explanation: The filemode of the output
file specifies a read-only disk, which
cannot be written on.

For DMSUPD, there was no read/write disk
available for the UPDATE output files. The
following steps are taken to determine the
disk on which the UPDATE output files are
to be placed (the search stops as soon as
one of the following steps is successful):

• If the disk on which the original source
  file lies is read/write, the output
  files are placed on that disk.

• If that disk is a read-only extension of
  a read/write disk, the output files are
  placed on that particular read/write
  disk.

• The output files are placed on the
  A-disk, if it is read/write.

If all three of the above steps fail, and
the A-disk is read-only, then the message

    DISK 'A' IS READ/ONLY

is displayed.

If this message occurs during VSAMGEN EXEC
processing, it indicates that the CMS
A-disk is accessed in read-only mode. But
the VSAMGEN EXEC procedure requires that
the CMS A-disk be accessed in read/write
mode so that the CMS DOSLIB files can be
written on it. Also, for an OS 'INSTALL',
the VSAM and Access Method Services object
modules will be copied to it for future
updating. In a MAINT run for both DOS and
OS users, the PTF decks read from the
reader are also written on the CMS A-disk.

System Action: RC = 36
Execution of the command is terminated. The
system status remains the same.

If this message occurs during VSAMGEN EXEC
processing, the VSAMGEN EXEC procedure
terminates and the system returns to the
CMS command environment.

For DMSCPY, in multiple output file mode,
several output files may have been created
before the error was discovered.

For DMSDSK, the reader is closed with the
HOLD option.

For DMSMOD, loader cleanup has been
performed on loaded files.

For DMSTPE, if the DEN, TRTCH, 7TRACK, or
9TRACK options were specified, the modeset
byte has been set for the specified device
(TAPi, where: i = 1, 2, 3, 4) or TAP1.

User Action: Issue the CP command LINK to
reset the disk to read/write status. Then
access the disk again and reissue the
command.

For DMSBDP, ensure that the appropriate
disk is being associated with the DTF being
opened, and reissue the command.

038E FILEID   CONFLICT   FOR   DDNAME
     '{ASM3705|ASSEMBLE}'

Explanation: The file specified with an
ASM3705 (or ASSEMBLE) command has been
previously defined by a FILEDEF command,
but its filetype was not defined as
'ASM3705' (or as 'ASSEMBLE'), or you have
issued a FILEDEF command for a reader or
tape input file and specified a filename
that is already defined as a disk file with
the filetype ASM3705 (or ASSEMBLE).

System Action: RC = 40
The command is not executed. The system
status remains the same.

User Action: Verify that you have specified
the correct filename with the ASM3705 (or
ASSEMBLE) command. If it is correct, in the
first case above, issue a FILEDEF ddname
CLEAR command for the file, or issue a
FILEDEF command that sets the filetype
correctly. In the second case, either use a
different filename for the input file, or
erase the existing disk file.

039E NO ENTRIES IN LIBRARY 'fn ft fm'

Explanation: The library specified contains
no members, probably because all members
were deleted using the MACLIB DEL command.

System Action: RC = 32
Execution of the command to terminated.
The system status remains the same.

User Action: None.

040E NO FILES LOADED

Explanation: The user has not previously
issued a LOADMOD or LOAD command, or the
module consists of zeros.

System Action: RC = 40
Execution of the command is terminated.
The system status remains the same.

User Action: Load files via the LOAD or
LOADMOD command.

041E INPUT AND OUTPUT FILES ARE THE SAME

Explanation: One of the following errors
was detected:

• The same ddname was specified for input
and output.

• The input ddname and output ddname
specify the same disk file.

• The input ddname and output ddname
specify the same tape unit.

System Action: RC = 40
Execution of the command is terminated.
The system status remains the same.

User Action: Reissue the FILEDEF and
MOVEFILE commands correctly.

042E NO FILEID[(S)] SPECIFIED

Explanation: At least one file
identification is required in order for the
command to be executed.

System Action: RC = 24
Execution of the command is terminated.
The system status remains the same.

User Action: Reissue the command,
specifying at least one fileid.

043E 'TAPn(cuu)' IS FILE PROTECTED

Explanation: The tape cannot be written on.

System Action: RC = 36
Execution of the command is terminated. If
the DEN, TRTCH, 7TRACK, or 9TRACK options
were specified, the modeset byte has been
set for the specified device (TAPn, where:
n = 1, 2, 3, 4).

User Action: Send a message to the operator
to insert the write enable ring in the tape
and retry the command.

For DMSCLS, verify that the correct tape is
mounted.

044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM

Explanation: The record length given
exceeds the maximum record length allowed.
The maximum record length allowed by the
EDIT command is 160 characters; by the
PRINT command, 151 characters; and by the
PUNCH command, 80 characters.

System Action: RC = 32
Execution of the command is terminated. The
system status remains the same.

User Action: For DMSEDI, reissue the
command with an acceptable record length.

For DMSPRT and DMSPUN, you can change the
record length with the COPYFILE command,
and then reissue the command.

045E UNSUPPORTED 370X CONTROL PROGRAM TYPE

Explanation: The 3705 control program type
is not an Emulation Program (EP),
Partitioned Emulation Program (PEP) or
Network Control Program (NCP).

System Action: RC = 16
Execution of the command is terminated.

User Action: Make sure that 370X control
program has been generated with correct
parameters. For the correct parameters for
the 370X control program generation, refer
to the VM/370 Planning and System
Generation Guide.

046E NO LIBRARY NAME SPECIFIED

Explanation: The command was entered
without a library name.

System Action: RC = 24
Execution of the command is terminated. The
system status remains the same.

User Action: Reenter the command, specifying the library name.

047E NO FUNCTION SPECIFIED

Explanation: A function must be specified in order for the command to be executed. Either ON or OFF must be specified with the SVCTRACE command. For the ZAP command, you must specify LOADLIB, MODULE, or TXTLIB.

System Action: RC = 24
Execution of the command is terminated.

For SVCTRACE, SVCTRACE is turned off if it was on.

For DMSTPE, if the DEN, TRTCH, 7TRACK or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1. Otherwise, the system status remains the same.

User Action: Reissue the command with the desired function.

048E INVALID MODE 'mode'

Explanation: This message can occur for any one of the following reasons:

- The mode was not specified correctly.

- The mode letter, if specified, is not one of the following: A, B, C, D, E, F, G, S, Y, Z. (For the DLBL command, the mode letter must not be S.)

- The mode number, if specified, is not between 0 and 5.

- More than two characters were specified for the mode.

- A null line was entered as the first specification with the MULT option of the DLBL command.

- The mode specified with a LISTDS command was not the mode of an OS or DOS disk.

- The mode specified with a LISTFILE command was not the mode of a CMS-formatted disk.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

For DMSTPE, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1.

User Action: Reissue the command with the filemode specified correctly.

049E INVALID LINE NUMBER 'line number'

Explanation: The specified line number is either zero or outside the limits of the file.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Examine the file and reissue the command with a correct line number.

050E PARAMETER MISSING AFTER {DDNAME|SYSxxx|function}

Explanation: A parameter that is required by the command was not specified.

For the ASSGN command, the disk mode must be specified for the SYSxxx logical unit.

For the DLBL command, the disk mode or DUMMY or CLEAR must be specified after the ddname.

For the FILEDEF command, the device name or DUMMY or CLEAR must be specified after the ddname.

For the SET command, a required parameter that must follow a function is missing.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Correct and reissue the command.

051E INVALID MODE CHANGE

Explanation: The filemode letter specified for the old fileid is not the same as the filemode letter specified for the new fileid.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Correct and reissue the command.

052E MORE THAN 100 CHARS OF OPTIONS SPECIFIED

Explanation: The maximum number of characters that can be used to specify options for this command is 100. More than 100 characters were used.

System Action: RC = 24
The command is not executed. The system status remains the same.

User Action: Reissue the command, using 100 or fewer characters to specify the options. Use abbreviations if necessary.

053E INVALID SORT FIELD PAIR DEFINED

Explanation: Either an ending character position was not specified for a sort field, the starting position is greater than the ending position, the fields contain nondecimal characters, or the sort field exceeds the maximum of 253 characters.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Correct and reissue the command.

054E INCOMPLETE FILEID SPECIFIED

Explanation: You must specify the filename and filetype in order for the command to be executed. In addition, for some commands you must specify the filemode.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Check the description of the command, correct the command line, and reissue the command.

055E NO ENTRY POINT DEFINED

Explanation: For the START command or the START option of the FETCH, LOAD, or INCLUDE command, either the initial execution address is zero, or there is no executable code at the execution address, or nothing has been loaded.

This message is also issued if a START command (or FETCH command with the START option) is issued following a SET DOSPART command, resetting the size of the DOS partition. Redefining the partition size causes storage to be reinitialized and any previous loads or fetches must be reissued.

System Action: RC = 40
Execution of the command is terminated. Loader cleanup has been performed on loaded files. This should not interfere with a subsequent START command.

User Action: If no file was previously loaded, issue the LOAD command specifying the files to be loaded. If files are loaded, check them for incorrect SLC or entry cards.

056E FILE 'fn ft [fm]' CONTAINS INVALID {NAME|ALIAS|ENTRY|ESD} RECORD FORMATS

Explanation: For DMSLBM and DMSNCP (GEN, ADD, REP), the specified file is not in the expected format. MACRO and MEND cards must be included in the MACRO files, and the prototype card must be specified with a name that does not exceed eight characters.

If an &COPY statement appears, it must contain a name. A MACLIB must contain 'LIB' in columns 4-6 of record one.

For DMSLBT, the specified file has more than 255 entry points (ESD only), or has records which are incompatible or missing.

For DMSLIO, all TXTLIB files must have "LIB" in columns 4-6 of record one.

For DMSSYN, the specified file is not in the expected format. The SYNONYM file must contain 80-byte records in free form format, with columns 73-80 ignored. The data consists of a command name followed by a blank and the user synonym. This may optionally be followed by a count which is preceded by at least one blank.

For DMSZAP, either the header record for TXTLIB or LOADLIB was invalid, or the pointer to the directory or module map was in error.

System Action: RC = 32
Execution of the command is terminated. The system status remains the same.

User Action: For DMSLBM and DMSNCP, issue the MACLIB COMP command, then check the MACLIB with a MACLIB MAP command. Correct the format error.

For DMSSYN, correct the format of the file.

For DMSLIO, recreate the TXTLIB.

For DMSLBT, if the message specifies ESD, check for more than 255 entry points for a member; otherwise, check for invalid or missing records.

For DMSZAP, recreate the library or module.

Then reissue the command.

056W FILE 'fn ft fm' CONTAINS INVALID {NAME|ALIAS|ENTRY|ESD} RECORD FORMATS

Explanation: The specified file is not in the expected format.

System Action: Processing continues.

User Action: None.

057E INVALID RECORD FORMAT

Explanation: For the TAPE command, a record that was read was not in TAPE DUMP format. For the TAPEMAC command, the tape was not in the IEHMOVE unloaded PDS format, or the PDS logical record length is not 80.

System Action: RC = 32
Execution of the command is terminated. For the TAPE command, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified,

the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1.

User Action: For the TAPE command, rewrite the file onto tape using the TAPE DUMP command. For the TAPEMAC command, recreate the file on tape using the OS IEHMOVE utility program. Then reissue the command.

058E END-OF-FILE OR END-OF-TAPE [ON 'TAPn']

Explanation: The end of the file or tape was reached.

For DMSTPE, an end-of-tape condition was encountered while doing a write, WTM (write tape mark), or ERG (erase gap) operation.

System Action: RC = 40
Execution of the command is terminated. For DMSTPE, the last operation is not completed. The tape is positioned at the end. If the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1.

User Action: For DMSTPD, you may space the tape forward and continue, or rewind the tape and quit; this can be an information message rather than an error condition, depending on the circumstances.

For DMSTPE, if the position of the tape is not as expected, use the appropriate TAPE control function to reposition it.

For DMSBOP, ensure that the proper tape has been mounted. If so, rewind and reposition the tape and retry.

For DMSCLS, rewind and reposition the tape and reissue the command.

059E 'cuu' ALREADY ACCESSED AS READ/WRITE 'mode' DISK.

Explanation: You are trying to access the specified device in read-only mode, but you have already accessed it read/write mode. You cannot have a disk accessed as both read-only and read/write, because the read-only file directory would not reflect any updates you made until the next time you accessed the disk.

System Action: RC = 36
Execution of the command is terminated. The system status remains the same.

User Action: Release the disk by issuing the RELEASE command and then reissue the ACCESS command.

060E FILE(S) 'fn [ft [fm]]' NOT FOUND. DISK 'mode (cuu)' WILL NOT BE ACCESSED

Explanation: The files requested were not on the specified disk; therefore, the disk is not accessed. If another disk was already accessed as mode "fm", it is released.

System Action: RC = 28
Execution of the command is terminated. The system remains in the same status as before the command was entered.

User Action: Check to see that the fileid is specified correctly, and reenter the command.

061E NO TRANSLATION CHARACTER SPECIFIED

Explanation: A SET INPUT or SET OUTPUT command was issued without a translation character.

System Action: RC = 24
Execution of the command is terminated. The translate table remains unchanged.

User Action: Reissue the command with the appropriate translation character.

062E INVALID [CHAR] '[=|*|char]' IN [OUTPUT] FILEID ['fn ft [fm]']

Explanation: The character specified whether an asterisk (*), equal sign (=), or other was invalid in the fileid in which it appeared.

System Action: RC = 20
Execution of the command is terminated. The system status remains the same, with the following exceptions for the COPYFILE command:

• If the APPEND option was specified and the copying process began before the error was discovered, then records were appended to the output file.

• If the NEWFILE (the default), REPLACE, or OVLY option was specified, and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.

• In multiple-output-file mode, several output files may have been created before the error was discovered.

User Action: Check the description of the command format and reissue the command.

063E NO [TRANSLATION|SPECIFICATION] LIST ENTERED

Explanation: A list was requested in response to the SORT command, or to the SPECS option or TRANSLATE option of the COPYFILE command, but a null line was entered in response.

System Action: RC = 40
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command, and enter the list when it is requested.

064E INVALID [TRANSLATE] SPECIFICATION AT OR NEAR 'list'

Explanation: An invalid specification was included in the list entered when either the SPECS option or the TRANS option was specified. "list" is the portion of the list you entered that is in error. Some of the errors that can cause this message to appear in conjunction with the SPECS option are the following:

- A source specification was entered with no target specification.

- An invalid decimal number was entered for an input or output column.

- An input file specification of the form "nn-mm" was given, but mm was smaller than nn.

- A string was specified without an ending delimiter.

- A zero length string was specified.

- An invalid hexadecimal number was specified, or an odd number of hexadecimal digits followed the "H" of such a specification.

- The continuation code (++) was specified in the middle of a specification, rather than at the beginning of one.

Some of the errors that can cause this message to appear in conjunction with the TRANS option are the following:

- An invalid hexadecimal number was entered.

- An odd number of characters was entered.

- The continuation code (++) was entered in the middle of a character pair.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command and enter the correct specification list when it is requested.

065E 'option' OPTION SPECIFIED TWICE

Explanation: The option was specified more than once in the command line.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command, specifying the option only once.

066E 'option' AND 'option' ARE CONFLICTING OPTIONS

Explanation: The specified options are mutually exclusive and must not be specified in the same command.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Correct and reissue the command.

067E COMBINED INPUT FILES ILLEGAL WITH PACK OR UNPACK OPTIONS

Explanation: An attempt was made to combine several files at the same time that the PACK or UNPACK option was used. This message appears if there is more than one input fileid, or if there is an asterisk in the first fileid in single output file mode.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Correct the command line and reissue the command.

068E INPUT FILE 'fn ft fm' NOT IN PACKED FORMAT

Explanation: The specified input file is not in packed format, and was specified in an UNPACK operation.

System Action: RC = 32
Execution of the command is terminated. The system status remains the same, except that in multiple output file mode, several output files may already have been created before the error was discovered.

User Action: Correct the command line and reissue the command.

069E DISK 'mode' NOT ACCESSED

Explanation: The specified disk has not been accessed. For DMSDSL, the A-disk must be accessed when the DOSLIB MAP function is performed and the output is directed to disk. For DMSVGN, note that the VSAMGEN EXEC procedure requires that you have a read/write CMS disk accessed as your A-disk.

System Action: RC = 36
Execution of the command is terminated. The system status remains the same.

User Action: Access the specified disk and reissue the command.

069I [OUTPUT] DISK 'mode' NOT ACCESSED

> Explantion: The disk specified in the
> FILEDEF command has not been accessed.
>
> System Action: This message is for
> information only. Execution continues.
>
> User Action: None.

070E INVALID {PARAMETER 'parameter'|ARGUMENT
'argument'}

> Explanation: An invalid operand, or too
> many or extraneous operands, were specified
> in the command line or EXEC statement.
>
> System Action: RC = 24
> Execution of the command is terminated. The
> system status remains the same, with the
> following exception for the TAPE command:
>
> If the DEN, TRTCH, 7TRACK, or 9TRACK
> options were specified, the modeset byte
> has been set for the specified device
> (TAPi, where: i = 1, 2, 3, 4) or TAP1.
>
> User Action: Correct the command line and
> reissue the command.

071E ERASE * * [fm|*] NOT ALLOWED

> Explanation: You cannot erase all files on
> all disks using the ERASE command. You can
> enter asterisks for the filename and
> filetype, but you must specify the filemode
> letter and number.
>
> System Action: RC = 24
> Execution of the command is terminated. The
> system status remains the same.
>
> User Action: Issue the FORMAT command to
> erase all files on a disk, or use the
> ACCESS command with the ERASE option (all
> files on the disk are erased the first time
> you write a new file on the disk).

072E ERROR IN EXEC FILE fn, LINE nnn - message

> Explanation: The EXEC interpreter has found
> an error in file "fn", at line "nnn";
> "message" may be any one of the following:
>
> FILE NOT FOUND
> RC = 801
> The specified file was not found on the
> accessed disks. This message can be issued
> when you try to invoke an EXEC from within
> another EXEC.
>
> &SKIP OR &GOTO ERROR
> RC = 802
> A request was made to move to a statement
> above the beginning of the file, or to a
> nonexistent label.

BAD FILE FORMAT
RC = 803
The file is not in the required format. For
instance, it is packed rather than
unpacked, or the record length is greater
than 130.

TOO MANY ARGUMENTS
RC = 804
A maximum number of 30 arguments can be
passed to an EXEC file.

MAX DEPTH OF LOOP NESTING EXCEEDED
RC = 805
No more than four nested loops may be
specified.

ERROR READING FILE
RC = 806
An I/O error occurred while an EXEC file
was being read.

INVALID SYNTAX
RC = 807
The syntax of the indicated statement is
invalid.

INVALID FORM OF CONDITION
RC = 808
This can occur from previously unassigned
variables. The final result after the line
is interpreted is syntactically invalid.

INVALID ASSIGNMENT
RC = 809
An attempt was made to assign a value to an
unspecified field; for example,

> = 42

MISUSE OF SPECIAL VARIABLE
RC = 810
Incorrect use of a special variable was
attempted. For example, an attempt was
made to assign a value to &EXEC or to
&TYPEFLAG.

ERROR IN &ERROR ACTION
RC = 811
An &ERROR control statement specified a CMS
command that also resulted in an error.

CONVERSION ERROR
RC = 812
A variable in the line must be converted,
but cannot be, because it is a character
value, it is not in the proper format, or
it has not been initialized. For example,

> '&IF &FLAG EQ 944'

If &FLAG was not previously initialized, it
is "null" or blank and will cause a
conversion error when being converted to
decimal. This message is also issued if a
nonhexadecimal number is specified after
the characters "X'" on the right-hand side
of an assignment statement (for example, &A
= X'12AG'); or if a nondecimal number is
specified after the characters "X'" in any
statement other than an assignment
statement (for example, &TYPE X'120A0').

TOO MANY TOKENS IN STATEMENT
RC = 813
More than 19 tokens appeared in a single
&READ VARS statement.

MISUSE OF BUILT-IN FUNCTION
RC = 814
One of the EXEC built-in functions (for
example, &CONCAT, &DATATYPE, etc.) was
used incorrectly.

EOF FOUND IN LOOP
RC = 815
An end of file occurred before the command
completed the requested operation.

INVALID CONTROL WORD
RC = 816
An invalid control word was encountered in
the input deck and cannot be read.

EXEC ARITHMETIC UNDERFLOW
RC = 817
A negative arithmetic variable exceeded 8
digits including sign.

EXEC ARITHMETIC OVERFLOW
RC = 818
A positive arithmetic variable exceeded 8
digits.

SPECIAL CHARACTER IN VARIABLE SYMBOL
RC = 819

A special character was used in a variable
symbol. Only alphameric characters are to
be used. The asterisk in the special
variable &* is an acceptable character.

System Action: The file is logically
executed up to the point where the error
was detected.

User Action: Correct the EXEC file and
reexecute it.

Note: For a tutorial description of the
EXEC facility, see the VM/370 CMS User's
Guide. For a description of the EXEC
control statements, see the VM/370 CMS
Command and Macro Reference.

073E UNABLE TO OPEN FILE ddname

Explanation: CMS was unable to open the
specified ddname. An explanatory message
should appear along with this message.

System Action: RC = 28
Execution of the command is terminated. The
system status remains the same.

User Action: Verify the ddname and reissue
the command.

074E ERROR [RE]SETTING AUXILIARY DIRECTORY

Explanation: The auxiliary directory could
not be set or reset. This can occur, for
example, if the disk on which the auxiliary
directory resides is not accessed when the
command is issued, or if it is accessed as
a filemode other than the one specified for
it with a previous GENDIRT command.

System Action: RC = 40
If the error occurred on an attempt to set
the auxiliary directory, execution of the
command is terminated. The system status
remains the same. If, however, the error
occurred on an attempt to reset the
auxiliary directory, the assembly has
already been done, and execution continues.

User Action: Consult the system programmer
to find out what disk the auxiliary
directory is on and what filemode that disk
should be accessed as. (It should have the
filemode that was specified for it with the
GENDIRT command.) Access the disk with the
proper filemode and reissue the command.

075E DEVICE devicename INVALID FOR
{INPUT|OUTPUT}

Explanation: The device specified for the
input or output ddname is invalid. This
message will appear if the input device
specified is DUMMY, PRINTER, or PUNCH, or
if the output device specified is READER.

System Action: RC = 40
Execution of the command is terminated. The
system status remains the same.

User Action: Reissue the FILEDEF command
and specify the correct input/output
device.

076E ACTUAL RECORD LENGTH EXCEEDS THAT SPECIFIED

Explanation: An existing file has a record
length greater than the record length
entered in the command line.

System Action: RC = 40
Execution of the command is terminated. The
system status remains the same.

User Action: Reissue the command,
specifying a larger record length with the
LRECL option.

077E END CARD MISSING FROM INPUT DECK

Explanation: Since the end card is missing,
the input file is not complete. The deck
is probably invalid.

System Action: RC = 32
Execution of the command is terminated. The
card file is lost from the reader.

User Action: The DISK DUMP command must be
issued to recreate the file.

078E INVALID CARD IN READER {DECK|FILE 'cardimage'}

> Explanation: For DMSDSK, a card that was not punched by DISK DUMP was encountered in the input deck. The deck cannot be read by DISK LOAD.
>
> For DMSGRN, an invalid card was encountered in the input deck. The deck cannot be processed by the GEN3705 command.
>
> System Action: RC = 32
> Execution of the command is terminated. The system status remains the same.
>
> For DMSDSK, the READER file closed with the HOLD option.
>
> User Action:
> For DMSDSK, reissue the command in case there are valid DISK DUMP cards following in the file. If the same error occurs, either retry, use the READCARD command to load the file, or use the CP PURGE command to erase the reader file.
>
> For DMSGRN, use the card image in the error message to correct the card, and reenter the command.

079E INVALID DEVICE ADDRESS - REENTER

> Explanation: The device address entered was specified incorrectly, that is, it is not a valid hexadecimal character or is not in the range of X'001' to X'6FF'.
>
> System Action: Message DMSINI606R or DMSINI608R is reissued.
>
> User Action: See DMSINI606R or DMSINI608R.

080E INVALID CYLINDER NUMBER - REENTER

> - - - (Basic System Extensions) - - -

080E INVALID {CYL|BLK} NUMBER - REENTER

> - - - - - - - - - - - - - - - - - -
>
> Explanation: The value entered was not a valid decimal number.
>
> System Action: Message DMSINI609R is reissued.
>
> User Action: See DMSINI609R.

081E INVALID REPLY - ANSWER "YES" OR "NO"

> Explanation: The only valid response to the query is "yes" or "no". Neither was entered.
>
> System Action: Message DMSINI607R or DMSINI610R is reissued.
>
> User Action: See DMSINI607R or DMSINI610R.

082E IPL DEVICE ERROR - REENTER

> Explanation: The device is not currently defined, or it is not in read/write status, or it is an unsupported device type.
>
> System Action: Message DMSINI608R is reissued.
>
> User Action: See DMSINI608R.

083E NUCLEUS WILL OVERLAY CMS FILES - RECOMPUTE

> Explanation: The specified nucleus cylinder number was not greater than the number of cylinders indicated in the Master File Directory for the IPL device.
>
> System Action: Message DMSINI609R is reissued.
>
> User Action: Respond to DMSINI609R with a larger cylinder number, or IPL CMS and format the specified IPL device with the RECOMP option.

> - - - (Basic System Extensions) - - -

083E NUCLEUS {CYL|BLK} SPECIFICATION UNACCEPTABLE ERROR 'X'

> Explanation: The cylinder or FB-512 block number specified for the nucleus start address does not meet the requirement indicated by the error code.
>
> Code Meaning
> 1   The nucleus will overlay CMS files on the minidisk.
>
> 2   The nucleus start address is beyond all formatting.
>
> 3   The starting FB-512 block number is not on a 256-block boundary.
>
> 4   A total of 256 FB-512 blocks are not available, including the starting block number.
>
> System Action: Message DMSINI609R is reissued.
>
> User Action: If RC = 1, respond to DMSINI609R with a larger cylinder value or FB-512 block number. If RC = 2, specify a smaller value. If RC = 3, specify a multiple of 256. If RC = 4, specify a lower location for the nucleus. In any event, use of the FORMAT command with the RECOMP option may be necessary.

> - - - - - - - - - - - - - - - - - - -

084E INVALID USE OF 'FROM' AND 'TO' OPTIONS

> Explanation: The 'FROM' location exceeds or is equal to the 'TO' location.

System Action: RC = 24
Execution of the command is terminated. The
system status remains the same.

User Action: Correct and reissue the
command.

086E INVALID DDNAME 'ddname'

Explanation: The ddname specified with the
command is invalid.

System Action: RC = 24
Execution of the command is terminated.
The system status remains the same.

User Action: Reissue the command with a
valid ddname. With the DLBL command, use a
ddname of seven characters or less. If you
are an OS user, enter the first seven
characters of your program's ACB ddname.
If these seven characters are not unique
within the program (that is, the eighth
character distinguishes two ACBs in the
same program), recompile the program using
different ddnames.

086W DLBL 'ddname' DUMMY INVALID FOR VSAM

Explanation: The ddname in the ACB being
opened was specified in a previous DLBL
command with the DUMMY operand, which is
invalid for VSAM.

System Action: RC = 8
This message accompanies a DOS/VS VSAM open
error code X'11'. The OS user is
restricted from using a DUMMY VSAM data
set. An attempt to do so will cause
unpredictable results at OPEN time. An
additional message from the program product
being used may follow.

User Action: Reissue the DLBL command
specifying a mode for this ddname, and then
restart the program that caused the error.

087E INVALID ASSIGNMENT OF 'SYSxxx' TO DEVICE
'device'

Explanation: The ASSGN command that was
entered violated a restriction on the
assignment of SYSxxx to a virtual device.
The ASSGN command restricts the assignment
of logical units to virtual devices as
follows:

Logical Units	Valid Assignment
SYS000-SYS241	to any device as specified by the ASSGN command.
SYSLOG	to terminal and printer
SYSLST	to printer, disk, and tape
SYSIPT	to reader, disk and tape
SYSPCH	to punch, disk, and tape
SYSRDR	to reader, disk, and tape
SYSCAT	to disk
SYSCLB	to disk
SYSRLB	to disk
SYSSLB	to disk
SYSIN	to reader, tape, and disk
SYSOUT	to tape

System Action: RC = 24
Execution of the command is terminated.
The system status remains the same.

User Action: Reissue the ASSGN command,
specifying a valid combination of logical
unit and virtual device.

088E UNSUPPORTED DTF TYPE 'dtftype'

Explanation: An attempt was made to open or
close a DTF table of a type not supported
by CMS.

System Action: RC = 24
Execution of the command is terminated.
The system status remains the same.

User Action: None; CMS/DOS only supports
those DTF types identified in the CMS/DOS
publications.

089E {OPEN|CLOSE}   ERROR   CODE   'nn'   ON
{fn|SYSxxx|TAPn}

Explanation: The error code in the message
identifies the error situation.

Code	Meaning
1	The logical unit (SYSxxx) in the DOSCB does not match the logical unit in the DTF table.
2	CMS/DOS does not support writing to OS or DOS disks. All files must be written to CMS disks.
3	An attempt was made to open or close a sequential disk file, VSAM file, or private source statement library, but no DLBL command was issued with the DLBL ddname equal to the DTF ACB filename. CMS/DOS requires a user-issued DLBL for all sequential disk files, VSAM input and output files, and private libraries.
4	An attempt was made to open or close a DTFCD or DTFPR with ASOCFLE/FUNC operands specified in the DTF macro. These operands are not supported under CMS/DOS.
5	An attempt was made to open an input sequential disk file from an OS disk, but no extent information was found in the OSFST associated with the file.
6	An attempt was made to open a sequential disk file for input, but the file was not found on any of the accessed disks.
7	The device type in the DTF being opened or closed is incompatible with the PUB device type for the specified unit.
8	The system or programmer logical unit is unassigned (PUB pointer in LUB = X'FF').

Code Meaning

9   There is no CMS/DOS support for reading tapes backward. When the operand READ=BACK is specified on the DTFMT macro, a flag is set in the DTF at compilation time indicating this condition. CMS/DOS supports tape processing only in a forward direction.

11   An attempt was made to open or close a DTFMT (tape data file) and 'ASCII=YES' was specified in the DTF macro. This operand is not supported.

12   An attempt was made to open a DTFMT (tape data file) and 'FILABL=STD' was specified. However, no VOL1/HDR1 was encountered.

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12   An attempt was made to open a DTFCP or DTFDI tape file with 'FILABL=STD' specified. However, no VOL1/HDR1 was encountered.

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13   PUB information for the tape logical unit being opened (track mode indicator or density) is incompatible with the tape drive.

14   The tape is a 3420 tape drive but an invalid tape drive model number (valid model numbers are 3, 4, 5, 6, 7, and 8).

15   While opening a DTF associated with a file on an OS or DOS disk, an I/O error occurred while reading the extent information for the specified data set.

16   SYSIPT/SYSRDR is assigned to tape and the record length is not 80 or 81 bytes.

17   An unexpected error situation was encountered while performing a tape I/O operation.

System Action: RC= 36
Execution of the command is terminated. The system status remains the same.

User Action: Correct the error and reissue the command.

090E INVALID DEVICE CLASS 'deviceclass' FOR 'device'

Explanation: The device class information returned from the CP DIAGNOSE request (code 24) conflicts with the device being assigned.

System Action: RC = 36
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command. If this fails, call IBM for software support.

091E SAVEAREA ADDRESS IN PARTITION PIB NOT EQUIVALENT TO LTA SAVEAREA ADDRESS

Explanation: The current savearea address in the PIB (Partition Information Block) is not the same as the savearea in the LTA (Logical Transient Area).

System Action: RC = 100
Execution of the command is terminated.

User Action: Reissue the command; if the problem persists, call IBM for software support.

092E STXIT SAVEAREA ADDRESS INVALID

Explanation: The specified savearea address in a STXIT operation is not within the address range of the virtual machine.

System Action: RC = 100
Execution of the command is terminated. The system status remains the same.

User Action: Verify the save area address and reissue the command.

093E MVCOM MACRO ATTEMPT TO ALTER OTHER THAN POSITION 12-23 OF COMREG

Explanation: The specified MVCOM macro is attempting to alter a position other than the allowed positions 12 to 23 of the communications region.

System Action: RC = 100
Execution of the command is terminated. The system status remains the same.

User Action: Correct the specification of the MVCOM macro and retry.

094E FROM ADDRESS ON MVCOM MACRO INVALID

Explanation: The address specified in the MVCOM macro is not within the range of the virtual machine.

System Action: RC = 100
Execution of the command is terminated. The system status remains the same.

User Action: Correct the address specified and retry.

095E INVALID ADDRESS 'address'

Explanation: The specified address is not within the range of the virtual machine, is not a valid storage address, or is not equal to or greater than X'20000'.

System Action: RC = 100
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command with a valid address.

096S UNSUPPORTED FUNCTION IN A LIOCS ROUTINE

Explanation: A Logical IOCS routine was called to perform a function which the routine was not generated to perform.

System Action: RC = 100
Execution of the command is terminated. The system status remains the same.

User Action: Verify that all logical functions to be performed are supported by the Logical IOCS routine linked with your program.

097E NO 'SYSRES' VOLUME ACTIVE

Explanation: No system residence disk (SYSRES) is active; therefore, no procedure library or relocatable library is active.

System Action: RC = 36
Execution of the command is terminated. The system status remains the same.

User Action: Use the "SET DOS ON mode" command to activate a SYSRES disk, and reissue the command.

098E NO {PHASE|PROCEDURE} NAME SPECIFIED

Explanation: The command requires the specification of a phase name or procedure name.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reenter the command supplying a phase name or procedure name.

098S CMS OS SIMULATION NOT AVAILABLE

Explanation: An OS SVC was issued and a CMS saved segment is not available. OS simulation text is not loaded in free storage. Message DMSINS099W or DMSSET099W was previously issued.

System Action: The system is terminated abnormally, with an abend code of X'0F9'.

User Action:
1. Access a disk containing the proper text for OS simulation and issue the command SET SYSNAME CMSSEG name, where "name" is invalid (in order to get the OS simulation text loaded into free storage), or

2. Issue the command SET SYSNAME CMSSEG name, with a valid name (in order to be able to use the OS simulation text in that saved segment).

098W CMS OS SIMULATION NOT AVAILABLE

Explanation: DMSINS098W is displayed if, during CMS initialization, it is determined that a CMS saved segment is not available or cannot be loaded, and the OS simulation text could not be loaded into free storage.

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Note: This message also indicates that tape label processing cannot be used in CMS.

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DMSSET098W is displayed if, after it was determined that the CMS saved segment was not available, an attempt to load the OS simulation text was unsuccessful. DMSSET098W is preceded by message DMSSET100W.

System Action: If the message is DMSSET098W, RC = 4. If the message is DMSINS098W, no return code is passed and initialization proceeds normally. Any issuance of an OS SVC that follows either of these messages causes the message DMSITS098S to be displayed and the system to terminate abnormally.

User Action: Access a disk containing the proper text for OS simulation or, using the SET command, specify a valid CMS saved segment.

099E CMS/DOS ENVIRONMENT {NOT} ACTIVE

Explanation: If the message is CMS/DOS ENVIRONMENT NOT ACTIVE, the CMS/DOS environment must be active in order for the command to execute.

If the message is CMS/DOS ENVIRONMENT ACTIVE, the CMS/DOS environment must not be active in order for the command to execute.

System Action: RC = 40
Execution of the command is terminated. The system status remains the same.

User Action: Use the SET DOS command to activate or deactivate the CMS/DOS environment and reissue the command.

099W GENERATION PARAMETERS INCOMPATIBLE WITH VM/370

Explanation: The parameters specified on the HOST macro in the stage one input stream for an NCP or PEP control program were not equal to the values required by VM/370. The control program may not operate correctly if used by VM/370. (This message does not prohibit saving or loading the control program. It may not indicate an error if the VM/370 generation and load procedures are used for a 3704/3705 control program intended for use by a virtual machine system other than VM/370.)

System Action: For DMSNCP, RC = 99.
Processing continues.

User Action: None.

100E NO BATCH PROCESSOR AVAILABLE

Explanation: The CMSBATCH module could not find the DMSBTP TEXT S2 file (Batch processor) on any system disk.

System Action: At this point, the operator has a normal CMS interactive machine, not a batch machine.

User Action: Contact your system support personnel.

Routing: This message is displayed at the Batch Facility console at Batch initialization time.

100W {CMSSEG} SYSTEM NAME 'name' NOT AVAILABLE

- - - {Basic System Extensions} - - -

100W {CMSSEG|CMSZER} SYSTEM NAME 'name' {SSTAT|YSTAT} (NOT AVAILABLE/INITIALIZED)

- - - - - - - - - - - - - - - - - -

Explanation: The CMS saved segment name indicated in the message is not available, or an error occurred when a LOADSYS DIAGNOSE was issued for it.

- - - (Basic System Extensions) - - -

The CMS saved segment name indicated in the message is not available, or initialized, or the SSTAT or YSTAT portion of the CMSZER was not usable. Possible causes are:

--Named segment is nonexistent.
--A LOADSYS error occurred.
--The segment or portion named was at an incorrect level for the system.
--The text decks were not loaded into the segment or were incorrectly loaded into the segment.

- - - - - - - - - - - - - - - - - -

System Action: For DMSSET, RC = 4. For DMSINS, no return code is issued.
The command is not executed. The system status remains the same.

User Action: Reissue the command, specifying a valid name. If the problem persists, call your system support personnel.

101E BATCH NOT LOADED

Explanation:

1. The CMSBATCH command was issued after the first carriage return following IPL, or

2. The CMSBATCH module encountered errors trying to load the DMSBTP TEXT S2 file (Batch processor). See the LOAD command for possible errors, or

3. The CMSBATCH module could not locate the DMSBTPAB entry point in DMSBTP while searching the loader tables. At this point DMSBTP has already been loaded.

System Action: At this point, the operator has a normal CMS interactive machine, not a batch machine.

User Action: If the explanation is (1) follow start-up procedure (starting with IPL). If it is (2) or (3), contact your system support personnel.

Routing: This message is displayed at the Batch Facility console at Batch initialization time.

101S 'SPECS' TEMP STRING STORAGE EXHAUSTED AT '........'

Explanation: A specification list was so long that the storage area reserved for storing specification strings was exhausted.

System Action: RC = 88
Execution of the command is terminated. The system status remains the same.

User Action: Copy the file twice, possibly using the OVLY option a second time, so that less string storage is needed each time.

102S TOO MANY FILEIDS

Explanation: Too many input fileids were specified.

System Action: RC = 88
Execution of the command is terminated. The system status remains the same.

User Action: To correct this situation, use two COPYFILE commands, specifying the APPEND option with the second one.

103S NUMBER OF SPECS EXCEEDS MAX 20

Explanation: More than 20 specifications were entered.

System Action: RC = 88
Execution of the command is terminated. The system status remains the same.

User Action: Use more than one COPYFILE command, possibly specifying OVLY after the first one.

104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK

Explanation: An unrecoverable error occurred while reading the file from disk. nn indicates the nature of the error; it may be one of the following:

Code Meaning
1   The specified file was not found.
2   The buffer area is not within user storage limits.
3   A permanent disk read error occurred. This may occur if you link to and access another user's disk, and try to read a file that was refiled by its owner after you issued the ACCESS command. Reissue the ACCESS command and try to read the file again.
5   The number of records is less than zero or more than 32768.
7   The fixed/variable flag in the file status table entry is not F or V.
8   The given storage area was smaller than the actual size of the records read. (This error is valid if reading the first portion of a large record into a small buffer. It does not cause the function to terminate.)
9   The file is open for writing and must be closed before it can be read.
11 Only one record can be read for a variable-length file. In this case, the number of records is greater than 1.
12 An unexpected end of file occurred (the record number specified exceeds the number of records in the file).
13 A variable-length file has an invalid displacement in the active file table.
14 An invalid character was detected in the filename.
15 An invalid character was detected in the filetype.
25 Insufficient virtual storage is available.
26 Requested item number is negative, or item number plus number of items exceeds file system capacity.

System Action: RC = 100
Execution halts. The system remains in the same status as before the command was entered.

For DMSEDI, the edit session is terminated. If the error occurred during a RENUM operation, the workfile is erased and the file being edited remains unchanged.

For DMSDSL, the condition of the DOSLIB file is unpredictable.

For DMSLBM, the condition of the MACLIB file is unpredictable.

For the TAPE command, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1. Some records may have been written on tape.

User Action: If you can determine the problem from the "Explanation" and remedy the condition, reissue the command. If not, retry the command and if the problem persists, call your system support personnel.

For DMSDGL, verify DOSLIB integrity with the DOSLIB MAP command.

For DMSLBM, verify MACLIB integrity with the MACLIB MAP command.

For DMSLIO and DMSMOD, reissue the entire LOAD/INCLUDE sequence after checking the error conditions.

For error code '09', issue an FSCLOSE macro for the file. If a permanent disk read error occurs (code 3), it may be the result of the user having detached a virtual disk without releasing it. CMS, not realizing that the disk is no longer part of the virtual machine, assumes that the disk is still active and encounters an error when it tries to read or write the file.

If a permanent disk read error occurs (Code 3), it may be the result of the user having detached a virtual disk without releasing it. CMS, not realizing that the disk is no longer part of the virtual machine, assumes that the disk is still active and encounters an error when it tries to read or write the file.

105E NO JOB CARD PROVIDED

Explanation: The first record of the user job was not a /JOB card.

System Action: The batch facility has flushed the user job and continued with the next user job.

User Action: Resubmit the job to the batch facility with the first record of the job in batch facility /JOB format.

Routing: This message is displayed at the Batch Facility console during user job execution.

105S ERROR 'nn' WRITING FILE 'fn ft {fm}' ON DISK

Explanation: An unrecoverable error occurred while writing on disk. nn indicates the nature of the error; it may be one of the following:

Code Meaning
2   The virtual storage address is 0.
4   The first character mode is invalid.
5   The second character mode is invalid.
6   The number of records in the file is too large; it cannot exceed 65,533.
7   An attempt has been made to skip over an unwritten variable-length item.
8   The number of bytes was not specified.
9   The file is already active for reading.

Code Meaning
10   The maximum number of CMS files (3400) has been reached.
11   The fixed/variable flag is not F or V.
12   The disk is not a CMS read/write disk.
13   The disk is full (recoverable error).
14   The number of bytes to be written is not integrally divisible by the number of records to be written.
15   The length of this record is not the same as that of the previous record.
16   The fixed/variable flag is not the same as that of the previous record.
17   A variable-length record is greater than 65K bytes.
18   The number of records is greater than 1 for variable-length file.
19   The maximum number of data blocks per file (16060) has been reached.
20   An invalid character has been detected in filename.
21   An invalid character has been detected in filetype.
22   Virtual storage capacity has been exceeded.
25   Insufficient virtual storage is available.
26   Attempt to update a variable length item with one of another length.

- - - (Basic System Extensions) - - -

26   Requested item number is negative, or item number plus number of items exceeds file system capacity.

- - - - - - - - - - - - - - - - - -

System Action: RC = 100
Execution of the command terminates. The system status remains the same.

For DMSDSK, the reader file is saved. The status of the output file is unpredictable.

For DMSEDI, the edit session terminates. The status of the file is as it was before the edit session or at the execution of the last SAVE subcommand or automatic save. The RENUM workfile is erased. A workfile, EDIT CMSUT1, may have been created on the input disk.

For DMSDSL, the condition of the DOSLIB file is unpredictable.

For DMSLBM, the condition of the MACLIB file is unpredictable.

For DMSLBT, DMSLST, DMSMOD, DMSSRT, DMSTPD, and DMSUPD, the status of the output file is unpredictable.

For DMSRDC, the reader is closed with a HOLD status to preserve the file.

For DMSTPE, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1. The status of the output file is unpredictable. The tape may not be in the same position as before the command was entered.

User Action: If you can determine the problem from the "Explanation" above and remedy the condition, reissue the command. If not, reissue the command and if the problem persists, call your system support personnel.

For DMSDSL, use the DOSLIB MAP function to verify DOSLIB integrity.

For DMSLBM, use the MACLIB MAP function to verify MACLIB integrity.

For DMSLIO, reissue the LOAD/INCLUDE sequence from the beginning, after checking the above error conditions.

106E JOB CARD FORMAT INVALID

Explanation:
1. The batch facility detected a missing or invalid userid or missing account number on the user /JOB card, or
2. The userid (if provided) does not exist in the VM/370 directory, or
3. A user /JOB card exit routine (BATEXIT2) returned a nonzero return code in general register 15.

System Action: The batch facility flushes the user job and continues with the next user job.

User Action: Resubmit the job to the batch facility with a valid userid and an account number in the batch facility /JOB card.

Routing: This message is displayed at the batch facility console during user job execution.

106S NUMBER OF MEMBER NAMES EXCEEDS MAX 'nnnn'. FILE 'fn ft' NOT ADDED

Explanation: The number of entries in the dictionary has exceeded the maximum of 1000.

System Action: RC = 88
The system tries to write the dictionary up to and including the previous text deck; then it terminates execution of the command.

User Action: Either delete unnecessary members from the library and retry, or start another library.

107E CP/CMS COMMAND 'command, {device}' NOT ALLOWED

Explanation: The named CP or CMS command is not allowed under the CMS batch facility. If it is a CP command, the device is also displayed. If it is a CP LINK command, more than ten LINK commands have been issued without compensating DETACH commands or a possible error has occurred in the LINK command itself.

System Action: CMS continues with the next command in the user job.

User Action: Do not resubmit this command with any batch job. If this was a LINK command reject, check to be sure the LINK command is correct or not more than ten LINK commands have been issued without compensating DETACH commands. Reissue the LINK command after detaching another disk.

Routing: This message is displayed at the batch facility console during user job execution. It will appear on the spooled console output sheet.

107S DISK 'mode {(cuu)}' IS FULL

Explanation: There is not enough space on the specified disk to write the file.

System Action: RC = 100
Execution of the command is terminated. Some records of the output file may have been written out.

User Action: Erase some files from the disk and reissue the command.

108E /SET CARD FORMAT INVALID

Explanation: The batch facility detected invalid information on user's /SET card. Possible errors include:

• No blank delimiters between entries

• Invalid keywords

• Noninteger values for settings

• Values for settings greater than installation limits.

System Action: The user job is flushed and the next batch job is started.

User Action: Correct the /SET card and resubmit the job to the Batch Facility.

Routing: This message is displayed at the batch facility console during user job execution. It appears on the spooled console output sheet.

108S MORE THAN 8 LIBRARIES SPECIFIED

Explanation: Only eight MACLIBs (macro libraries) or TXTLIBs (text libraries) may be specified with a GLOBAL command.

System Action: RC = 88.
Execution of the command is terminated. The old MACLIB or TXTLIB list is cleared.

User Action: Regenerate the MACLIBs or TXTLIBs to include members from other MACLIBs or TXTLIBs, thereby reducing the number of libraries required for this terminal session.

109E {CPU|PRINTER|PUNCH} LIMIT EXCEEDED

Explanation: A user job exceeded the named limit during execution. The limit was determined either by the user job through a /SET control card or by default to the installation settings.

System Action: The user job is flushed and the next batch job is started.

User Action: If the results are unexpected, debug the job before resubmitting it to batch.

Routing: This message is displayed at the batch facility console during user job execution. It will appear on the spooled console output sheet.

109S VIRTUAL STORAGE CAPACITY EXCEEDED

Explanation: There is no more space available in your virtual machine to successfully complete execution of the command. Subsequent execution of certain CMS commands may cause the same problem.

For DMSACC, insufficient free storage remains to access the specified disk.

For DMSAMS, Access Method Services was unable to obtain free storage for the terminal buffer to read the tape ddnames.

For DMSBWR, a write buffer operation attempted to write beyond the limits of the virtual machine's storage.

For DMSFCH, either the phase being fetched would exceed FREELOWE, or in the case of fetching a $$B transient phase, the transient routine would exceed the end of the transient area.

For DMSHLP, not enough storage was available to either load the DMSHLD comunication module or acquire buffer space to format the HELP text file.

For DMSLBM, not enough virtual storage was available to contain the MACLIB dictionary.

For DMSLIO, the loading of text files has caused either the transient area or user area limit to be exceeded. Text file sizes are determined by the length fields of ESD statements. An incorrect value in the length field of an ESD statement may cause this condition.

For DMSSOP, the storage to be used for saving the original DCB is not available.

System Action:
DMSBWR passes a return code of 22 to the program that called it, which then passes a return code of 104. DMSSMN is terminated abnormally with abend code X'804' or X'80A'. DMSVIP abends with CMS abend code X'177'. All other modules that issue this message pass a return code of 104;

execution of the command is terminated, and the system status remains the same.

For DMSACC, the disk is not accessed. Any disk already accessed at the specified point in the search order is released, but not detached.

For DMSOVR, SVCTRACE is turned off if it was on.

For DMSLBM, if additions were being made to the MACLIB (GEN, ADD, or REP functions), it contains all successful additions made before storage was exceeded.

For DMSSOP, opening of the file is terminated.

User Action: You can use the CP DEFINE command to increase the size of the virtual machine, or issue the CMS command RELEASE for any disk no longer needed, to free some of the virtual machine storage. IPL CMS again and reenter the command.

Alternatively, you can do the following:

For DMSARN, DMSSMN, and DMSTPD, reduce the size of the program and retry.

For DMSDLB, clear old definitions that are no longer needed, and retry.

For DMSLBM, issue the MACLIB MAP command to determine the contents of MACLIB. Define additional storage with a CP DEFINE command. Continue processing with the remaining additions.

For DMSLIO, redefine loading locations (origin) or redefine the virtual storage size using the CP command DEFINE. Reissue the entire LOAD/INCLUDE sequence.

109T VIRTUAL STORAGE CAPACITY EXCEEDED

Explanation: There is insufficient virtual storage available for file management control blocks.

System Action: The virtual machine is placed in a disabled wait state and the disk is not updated.

User Action: Issue the CP command DEFINE to increase the size of the virtual machine, IPL CMS again and reenter the command.

110E CORRECT FORM IS: {DOSGEN|CMSXGEN} LOCATION (SEGNAME)

- - - (Basic System Extensions) - - -

110E CORRECT FORM IS: {DOSGEN|CMSXGEN|CMSZGEN} LOCATION (SEGNAME)

- - - - - - - - - - - - - - - - - - -

Explanation: An invalid form of the DOSGEN or, CMSXGEN command was specified. (For

Basic System Extensions, an invalid form of CMSZGEN command was specified.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Correct and reissue the command. 'segname' is optional; if you do not specify it, it defaults to CMSDOS for DOSGEN and to CMSSEG for CMSXGEN. (For Basic System Extensions, DMSZGEN default to CMSZER.)

110S ERROR READING 'TAPn {(cuu)}'

Explanation: A permanent I/O error occurred while reading the specified tape, or the tape is not attached.

System Action: RC = 100
Execution of the command is terminated. For the TAPE command, if the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1. The tape may not be in the same position as before the command was entered.

User Action: If the tape is attached, make sure that it is the correct tape; rewind the tape via the TAPE REW command, position the tape, and retry. If the error persists, check the format of the tape for parity errors, missing tape marks, etc. For the TAPEMAC command, if the problem persists, use the OS utility IEHMOVE to create the PDS again on another tape.

111E {DOSGEN|CMSXGEN|CMSZGEN} FAILED DUE TO LOAD ERRORS

Explanation: Errors occurred when trying to load (using the Loader) CMS text decks into the discontiguous saved segment.

System Action RC = 36
Execution of the command is terminated. The system status remains the same.

User Action: Print or display the file on the A-disk with filename and filetype 'LOAD MAP', which contains diagnostic messages. In some cases, Loader messages may precede this message. If this occurs, refer to the Loader message and follow the user action given.

111S ERROR WRITING 'TAPn (cuu)'

Explanation: A permanent I/O error occurred when writing the specified tape.

System Action: RC = 100
If the DEN, TRTCH, 7TRACK, or 9TRACK options were specified, the modeset byte has been set for the specified device (TAPi, where: i = 1, 2, 3, 4) or TAP1. The tape may not be in the same position as before the command was entered.

DMS

User Action: Reissue the command. If the
error persists, contact your system support
personnel.

112S 'mode (cuu)' DEVICE ERROR

Explanation: An error was encountered in
trying to access the disk, either because
it is an unsupported device, or because an
I/O error occurred while reading in the
master file directory from the device.

System Action: RC = 100.
Execution of the command is terminated. The
system status remains the same unless
another disk was replaced by this access,
as indicated by message DMSACC724I.

User Action: If this is the first time that
you are using this CMS disk, use the FORMAT
command to format it. Reissue the command.
If the problem persists, contact your
system support personnel.

113S {mode|DEVICE|DISK|PRINTER|PUNCH|READER|TAPn| TAPIN| TAPOUT} (cuu) NOT ATTACHED

Explanation: The specified device is not
attached to the virtual machine. If the
message is issued for a tape, it also may
mean that the tape has not been mounted or
the device is not ready.

System Action: RC = 100
Execution of the command is terminated. The
system status remains the same unless
another disk was replaced by this access,
as indicated by message DMSACC724I.

User Action: If the specified device is a
disk, issue the CP command LINK to attach
the disk to the virtual machine, or ask the
system operator to attach the disk to your
virtual machine.

If the specified device is a printer,
punch, or reader, use the CP command DEFINE
to attach it to your virtual machine.

If the specified device is a tape drive,
ask the system operator to attach or mount
the tape and ready the device.

Then reissue the command.

114E 'fn ft fm' NOT LOADED; CMS/DOS ENVIRONMENT {NOT} ACTIVE

Explanation: Either the CMS/DOS environment
is active and you are trying to load a
program that uses OS macros, or the CMS/DOS
environment is not active and you are
trying to load a program that uses DOS
macros. Neither of these situations is
allowed.

System Action: RC = 40 or -0005
The command is not executed.

User Action: Use the CMS command SET to set
DOS on or off, and reissue the command.

114S 'cuu' IS AN UNSUPPORTED DEVICE TYPE

- - - (Basic System Extensions) - - -

114S 'cuu' IS AN UNSUPPORTED DEVICE, OR REQUESTED BLKSIZE IS NOT SUPPORTED FOR THE DEVICE

- - - - - - - - - - - - - - - - - - -

Explanation: VM/370 does not support either
the attached device or the requested block
size.

System Action: RC = 88
Execution of the command is terminated.
The system status remains the same.

User Action: Attach a device that is
supported by VM/370, or issue the command
with a valid block size for the device.

115E PHASE LOAD POINT LESS THAN 'address'

Explanation: The phase load point is less
than the beginning of the user area.

System Action: RC = 40
Execution of the command is terminated. The
system remains in the same status as before
the routine was entered.

User Action: Ensure that the phase load
point is greater than or equal to the
beginning of the user area by altering
linkage-editor control statements.

115S {CONVERSION| {7|9}-TRACK| {800|6250} BPI| TRANSLATION|DUAL-DENSITY} FEATURE NOT SUPPORTED ON DEVICE 'cuu'

Explanation: The user has specified a tape
mode setting that requires a feature not
supported by the attached real device.

System Action: RC = 88
The system remains unchanged; the tape
device has not been repositioned.

User Action: Reissue the command using mode
options (nTRACK, DEN, TRTCH) appropriate
for the attached device; or attach a device
with the appropriate features.

116S LOADER TABLE OVERFLOW

Explanation: There are too many entry-point
or control-section names in the loader
table built during loading.

System Action: RC = 104
Loading is terminated.

User Action: IPL CMS again, redefine the
number of loader tables with the SET
command, and issue the LOAD/INCLUDE
sequence (for DMSLIO) or the LOADMOD
command (for DMSMOD).

117S ERROR WRITING TO DISPLAY TERMINAL

Explanation: An I/O error occurred when a
DIAGNOSE command was issued to write to a
display terminal during an EDIT session.

System Action: RC = 100
The EDIT session is terminated. The virtual
machine is placed in CMS mode.

User Action: Retry the EDIT session. If the
problem persists, contact your system
support personnel.

118S ERROR PUNCHING FILE {'fn ft fm'}

Explanation: An input/output error occurred
while punching the file.

System Action: RC = 100
Some of the file may have been punched.
The file being read is closed and an
attempt is made to close the punch before
terminating the command.

User Action: Reissue the command. If the
problem persists, contact your system
support personnel.

119S UNSUPPORTED FORM OF 'macro' MACRO

Explanation: An unsupported or invalid form
of the macro listed in the message has been
executed by a user program.

System Action: CMS is terminated abnormally
with an abend code of X'400'.

User Action: Check your program for an
invalid or unsupported form of the macro
listed in the message.

120S {IN|OUT}PUT ERROR CODE 'nn' ON 'ddname'

Explanation: The indicated error code was
returned from an OS READ, WRITE, GET, or
PUT macro.

The error code in the message is supplied
only if the error was an INPUT or OUTPUT
error, not if it was a FIND, POINT, BSP, or
some other type of operation error. Error
codes differ for the various types of
devices. Error code meanings are listed
below.

For DMSSCT, CMS issues this message if an
I/O error is encountered by an OS CLOSE
macro or if an I/O error is encountered by
an OS CHECK, GET, or PUT macro and a
SYNADAF routine is not specified by the
user.

For DMSSVT, this message is built by the
simulation routine for the SYNADAF macro;
it is issued by a user SYNAD routine. If
the message is printed by an OS program

product SYNAD routine, the SYNAD routine
usually places a message number of its own
in front of the message number listed above
and append some information of its own to
the end of the message.

System Action:
For DMSSCT, CMS is terminated abnormally
with an abend code of 1.

For DMSSVT, the program continues to
execute.

For DMSFCH, RC = 100 and execution of the
command is terminated.

User Action: Use the error code to
determine the correct message and possible
cause of the error.

ALL DEVICES

Code Meaning
254 BSAM, BPAM, or BPAM-CHECK was called
     with an unposted ECB specified.

DISK INPUT

Code Meaning
1   The file was not found.
2   The virtual storage area was not
     within the limits of the virtual
     machine.
3   A permanent disk error occurred.
5   The number of items was zero.
7   The fixed/variable flag in FST entry
     was not F or V.
8   The given storage area was smaller
     than the actual size of the item read.
     (Recoverable error; the number of
     bytes corresponding to the size of the
     buffer have been read.)
9   The file is open for writing; it must
     be closed before it can be read.
11   The number of items is greater than 1,
     for a variable-length file.
12   An unexpected end of file occurred
     (the item number specified exceeds the
     number of items in the file).
13   A variable-length file has an invalid
     displacement in the active file table.
80   An I/O error occurred while reading an
     OS data set or DOS file.
255 BDAM or BSAM (CREATE)- either:
     1. A specification error occurred,
         or
     2. An I/O error occurred while
         reading or writing KEYS, or
     3. The XTENT option was not
         specified in the FILEDEF command,
         or the XTENT was too small.
     BPAM - An I/O error occurred while
         reading in or writing out the
         directory of a MACLIB file.

Note: All errors except 8 (above) cause
execution of the command to terminate.
Error 8 is valid if reading the first
portion of a large record into a small
buffer.

DISK OUTPUT

Code Meaning
1 The filename or filetype was not specified, or is invalid.
2 The virtual storage address is zero.
4 The first character mode was invalid.
5 The second character mode was invalid.
6 The number of records in the file is too large; it cannot exceed 65,533.
7 An attempt was made to skip over an unwritten variable-length item.
8 The number of bytes was not specified.
9 The file was already active for reading.
10 The maximum number of CMS files (3500) was reached.
11 The fixed/variable flag was not F or V.
12 The mode is S (system) or other read-only disk.
13 The disk is full.
14 The number of bytes to be written is not integrally divisible by the number of records to be written.
15 The length of this item is not the same as the previous item.
16 The fixed/variable flag is not the same as that of the previous record.
17 A variable-length item is greater than 65K bytes.
18 The number of items is greater than 1 for variable-length file.
19 The maximum number of data blocks per file (16060) was reached.
20 An invalid character was detected in the filename.
21 An invalid character was detected in the filetype.
255 BDAM or BSAM (CREATE) - either:
    1. A specification error occurred, or
    2. An I/O error occurred while reading or writing KEYS, or
    3. The XTENT option was not specified in the FILEDEF command, or the XTENT was too small.
    BPAM - An I/O error occurred while reading in or writing out the directory of a MACLIB file.

CONSOLE INPUT

Code Meaning
2 Invalid code - no read was issued.
12 A null line or end-of-file condition was encountered.

CONSOLE OUTPUT
    None.

TAPE INPUT AND OUTPUT

Code Meaning
1 An invalid function or option list was encountered.
3 A permanent I/O error occurred.
4 An invalid device identification was specified.
5 The tape was not attached.

Code Meaning
6 The tape is file protected.
7 A serious tape error occurred.
8 Incorrect length error.
12 An end-of-file or end-of-tape condition was encountered.

PRINTER

Code Meaning
1 The buffer size is too large.
2 Channel 12 was sensed (virtual 3211 only).
3 Channel 9 was sensed (virtual 3211 only).
5 An unknown error occurred.
100 The device is not attached, or intervention is required.

CARD READER

Code Meaning
2 The file was not read.
3 An unknown error occurred.
4 The device is not operational.
5 The count was not equal to the requested count.
8 The given storage area was smaller than the actual size of the item read. (Recoverable error; the number of bytes corresponding to the size of the buffer have been read.)
12 End of file was reached.
100 The device is not attached.

CARD PUNCH

Code Meaning
2 An unrecoverable unit check occurred.
3 An unknown error occurred.
4 The device is not operational.
100 The device is not attached.

121S UNSUPPORTED SVC svc (HEX xx) CALLED FROM addr

Explanation: The caller issued an SVC, specifying a number that was not recognized by the CMS or CMS/DOS SVC handler.

The CMS SVC handler recognizes the following SVC numbers:

• SVC 202 (X'CA') and SVC 203 (X'CB') are always recognized by the CMS SVC handler, since these SVCs are used to specify CMS system functions and commands.

• A program may specify an SVC handling routine by means of the HNDSVC function. Until cleared, these SVC numbers are recognized by the SVC handler.

• Certain SVC numbers are supported by the OS macro simulation routines. There are two types of these simulation routines. The SVC numbers supported by the storage-resident CMS nucleus are always

recognized by the SVC handler. Those supported by the disk-resident transient library are recognized by the SVC handler only if the file DMSSVT module can be found.

- Certain SVC numbers are supported by the DOS macro simulation routines. The SVC numbers supported by the shared segment resident routine are always recognized by the SVC handler.

System Action: After the error message is displayed, no further action is taken. Control returns to the routine that made the SVC. For DMSDOS, RC = 100, and execution of the command terminates.

User Action: To stop execution of the program, type HX. You can remove the specified SVC call from the caller's program, or use the CMS SVC handler function (HNDSVC) to provide your own routine to handle the specified SVC.

122S ERROR IN CALL TO routine FROM addr, ERROR CODE nnn (HEX xxxxxx)

Explanation: A CMS SVC (202 or 203) instruction was executed, and no provision was made for an error return from the routine processing the SVC. Nonetheless, an error occurred. "nnn" is the return code, in decimal, issued by the routine given in the message; "xxxxxx" is the same return code, in hexadecimal.

System Action: The system is terminated abnormally with abend code X'OF3'.

User Action: If you enter DEBUG and type GO, control returns to the point to which a normal return would have been made. Register 15 contains the error code.

123S ERROR 'nn' PRINT PUNCHING FILE 'fn ft fm'

Explanation: An I/O error was encountered while attempting to print or punch a record. Refer to message DMSxxx120s for an explanation of error codes.

System Action: RC = 100
The output device is closed and execution of the command is terminated.

User Action: Use the error code to determine possible cause of error. Reissue the command, and if the error persists, contact your system support personnel.

124S ERROR READING CARD FILE

Explanation: A permanent input/output error occurred when reading a specified file.

System Action: RC = 100
Execution of the command is terminated. The reader is closed with the HOLD option to attempt to preserve the file.

User Action: Reissue the command. If the error persists, contact your installation support personnel.

125S PERMANENT UNIT CHECK ON DISK 'mode(cuu)'

Explanation: An unrecoverable I/O error occurred on the specified disk.

System Action: RC = 100
Execution of the command is terminated. Some cylinders may have been formatted. If so, the number is indicated by message DMSFOR732I.

User Action: Contact your system support personnel.

126S ERROR {READ|WRIT}ING LABEL ON DISK 'mode(cuu)'

Explanation: An unrecoverable I/O error occurred on the specified disk.

System Action: RC = 100
Execution of the command is terminated. The system status remains the same.

User Action: Contact your system support personnel.

127S UNSUPPORTED DEVICE FOR ddname

Explanation: The command does not support the device specified for the given ddname.

System Action: RC = 100
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the FILEDEF command, specifying the correct device type, and retry the command. If the error persists, call your system support personnel.

128S I/O ERROR ON INPUT AFTER READING nnn RECORDS: INPUT ERROR code ON ddname

Explanation: The SYNAD exit was taken in response to an OPEN, GET, or CLOSE macro on the DCB for the specified ddname. The meaning of the error code can be found in the explanation of message DMSxxx120S in this manual.

System Action: RC = 100
Execution of the command is terminated. The system status remains the same.

User Action: Correct the condition causing the I/O error, and reissue the command.

129S I/O ERROR ON OUTPUT WRITING RECORD NUMBER nnnn: OUTPUT ERROR code ON ddname

Explanation: The SYNAD exit was taken in response to an OPEN, PUT, or CLOSE macro on the DCB for the specified ddname. The meaning of the error code can be found in the explanation of message DMSxxx120S in this manual.

System Action: RC = 100
Execution of the command is terminated. The system status remains the same.

User Action: Correct the condition causing the I/O error, and reissue the command.

130S BLOCKSIZE ON V FORMAT FILE ddname IS LESS THAN 9

Explanation: The FILEDEF for the ddname specifies a record format (RECFM) of V, but the specified blocksize (BLOCK) is less than nine.

Note: A block of a variable length (V-format) file begins with a four byte field giving the size of the block. Furthermore, each logical record within the block begins with a four byte field specifying the size of that logical record. For that reason, a V-format file cannot have a blocksize less than nine.

System Action: RC = 88
Execution of the command is terminated. The system status remains the same.

User Action: Specify a blocksize of nine or greater, and retry.

131S IPL DEVICE WRITE I/O ERROR

Explanation: An uncorrectable I/O error occurred while writing the nucleus.

System Action: The system continues as if the user had responded "no" to DMSINI607R.

User Action: Make sure that the nucleus cylinder number is not larger than the size of the disk. If it is, perform an IPL and specify the correct cylinder number. If it is not, call your system support personnel.

132S FILE 'fn ft fm' TOO LARGE

Explanation: The specified file is too large for the user's virtual machine.

System Action: RC = 88
Execution of the command is terminated. The system status remains the same.

User Action: Split the file, or use the CP command DEFINE to increase the size of the virtual machine, and reissue the command.

133S INVALID GETMAIN OR FREEMAIN SPECIFICATION

Explanation: Either the user passed invalid parameters or the GETMAIN or FREEMAIN chain has been destroyed.

System Action: The system is terminated abnormally with abend code X'704', X'705', X'804', X'80A', X'905', X'90A', X'A05', or X'A0A'.

User Action: Check for possible GETMAIN or FREEMAIN specification errors in the user program.

134S UNSUPPORTED SVC 203 CODE nn CALLED FROM addr.

Explanation: SVC 203 was executed, and the halfword code following it was not recognized by the system.

System Action: The system is terminated abnormally with abend code X'0F1'.

User Action: If you enter DEBUG and type GO, control returns to the point following the SVC call.

135S MAXIMUM SVC DEPTH 20 HAS BEEN EXCEEDED WITH CALL AT addr

Explanation: SVC recursion occurs when one SVC handling routine executes an SVC instruction which invokes another SVC handling routine which, in turn, executes an SVC instruction. This can happen, for example, when EXEC files make nested calls to other EXEC files.

The CMS system does not allow the nesting level of SVCs to exceed 20, or the nesting level of EXECs to exceed 19.

System Action: The system is terminated abnormally with abend code X'0F2'.

User Action: Type in the next command; this will cause abend recovery to take place.

136S UNABLE TO LOAD 'IDCAMS'

Explanation: The command has not been executed because Access Method Services could not successfully load the DOS/VS IDCAMS Access Method Services program.

System Action: RC = 104
Execution of the command is terminated. The system status remains the same.

User Action: Verify whether sufficient virtual storage is available to run Access Method Services under CMS/VSAM. If not, define a larger virtual machine, IPL CMS again, and reissue the command. If sufficient storage was available, contact your system support personnel.

136T SVC CALL FROM addr ILLEGALLY RE-ENTERS
INTSVC. RE-IPL CMS

Explanation: The CMS nucleus has failed.
An SVC instruction was executed
unexpectedly by the CMS nucleus before
interpretation of the preceding SVC call
had been completed.

System Action: The system is terminated by
loading a disabled wait state PSW.

User Action: Issue the CP DUMP command to
get a dump of virtual storage, save the
output, and call IBM for software support.
Then IPL CMS again.

137S ERROR nn ON STATE FOR fn ft

Explanation: An error occurred while
attempting to determine if a 'fn ft' exists
that must be erased before continuing to
load the tape.

nn indicates the nature of the error; it
may be one of the following:

Code Meaning
  20 An invalid character appeared in the
     fileid.
  36 The disk is not accessed.

System Action: RC = 100
The tape is positioned within the data
file.

User Action: If you can determine the
problem from the "Explanation" and remedy
the condition, reissue the command.
Otherwise, reissue the command and if the
problem persists, contact your system
support personnel.

137T CALL TO routine FROM addr DESTROYED SYSTEM
SAVE AREA. RE-IPL CMS

Explanation: A critical system control
block was found to contain invalid
information upon return from a function or
command.

System Action: The system is terminated by
loading a disabled wait state PSW.

User Action: IPL CMS again.

138S ERROR nn ERASING fn ft BEFORE LOADING TAPE

Explanation: After determining that there
was a file named 'fn ft' on the A-disk, an
attempt was made to erase it before
continuing the PDS load from tape. However,
the erase failed for the specified reason.

Code Meaning
  24 The disk is read-only, or the option,
     parameter, mode, or fileid is invalid.
     Erase is not allowed.
  28 The file was not found.
  36 The disk is not accessed.

System Action: RC = 100
Execution of the command is terminated. The
tape is positioned within the data file.

User Action: Access the A-disk in write
mode and reissue the command.

138T 'DMSKEY' CALL FROM addr OVERFLOWS KEY
STACK, WITH MAX DEPTH 7

Explanation: The DMSKEY key stack
overflowed. For a complete description of
the DMSKEY key stack, see the description
of the DMSKEY macro in the VM/370 System
Programmer's Guide.

System Action: The system is terminated
abnormally with abend code X'0F4'.

User Action: If you enter DEBUG and type
go, execution continues and the DMSKEY
macro is ignored.

139S TAPE FILE EXCEEDS 9 CMS MACLIBS

Explanation: Nine CMS MACLIBs have already
been created and there is still more data
on the tape.

System Action: RC = 104
Execution of the command is terminated; the
tape is positioned within the data file.

User Action: If possible, increase the
ITEMCT value in order to create larger CMS
files. If this is not possible, it may be
necessary to use the TAPPDS command to load
each member as a different file on the disk
and then create the MACLIBs from the
individual files using the MACLIB command.

139T 'DMSKEY RESET' FROM addr UNDERFLOWS KEY
STACK

Explanation: The DMSKEY key stack was empty
and a program routine tried to delete one
more key from it. For a complete
description of the DMSKEY key stack, see
the description of the DMSKEY macro in the
VM/370 System Programmer's Guide.

System Action: The system is terminated
abnormally with abend code X'0F5'.

User Action: If you enter DEBUG and type
"go", execution continues and the DMSKEY
macro is ignored.

140S {FEOVD|SEOV|FEOV} MACRO NOT SUPPORTED

Explanation: CMS/DOS does not support the
FEOVD, SEOV, or FEOV macros.

System Action: RC = 100
Execution of the command is terminated.

User Action: Eliminate the unsupported
macros from the user program and reissue
the command.

140T routine ROUTINE CALLED FROM addr DID DMSKEY WITH NO RESET.

Explanation: When control returned from a command or function, the DMSKEY key stack for that command or function was not empty. For a complete description of the DMSKEY key stack, refer to the description of the DMSKEY macro in the VM/370 System Programmer's Guide.

System Action: The system is terminated abnormally with abend code X'0F6'.

User Action: If you enter DEBUG and type "go", control returns from the function or command as if the key stack were empty.

141S {DOSGEN|CMSXGEN|CMSZGEN|DMSZES} FAILED DUE TO SAVESYS ERRORS

Explanation: Errors occurred while trying to issue the CP SAVESYS command to save the discontiguous shared segment.

System Action: RC = 100
Execution of the command is terminated. The system status remains the same.

User Action: A CP error message was issued before this message. Locate the CP error message and follow the user action given.

141T exception EXCEPTION OCCURRED AT addr IN ROUTINE callee

Explanation: The specified hardware exception occurred at the specified location.

System Action: The system is terminated abnormally with abend code X'0Cn', where n depends on the type of exception:

n	Type
0	Imprecise
1	Operation
2	Privileged operation
3	Execute
4	Protection
5	Addressing
6	Specification
7	Decimal data
8	Fixed-point overflow
9	Fixed-point divide
A	Decimal overflow
B	Decimal divide
C	Exponent overflow
D	Exponent underflow
E	Significance
F	Floating-point divide

User Action: Enter DEBUG mode to examine the PSW and registers at the time of the exception.

142S SAVED SYSTEM NAME 'name' INVALID

Explanation: The name specified with the SET command was not the same as one of the labels in the SYSNAMES table; that is, it was not CMSSEG, CMSDOS, CMSAMS, or CMSVSAM.

System Action: RC = 24
Execution of the command is terminated.

User Action: Reissue the command, specifying a valid name.

142T exception EXCEPTION OCCURRED AT addr IN ROUTINE routine DURING 'SPIE' EXIT ROUTINE

Explanation: The specified hardware exception occurred during a SPIE exit routine.

System Action: The system abends with abend code X'0Cn', where n depends on the type of exception.

n	Type
0	Imprecise
1	Operation
2	Privileged operation
3	Execute
4	Protection
5	Addressing
6	Specification
7	Decimal data
8	Fixed-point overflow
9	Fixed-point divide
A	Decimal overflow
B	Decimal device
C	Exponent overflow
D	Exponent underflow
E	Significance
F	Floating-point divide

User Action: Enter DEBUG mode to examine the PSW and registers at the time of the exception.

143S UNABLE TO LOAD SAVED SYSTEM OR LOAD MODULE

Explanation: Neither a CMS segment nor an EDMAIN load module is available.

System Action: RC = 40
Execution of the command is terminated. The system status remains the same.

User Action: Access a disk with an EDMAIN MODULE or use the SET command to ensure that the CMSSEG entry in the SYSNAMES table contains the name of an available CMS segment.

143T exception EXCEPTION OCCURRED AT addr in SYSTEM ROUTINE callee. IPL CMS again

Explanation: The specified hardware exception occurred in a CMS system routine.

System Action: The CMS system halts by loading a disabled wait state PSW.

User Action: You may continue processing (with DEBUG) by using the CP command STORE PSW to turn off the wait state bit in the virtual PSW, leaving the address field unmodified; then type BEGIN.

Note, however, that the exception may have
occurred in a vital system function, and so
the system may no longer function properly.
You may even lose your read/write disks.
If this happens, IPL CMS again.

144S REQUESTED FILE IS IN ACTIVE STATUS

Explanation: The fileid specified in the
EDIT command line is that of a file
currently in use, or in active status. The
read pointer for the file may be at any
record in the file, which would cause that
record to be read into storage by the
Editor as the first record in the file. A
subsequent FILE or SAVE command would
result in loss of records prior to the
first record read into storage. This
problem could exist if an EXEC is being
executed which includes an EDIT command
specifying the fileid of the EXEC.

System Action: Execution of the command is
terminated. The system status remains the
same.

User Action: Ensure that the file is not
active when the EDIT command is issued. In
the EXEC example, change the EXEC and issue
the EDIT command separately.

**144T exception EXCEPTION OCCURRED AT addr IN
ROUTINE callee WHILE 'UFDBUSY' = xx. IPL
CMS again**

Explanation: A program exception occurred
in a routine that updates the user file
directory for a read/write disk.

System Action: The CMS system halts by
loading a disabled wait state PSW.

User Action: You can continue processing by
using the CP command STORE PSW to turn off
the wait state bit in the virtual PSW,
leaving the address field unmodified; then
type BEGIN.

Note, however, that the exception may have
occurred in a vital system function, and so
the system may no longer function properly.
You may even lose your read/write disks.

145S INTERVENTION REQUIRED ON {PRINTER|PUNCH}

Explanation: This message is issued if:

• The punch or printer is not ready.
• Spooling space is exhausted while a file
  is being punched or printed.

System Action: RC = 100
If the punch or printer was not ready, the
system status remains the same. If
spooling space was exhausted, the file has
been punched or printed up to the point
where the space ran out, and the system
operator has been notified of the
condition.

User Action: Ready the punch or printer via
the CP READY command. If spooling space
was exhausted, ask the VM/370 system
operator when spooling space will be
available for punching or printing the file
again.

- - - (Basic System Extensions) - - -

**147R IS THE SHARED S-DISK Y-DISK DIRECTORY TO BE
USED WITH THIS SYSTEM? YES NO**

Explanation: Since the shared directories
are copies of the current in-storage UFDS,
the segment must be generated on the same
level system to use the segment.

System Action: None.

User Action: If the currently generated
system is the wrong level or the shared
directory feature is not wanted, reply
'NO'. A reply of 'YES' causes the current
in-storage S-STAT or Y-STAT to be copied
into the CMSZER segment and saved with the
named segment. If you reply 'NO' to this
S-DISK message, the system will also bypass
erasing the Y-DISK.

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148T SYSTEM ABEND xxx CALLED FROM 'addr'

Explanation: The system detected a
condition that made it impossible to
continue execution of your program or
command.

System Action: The system clears any
stacked input lines and allows you to enter
your next command.

If you enter the DEBUG command, DEBUG mode
is entered with the PSW and registers set
as they were when the abend occurred. If
you enter any other command, the abend
recovery routine releases all your virtual
storage and reinitializes the command
handling mechanism before executing your
next command.

User Action: Enter a valid command.

**149T nnn (HEX xxx) DOUBLEWORDS OF SYSTEM STORAGE
HAVE BEEN DESTROYED. RE-IPL CMS**

Explanation: In attempting to recover from
a system abend, the abend recovery routine
discovered invalid data in some critical
system storage area.

System Action: The CMS system halts by
loading a disabled wait state PSW.

User Action: If you wish to continue abend
recovery, use the CP STORE command PSW to
turn off the wait state bit, leaving the
address field unmodified; then type BEGIN.
However, the system may be unable to
continue operating properly, and, in the
worst case, you may destroy your read/write
disks.

150W nnn (HEX xxx) DOUBLEWORDS OF SYSTEM STORAGE WERE NOT RECOVERED

Explanation: In attempting to recover from a system abend, not all system storage was recovered.

System Action: Abend recovery proceeds as if storage recovery had been successful.

User Action: You may continue processing; your program should be executed correctly. Note, however, that the amount of storage available to your program is reduced by the amount shown in the message.

152T SYSTEM ABEND xxx CALLED FROM addr WHILE 'UFDBUSY' = xx. RE-IPL CMS

Explanation: A system abend occurred in a routine that updates the user file directory for a read/write disk.

System Action: The system is terminated by loading a disabled wait state PSW.

User Action: If you wish to continue abend recovery, use the CP command STORE PSW to turn off the wait state bit leaving the address field unmodified, and type BEGIN. However, the system may be unable to continue operating properly, and, in the worst case, you may destroy your read/write disks.

153W 'HX' DURING ABEND PROCESSING WAS IGNORED

Explanation: 'HX' was typed while the abend processing routine was in progress.

System Action: The system ignores the 'HX' and continues abend processing.

User Action: None.

154T SAVE AREA FOR SVC CALL FROM addr CANNOT BE ALLOCATED

Explanation: Insufficient free storage is available to allocate a save area for an SVC.

System Action: The system is terminated abnormally with abend code X'0F0'.

User Action: If the abend was caused by an error in the application program (such as an unending loop), fix the program and retry. If not, use the CP DEFINE command to increase the size of your virtual storage, IPL CMS again, and reissue the command.

155T USER ABEND nnnn CALLED FROM addr

Explanation: An abend macro was executed at the specified location.

System and User Action: The system clears any stacked input lines and allows you to type in your next command.

If you enter the DEBUG command, DEBUG mode is established with the PSW and registers set as they were when the abend occurred. If you enter any other command, the abend recovery routine releases all your virtual storage and reinitializes the command handling mechanism before executing your next command.

156E 'FROM nnn' NOT FOUND - FILE 'fn ft fm' HAS ONLY 'nnn' RECORDS

Explanation: The FROM option was given in the command line to specify the starting record of the copying operation, but the specified input file does not contain that many records.

System Action: RC = 32
Execution of the command is terminated. The system status remains the same, with the following exceptions:

* If the APPEND option was specified and the copying process began before the error was discovered, records have been appended to the output file.

* If the NEWFILE (the default), REPLACE, or OVLY option was specified and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.

* If in multiple-output-file mode, several output files may have been created before the error was discovered.

User Action: Reissue the command, specifying a valid starting record.

157E LABEL 'label' NOT FOUND IN FILE 'fn ft fm'

Explanation: The FRLABEL option was specified in the command line, but the given label was not found in the specified input file.

System Action: RC = 32
Execution of the command is terminated. The system status remains the same, with the following exceptions:

* If the APPEND option was specified and the copying process began before the error was discovered, records have been appended to the output file.
* If the NEWFILE (the default), REPLACE, or OVLY option was specified and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.

User Action: Reissue the command, specifying a valid label.

157S MACLIB LIMIT EXCEEDED {, LAST MEMBER ADDED
WAS 'membername'}

> Explanation: While files were being added
> to a MACLIB, either the maximum CMS file
> size (65533 items) was exceeded or the
> MACLIB disk space was filled. If the error
> was detected while writing the first member
> to a MACLIB, the last part of the message
> is omitted and message DMSLBM213W is also
> issued. Otherwise, the member name of the
> last successful addition is displayed.

> System Action: RC = 88
> Execution of the command is terminated.
> All successful additions made before the
> limit was exceeded are contained in the
> MACLIB.

> User Action: Issue the LISTFILE command to
> determine if the number of MACLIB items is
> approaching 65533. If so, no more macros
> may be added to the MACLIB: it is at the
> CMS file size limit. Generate another
> MACLIB.

> Issue the QUERY command to see if the
> MACLIB disk is approximately 97 percent
> full. If so, more disk space must be
> found. Issue the MACLIB MAP command to
> determine the contents of MACLIB.

158E NO CMS/DOS PROCEDURE LIBRARY SUPPORT

> Explanation: CMS/DOS does not support the
> reading or writing of the DOS/VS procedure
> library from the user program.

> System Action: RC = 100
> Execution of the command is terminated.

> User Action: Correct the ten-byte field
> passed to DMSOPL ($$BOPNLB) to indicate
> source library processing. Then reissue
> the command.

159T INSUFFICIENT STORAGE AVAILABLE TO SATISFY
DMSFREE REQUEST FROM addr

> Explanation: A DMSFREE request from the
> specified location could not be satisfied.
> If the request was variable, then even the
> minimum request could not be satisfied.

> System Action: The system makes no further
> attempt to allocate storage, and takes
> further action depending on the type of
> DMSFREE call that was made:

> • If the call was conditional (the ERR=
> option was specified), a return is made
> to the caller with a return code of 1.

> • If the call was unconditional and was
> made via SVC 203, a system abend 0F7
> occurs.

> • If the call was unconditional and was
> made by specifying TYPCALL=BALR in the
> DMSFREE macro, a system abend 0F8
> occurs.

> User Action: In the case of conditional
> requests, the programmer has presumably
> anticipated an error situation, and no
> further action is required. In the case of
> a system abend, issue the DEBUG command to
> attempt recovery from the situation.

160S JOB CANCELED DUE TO PROGRAM REQUEST

> Explanation: The job has been canceled
> either by a CANCEL macro issued from the
> user's program, or from the CMS/DOS routine
> when an error was encountered during
> execution.

> System Action: RC = 100
> Execution of the command is terminated.

> User Action: If the cancel was initiated by
> the user's request, no action is needed.
> If an error message precedes this message,
> follow the user action of the preceding
> message.

160T INVALID DMSFREE CALL FROM addr

> Explanation: An invalid DMSFREE request was
> made. One of the following has occurred:

> • The number of doublewords requested was
> zero or negative.

> • For variable requests, the minimum
> request was greater than the maximum.
> (Note that this error is never detected
> if the maximum request can be satisfied.
> This point can be important where a
> program that has run successfully
> suddenly fails when less storage is
> available.)

> System Action: The system makes no further
> attempt to allocate storage, and takes
> further action depending on the type of
> DMSFREE call that was made:

> • If the call was conditional (the ERR=
> option was specified), a return is made
> to the caller with a return code of 4.

> • If the call was unconditional and made
> via SVC 203, a system abend 0F7 occurs.

> • If the call was unconditional and was
> made by specifying TYPCALL=BALR in the
> DMSFREE macro, a system abend 0F8
> occurs.

> User Action: In the case of conditional
> requests, the programmer has presumably
> anticipated an error situation, and no
> further action is required. In the case of
> a system abend, use the DEBUG command to
> attempt a recovery from the situation.

161S UNEXPECTED ERROR CODE 'nn' ON 'SYSxxx'

> Explanation: An error occurred during an
> EXCP (SVC 0) request. The error code
> indicates the type of error that occurred:

Code Meaning
1   No channel program(s) (CCW) address was specified in the CCB.

2   The logical unit specified in the CCB is unassigned.

3   The device specified for the logical unit in the CCB is unsupported.

4   An invalid CCW command code was found.

5   The logical unit specified in the CCB is assigned to an unknown disk.

6   An attempt has been made to write to a DOS-formatted disk.

7   A specified CCW command is unsupported in CMS/DOS.

8   An attempt has been made to read from a disk not in CMS, DOS, or OS format.

System Action: RC = 100
Execution of the routine is terminated.

User Action: Use the error code to determine and correct the possible cause of error.

161T INVALID DMSFRET CALL FROM addr, ERROR NUMBER nn

Explanation: An invalid DMSFRET request was made from the specified address. The error number indicates the type of error that occurred:

Error
No.   Meaning
5   The number of doublewords specified was zero or negative.

6   The block of storage being released was never allocated by DMSFREE. Such an error is detected if one of the following is found:

• The block does not lie entirely within those sections reserved for DMSFREE storage.

• The block crosses a page boundary that separates a page allocated for TYPE=USER storage from a page allocated for TYPE=NUCLEUS storage.

• The block overlaps another block already on the free storage chain.

7   The address given for the block being released is not doubleword aligned.

System Action: The system makes no further attempt to release the storage block, and takes further action depending on the type of DMSFRET call made:

• If the call was conditional (the ERR= option was specified), a return is made to the caller with a return code of 5, 6, or 7.

• If the call was unconditional and was made via SVC 203, a system abend 0F7 occurs.

• If the call was unconditional and was made by specifying TYPCALL=BALR in the DMSFREE macro, a system abend 0F8 occurs.

User Action: In the case of conditional requests, the programmer has presumably anticipated an error situation, and no further action is required.

In the case of a system abend, use DEBUG to attempt to recover from the situation.

162T VITAL FREE STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn), RE-IPL CMS

Explanation: A free storage management pointer in NUCON has been destroyed. The system cannot continue. The error code indicates the type of error that occurred:

Code Meaning
84   The current low EXTEND value (FREELOWE) is greater than VMSIZE.

85   The current low EXTEND value is below the beginning user of the area.

86   Bytes in FREETAB are not within the valid range.

System Action: The system is terminated by loading a disabled wait state PSW.

User Action: IPL CMS again.

163T {LOW|HIGH}-CORE USER CHAIN HAS BEEN DESTROYED (INTERNAL ERROR CODE nn)

Explanation: The chain of all storage elements, from which DMSFREE storage with TYPE=USER (the default) is allocated, has been destroyed.

Since these storage pointers are unprotected, a user program may inadvertently destroy them without getting a protection violation. The "internal error code" in the error message is for error analysis by system programmers.

System Action: The system first displays message DMSFRE165T.

Next, the system attempts to recover sufficiently so that processing can continue at least to the point where abend recovery can be performed. It does this by zeroing out the chain header pointers for the destroyed chain. This effectively "loses" any storage that is on that particular chain, but it allows processing to continue. (Note that abend recovery will later recover all "lost" TYPE=USER storage.)

Further system action depends on the type of DMSFREE or DMSFRET call that was made:

- If the call was conditional (the ERR= option was specified), a return is made to the caller with a return code of 2.

- If the call was unconditional and was made via SVC 203, then a system abend OF7 occurs.

- If the call was unconditional and was made by specifying TYPCALL=BALR in the DMSFREE macro, a system abend OF8 occurs.

User Action: In the case of conditional requests, the programmer has presumably anticipated an error situation, and no further action is required.

In the case of a system abend, use the DEBUG command to attempt a recovery from the situation.

164T {LOW|HIGH}-CORE NUCLEUS STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn). RE-IPL CMS

Explanation: The chain of free-storage elements, from which DMSFREE storage with TYPE=NUCLEUS is allocated, has been destroyed.

System Action: The system is terminated by loading a disabled wait state PSW.

User Action: Issue the CP DUMP command to get a dump of virtual storage, and save the output for your system programmer. Then IPL CMS again.

165T CHAIN HEADER AT addr: xxxxxx xxxxxx xxxxxx xxxxxx

Explanation: This message appears in conjunction with messages DMSFRE163T and DMSFRE164T. It indicates the contents of the DMSFRE chain header block for the destroyed chain.

System Action: See "System Action" for messages DMSFRE163T and DMSFRE164T.

User Action: See "User Action" for messages DMSFRE163T and DMSFRE164T.

166T UNEXPECTED ERROR IN FREE STORAGE MANAGEMENT ROUTINE (INTERNAL ERROR CODE nn). RE-IPL CMS.

Explanation: The DMSFRE routine had an unexpected internal error. Furthermore, a check showed that all internal free storage pointers were valid.

System Action: The system is terminated by loading a disabled wait state PSW.

User Action: Issue the CP DUMP command to get a dump of virtual storage, and save the output for your system programmer. Then IPL CMS again.

167S PREVIOUS MACLIB FUNCTION NOT FINISHED

Explanation: A MACLIB GEN, ADD, REP, or DELETE function issued for this MACLIB was ended (for example via a HX command) prior to normal completion.

System Action: RC = 88
The current command is not executed. The system status remains the same.

User Action: The MACLIB status is unpredictable. Use the MACLIB GEN command to reconstruct the MACLIB.

167T FREE STORAGE MANAGEMENT ERROR, INTERNAL ERROR CODE nn

Explanation: An unexpected error occurred in the free storage management routine that handles DMSFREE and DMSFRET requests.

System Action: The system begins to check all free storage pointers for consistency to see if any have been destroyed. The system displays further diagnostic messages when inconsistencies are discovered.

User Action: Check the "User Action" for the further diagnostic messages that are produced.

168S PSEUDO REGISTER TABLE OVERFLOW

Explanation:
(START or LOAD/INCLUDE START). The pseudo register index table is full. There are too many pseudo registers (external dummy sections) in the loaded files. This is a system restriction.

System Action: RC = 104
Execution of the command is terminated. The system status remains the same.

User Action: Correct the Assembler program and try again.

169S ESDID TABLE OVERFLOW

Explanation: An external symbol dictionary identification table overflow has occurred. The maximum number of external names per text deck (START or first CSECT to end card) is 255. This is a system restriction.

System Action: RC = 104
Loading stops. The system status remains the same.

User Action: Divide your program into smaller units and try again.

170S DISK 'mode (cuu)' HAS MAXIMUM NUMBER OF
FILES

    Explanation: 3400 files have been written.
If any additional files were written, the
disk area that contains the file status
table blocks would overflow.

    System Action: RC = 10
The file is not written. The system status
remains the same.

    User Action: Erase some files from the
disk.

171T PERMANENT CONSOLE ERROR. RE-IPL CMS.

    Explanation: Either the terminal is not
operational (for example, Start I/O trouble
has occurred) or the status of the terminal
is unexpected (for example, channel errors,
or bad interrupt sequence).

    System Action: The system is terminated by
loading a disabled wait state PSW. The
wait state PSW contains the CMS nucleus
address where the error occurred.

    User Action: IPL CMS again.

172E TO LABEL 'label' {EQUALS|IS AN INITIAL
SUBSTRING OF} FRLABEL 'label'

    Explanation: The TOLABEL and FRLABEL
options were specified. Either both labels
were equal, or the TOLABEL was an initial
substring of the FRLABEL label (as "ABC" is
an initial substring of "ABCD"). This is
an error condition because it implies that
no records whatsoever are to be copied to
the output file.

    System Action: RC = 24
Execution of the command is terminated. The
system status remains the same.

    User Action: Correct and reissue the
command.

173E NO RECORDS WERE COPIED TO OUTPUT FILE 'fn
ft fm'

    Explanation: The options specified for the
input files caused no records to be copied.
This will happen, for example, if the
FRLABEL label appears in the first record
of each (or the only) input file being
copied to the output file.

    System Action: RC = 40
Execution of the command is terminated. The
system status remains the same, with the
following exceptions:

    • If the APPEND option was specified and
the copying process began before the
error was discovered, records have been
appended to the output file.

    • If the NEWFILE (the default), REPLACE,
or OVLY option was specified and the
copying process began before the error
was discovered, then COPYFILE CMSUT1, on
the output disk, contains the records
copied so far.

    • If in multiple output file mode, several
output files may have been created
before the error was discovered.

    User Action: Correct and reissue the
command.

174W SEQUENCE ERROR INTRODUCED IN OUTPUT FILE:
'........' TO '........'

    Explanation: The updating procedure caused
a sequence error to be introduced into the
output file. That is, in the output file
there were two records (with the sequence
numbers shown in the warning message) such
that the sequence number in the first
record was equal to or exceeded the
sequence number in the second.

    System Action: RC = 8
The invalid sequence numbers are left in
the records, which are written to the
output file. Update processing continues,
and, if the CTL option was specified,
additional update passes are made.

    If several warning messages are generated
during the updating process, the final
return code passed by the UPDATE command
will be the highest return code (4, 8, or
12) associated with the warning messages.
The REP option, if it was specified, will
be ignored, and the final update deck will
have the fileid "$fname ftype".

    See the explanation of message DMSUPD177I
for further information on the meanings of
the UPDATE warning return codes.

    User Action: Probably, the resequencing
field following the "$" in the last update
control card contained invalid data.
Correct the invalid control card in the
update file, and reissue the UPDATE
command.

176W SEQUENCING OVERFLOW FOLLOWING SEQ NUMBER
'........'

    Explanation: When the resequencing
increment was added to the sequence number
shown, the result overflowed the maximum
sequence number. If the SEQ8 option is in
effect, the maximum sequence number is
99999999. If the NOSEQ8 option is in
effect, however, the maximum sequence
number is 99999.

    System Action: RC = 8
The new sequence number is truncated on the
left to 8 or 5 digits (depending on the
status of the SEQ8 option). A sequencing
error is introduced into the output file.

Update processing continues, and, if the CTL option was specified, additional update passes are made. If several warning messages are generated during the updating process, the final return code passed by the UPDATE command is the highest of the return codes (4 or 8 or 12) associated with the warning messages.

The REP option, if it was specified, is ignored, and the final update deck has the fileid "$fname ftype".

See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Probably, the resequencing field following "$" in the last update control card contained invalid data. Correct the invalid control card in the update file, and reissue the UPDATE command.

177I WARNING MESSAGES ISSUED (SEVERITY = nn). {'REP' OPTION IGNORED.}

Explanation: Warning messages were issued during the updating process. The severity shown in the error message in the "nn" field is the highest of the return codes associated with the warning messages that were generated during the updating process. The warning return codes have the following meanings:

Code Meaning
4   Sequence errors were detected in the original source file being updated.

8   Sequence errors that did not formerly exist in the original source file being updated were introduced in the output file during the updating process.

12   Any other nonfatal error detected during the updating process has a return code of 12. Such errors include invalid update file control cards and missing PTF files.

System Action: The severity value is passed back as the return code from the UPDATE command. In addition, if the REP option was specified in the command line, it is ignored, and the updated source file has the fileid "$fname ftype", as if the REP option had not been specified.

User Action: Refer to the warning messages that were issued and correct the errors.

178I UPDATING {'fn ft fm'} WITH 'fn ft fm'

Explanation: The specified update file is being applied to the source file. This message appears only if the CTL option has been specified in the command line.

System Action: The updating process continues.

User Action: None.

179E MISSING OR DUPLICATE 'MACS' CARD IN CONTROL FILE 'fn ft fm'

Explanation: The CTL option was specified, but the control file did not contain exactly one 'MACS' control card.

System Action: RC = 32
Execution of the command is terminated. The system status remains the same, with the following possible exceptions:

• If a file with the fileid "$fname ftype" existed on the output disk before the command was entered, this file may have been erased.

• If the DISK option was in effect, and if a file with the fileid "fname UPDLOG" existed on the output disk before the command was entered, this file may have been erased.

• If the CTL option was in effect, and if a file with the fileid "fname UPDATES" existed on the output disk before the command was entered, this file may have been erased.

• If update processing had begun before the error was detected, any or all of the following files may have been created on the output disk by the UPDATE command:

  UPDATE CMSUT1
  $fname ftype
  fname UPDLOG - if the DISK option was in effect
  fname UPDATES - if the CTL option was in effect

User Action: Correct the invalid control file and reissue the UPDATE command.

179I COMPARING 'fn ft fm' WITH 'fn ft fm'

Explanation: The specified files are being compared.

System Action: Processing continues.

User Action: None.

180W MISSING PTF FILE 'fn ft fm'

Explanation: An AUX file indicated that the specified PTF file was to be applied as an update file, but the file could not be found. Either the AUX file contains invalid data, or a PTF file is missing.

System Action: RC = 12
Application of the PTF file is skipped. Update processing continues, and, if the CTL option was specified, additional update passes are made.

If several warning messages are generated during the updating process, the final return code passed by the UPDATE command is the highest of all return codes (4 or 8 or 12) associated with the warning messages.

The REP option, if it was specified, is ignored, and the final update deck has the fileid "$fname ftype".

See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Correct the invalid data in the AUX file, or use the ACCESS command to access the disk containing the missing PTF file.

181E NO UPDATE FILES WERE FOUND

Explanation: The CTL option was specified, but none of the update and PTF files specified by the control file and the AUX file(s) were found. As a result, no updates at all were applied to the original source file.

System Action: RC = 40
Execution of the command is terminated, since no updating can be performed. If the STK option was specified, the two lines of stacked data were placed on the stack before this error, so that they will still be available to an EXEC that invoked the UPDATE command.

This situation may or may not be an error situation. The return code, 40, is unique in that no other UPDATE error message has that value as a return code. Thus, the same EXEC can be used to assemble source files that have updates against them, and those that have no updates against them. The latter situation can be detected by testing for a return code of 40, and by assembling the "fname" file rather than the "$fname" file.

User Action: If this is not an error condition, no action need be taken. If this is an error condition, it is the result of either missing update or PTF files, or invalid data in the control file. Either correct the invalid data or recover the missing files, and reissue the command.

182W SEQUENCE INCREMENT IS ZERO

Explanation: A sequence increment of zero was specified either in a "./ S" control card, or in the "$" field of a "./ I" or "./ R" control card.

System Action: RC = 8
Although the warning message is issued, the sequence increment of zero is actually used, in case that was what the user wanted. Update processing continues, and, if the CTL option was specified, additional update passes are made.

If several warning messages are generated during the updating process, the final return code issued by the UPDATE command is the maximum of all return codes (4 or 8 or 12) associated with the generated warning messages.

The REP option, if it was specified, is ignored, and the final update deck has the fileid "$fname ftype".

See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Unless you intentionally specified a sequence increment of zero, correct the invalid update control card and reissue the UPDATE command.

183E INVALID {CONTROL|AUX} FILE CONTROL CARD

Explanation: An invalid control card was found in an AUX file or a control file.

System Action: RC = 32
Execution of the command is terminated. The system status remains the same, with the following possible exceptions:

- If a file with the fileid "$fname ftype" existed on the output disk before the command was entered, this file may have been erased.

- If the DISK option was in effect, and if a file with the fileid "fname UPDLOG" existed on the output disk before the command was entered, this file may have been erased.

- If the CTL option was in effect, and if a file with the fileid "fname UPDATES" existed on the output disk before the command was entered, this file may have been erased.

- If update processing had begun before the error was detected, then any or all of the following files may have been created on the output disk:

    UPDATE CMSUT1
    $fname ftype
    fname UPDLOG - if the DISK option was
                    in effect.
    fname UPDATES - if the CTL option was in
                    effect.

User Action: Correct the invalid control card and reissue the UPDATE command.

184W './ S' NOT FIRST CARD IN UPDATE FILE -- IGNORED

> **Explanation**: A "./ S" control card was encountered in the update file, but it was not the first noncomment card in the update control file.

> **System Action**: RC = 12
> The invalid card is ignored. Update processing continues, and, if the CTL option was specified, additional update passes are made. If several warning messages are generated during the updating process, the final return code issued by the UPDATE command is the maximum of all return codes (4 or 8 or 12) associated with the generated warning messages. The REP option, if it was specified, is ignored, and the final update deck has the fileid "$fname ftype". See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

> **User Action**: Correct the update file by moving the "./ S" control card to the beginning of the update file. Then reissue the UPDATE command.

185W INVALID CHAR IN SEQUENCE FIELD '........'

> **Explanation**: An update file control card specified a sequence number that contained an invalid character. Only the digits 0 through 9 may be used to specify a sequence number.

> **System Action**: RC = 12
> The invalid update control card is ignored. Furthermore, any cards following it, up to the next "./" card in the update file, will be ignored. Update processing continues, and, if the CTL option was specified, additional update passes are made.

> If several warning messages are generated during the updating process, the final return code issued by the UPDATE command is the maximum of all return codes (4 or 8 or 12) associated with the generated warning messages.

> The REP option, if it was specified, is ignored, and the final update deck has the fileid "$fname ftype".

> See the explanation of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

> **User Action**: Correct the invalid control card in the update file, and reenter the UPDATE command.

186W SEQUENCE NUMBER '........' NOT FOUND

> **Explanation**: A sequence number specified by an update file control card could not be found in the input file. An input sequence number higher than the one specified was found.

> **System Action**: RC = 12
> The input file is positioned at the record whose sequence number exceeds the sequence number being searched for.

> - If the invalid sequence field was the first argument of a "./ R", "./ I", or "./ D" operation, all records encountered up to that point were copied to the output file.
> - If the invalid sequence field was the second argument of a "./ R" or "./ D" operation, records encountered up to that point were not copied, and so were, in effect, deleted.

> In any event, no further deleting or inserting takes place for that control card, and any cards following this card, up to the next "./" card in the update control file, are ignored. Update processing continues, and, if the CTL option was specified, additional update passes are made.
> - If several warning messages are generated during the updating process, the final return code issued by the UPDATE command is the maximum of all return codes (4 or 8 or 12) associated with the generated warning messages.

> The REP option, if it was specified, is ignored, and the final update deck has the fileid "$fname ftype".

> See the "Explanation" of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

> **User Action**: Correct the invalid control card in the update file, and reenter the UPDATE command.

187E OPTION 'STK' INVALID WITHOUT 'CTL'

> **Explanation**: The STK option was specified with the UPDATE command. This option requires the CTL option, but CTL was not specified in the command line.

> **System Action**: RC = 24
> Execution of the command is terminated. The system status remains the same.

> **User Action**: Reissue the command, specifying the CTL option.

190W INVALID CONTROL RECORD OR NO GO SWITCH SET

> **Explanation**: Either the input control record was invalid or the NO GO switch was previously set. If the NO GO switch was not previously set, the input control record is invalid, and this causes the NO GO switch to be set at this time.

> **System Action**: RC = 4
> Execution of the command continues. All REP control records are ignored until the next NAME or END control record is encountered.

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User Action: Determine the cause of the
error and correct it; then reissue the
command.

191W PATCH OVERLAPS - SET NO GO SWITCH

Explanation: The VER or REP displacement,
or the DUMP start or end address, did not
fit completely within the CSECT or MODULE.

System Action: RC = 4
Execution of the command continues. All
REP control records are ignored until the
next NAME or END control record is
encountered.

User Action: Correct the displacement field
or the start or end address of the control
record and reissue the command.

192W ERROR - ODD NUMBER OF DIGITS - SET NO GO
SWITCH.

Explanation: Either an address or a data
field of a control record had an odd number
of digits.

System Action: RC = 4
Execution of the command continues. All
REP control records are ignored until the
next NAME or END control record is
encountered.

User Action: Enter an even number of digits
and reissue the command.

193W PRECEDING CONTROL RECORD FLUSHED

Explanation: The NO GO switch was set by a
previous control record and has not been
reset.

System Action: RC = 4
Execution of the command continues.

User Action: A previous error message was
issued. Check the "User Action" for that
message.

194S BOOK 'subl.book' CONTAINS BAD RECORDS

Explanation: The book being copied contains
invalid source statement library records.

System Action: RC = 100
Execution of the command is terminated. The
system status remains the same.

User Action: Recatalog the book on the
system or private source statement library
and reissue the command.

194W CSECT NOT FOUND IN {MEMBER
'membername'|MODULE 'modulename'} - SET NO
GO SWITCH

Explanation: The specified CSECT was not
found in a library member or a module
loader table.

System Action: RC = 4
Execution of the command continues. All
control records are ignored until the next
NAME or END control record is encountered.

User Action: The control record with the
invalid CSECT name has been printed at the
printer or displayed at your terminal.
Check the member or module for the proper
CSECT name and reissue the command.

195W BASE VALUE INVALID - SET NO GO SWITCH

Explanation: The BASE address did not match
the CSECT address.

System Action: RC = 4
Execution of the command continues. All
REP control records are ignored until the
next NAME or END control record is
encountered.

User Action: Insert the proper address in
the BASE control record and reissue the
command.

200W VERIFY REJECT - SET NO GO SWITCH

Explanation: For DMSZAP, the data on the
VER or VERIFY control record is not exactly
the same as the data at the specified
location in the specified file.

System Action: RC = 4
Execution of the command continues. All
REP control records are ignored until the
next NAME or END control record is
encountered.

User Action: Determine the proper control
information and correct the VER control
record. Delete from the input stream any
other VER-REP pairs that were processed
successfully, and then reissue the command.

201W THE FOLLOWING NAMES ARE UNDEFINED:

Explanation: A list of names of unresolved
external references is displayed. A name
entered with the command is considered an
unresolved external reference if no text
file with that name can be located.

System Action: RC = 4
Loading is completed.

User Action: None; or obtain access to the
files containing the unresolved references
and issue the INCLUDE command.

202W DUPLICATE IDENTIFIER 'identifier'

Explanation: A CSECT or entry point name
was encountered more than once in the input
stream to the loader.

System Action: RC = 4
Only the first CSECT is loaded. Program
execution may not proceed as expected. All
references are resolved to the first name.

User Action: Reassemble the program with a different identifier substituted for the duplicate.

203W "SET LOCATION COUNTER" NAME 'name' UNDEFINED

Explanation: A name was specified on an SLC card in the loader input stream and that name had not yet occurred as an external name in the loader text file.

System Action: RC = 4
The card is ignored.

User Action: None; or check the name on the SLC card.

205W READER EMPTY OR NOT READY

Explanation: Either the card reader contains no files, or it has not been readied.

The card reader may contain a file spooled from a virtual punch or printer that contains CCWs only, and no data. Thus, this message is issued even though the file contains no data.

System Action: RC = 8
Execution of the command is terminated. The system status remains the same.

User Action: Close the card reader and reissue the command, if the reader contains any files.

206W PSEUDO REGISTER ALIGNMENT ERROR

Explanation: A pseudo register with the same name as a previous pseudo register but with more restrictive alignment was encountered.

System Action: RC = 4
Processing continues. All references to the particular pseudo register will have the less restrictive alignment.

User Action: None.

207W INVALID UPDATE FILE CONTROL CARD

Explanation: An invalid control card was found in the update file. Some of the errors that cause this message to be issued are:

• The first card in the update file was not a control card.

• The first card following a "./S" or a "./D" or a "./*" was not a control card.

• The operation field was missing, invalid, or contained more than one character.

• The label field of a "./S" card contained more than three characters.

• An invalid sequence field was specified, or a required sequence field was missing.

• In a "./D" or "./R", the delete or replace ending specification was smaller than the starting specification.

System Action: RC = 12
The invalid sequence fields are ignored, and processing continues. However, an incorrectly sequenced source file cannot always be properly updated.

Update processing continues, and, if the CTL option was specified, then additional update passes are made. If several warning messages are generated during the updating process, the final return code when the UPDATE command has completed all processing is the maximum of all return codes (4 or 8 or 12) associated with the generated warning messages. The REP option, if it was specified, is ignored, and the final update deck has the fileid "$fname ftype". See the "Explanation" of message DMSUPD177I for further information on the meanings of the UPDATE warning return codes.

User Action: Correct the invalid control card in the update file, and reenter the UPDATE command.

208E FILE 'fn ft' IS NOT VARIABLE RECORD FORMAT

Explanation: The specified file did not have a variable record format.

System Action: RC=24
Execution of the command is terminated. The system status remains the same.

User Action: Verify that 'fn ft' is the desired file. If it is, use the COPYFILE command to change the record format of the file.

209W FILES DO NOT COMPARE

Explanation: The two files the user requested compared on a line-for-line, column-for-column basis, do not match.

System Action: RC = 4
The comparison of the files is completed. The lines that do not match are displayed at the terminal.

User Action: You can correct the file containing the incorrect lines using the EDIT command.

210E {LIBRARY|FILE} 'fn ft' IS ON A READ/ONLY DISK.

Explanation: The specified file or library is on a read-only disk and must be on a read/write disk.

System Action: RC = 36
Execution of the command is terminated.
The system status remains the same.

User Action: Verify that the correct file
or library was specified in the command.
If it was, either access the disk in
read/write mode, or erase the existing file
or library with the same name. Reissue the
command.

210W INPUT FILE SEQUENCE ERROR: '........' TO
'........'

Explanation: In reading the input source
file, two records were found, with the
displayed sequence fields, such that the
sequence number in the first was equal to
or greater than the sequence number in the
second.

System Action: RC = 4
The invalid sequence fields are ignored,
and update processing continues. However,
an incorrectly sequenced source file cannot
always be properly updated.

If the CTL option was specified, then
additional update passes are made. If
several warning messages are generated
during the updating process, the final
return code when the UPDATE command has
completed all processing is the maximum of
all return codes (4 or 8 or 12) associated
with the generated warning messages.

The REP option, if it was specified, is
ignored, and the final update deck has the
fileid "$fname ftype".

See the "Explanation" of message DMSUPD177I
for further information on the meanings of
the UPDATE warning return codes.

User Action: Correct the invalid source
file and reissue the UPDATE command.

211E COLUMN FIELDS OUT OF SEQUENCE

Explanation: One of the following
conditions has occurred.

* Start column number exceeds end column
  number.

* Column number entry overflows the
  eight-position option field.

System Action: RC = 24
Execution of the command is terminated.
The system status remains the same.

User Action: Correct and reissue the
command.

212E MAXIMUM NUMBER OF RECORDS EXCEEDED

Explanation: The storage size of the
virtual machine is not large enough to
contain the size and number of sort files
specified.

System Action: RC = 40
Execution of the command is terminated. The
system status remains the same.

User Action: Compute the storage size
required for this sort using the format
given in the description of the CMS SORT
command in the VM/370 CMS Command and Macro
Reference. Redefine storage as large as
necessary using the CP DEFINE command, and
issue the SORT command again.

213W LIBRARY 'fn ft fm' NOT CREATED

Explanation: None of the files to be
included in the library file could be
found, or a library to be compressed
appears to have no active members.

System Action: RC = 4
Execution of the command is terminated. The
system status remains the same. The new
library is not created. Also, for DMSDSC,
the old library is erased.

User Action: For DMSLBM and DMSLBT, obtain
access to the desired file and/or correct
the spelling of the names and reissue the
command. For DMSDSL, no action is
necessary.

214W CANNOT RECOMPUTE WITHOUT LOSS OF DATA. NO
CHANGE

Explanation: The number of cylinders
specified in the FORMAT command cannot
contain all the data on the disk.

System Action: RC = 8
Execution of the command is terminated. The
system status remains the same.

User Action: Either erase some of the files
on the disk or increase the number of
cylinders to be formatted and reissue the
command.

215T NO VIRTUAL CONSOLE ATTACHED. RE-IPL CMS

Explanation: The user has disconnected his
virtual console.

System Action: The CMS system uses a
special interface with CP to display this
message. It is then terminated by loading a
disabled wait state PSW.

User Action: Redefine a virtual console
with the CP DEFINE command, and IPL CMS
again.

- - - (Basic System Extensions) - - -

216E INSUFFICIENT BLOCKS ON DISK TO SUPPORT CMS DISK STRUCTURE

Explanation: The user has requested the formatting of a minidisk area that is not large enough to contain the essential CMS disk structure.

System Action: RC = 100
Execution of the command is terminated. The disk is unchanged.

User Action: Acquire a larger minidisk and reissue the command; or if the disk is large enough, specify a larger number of blocks to be formatted in the FORMAT command.

- - - - - - - - - - - - - - - - - - -

220R ENTER DATA SET NAME:

Explanation: A command was entered with the ? or DSN ? operand. The command expects an OS data set name or DOS fileid to be entered.

System Action: The system waits for a response.

User Action: Enter an OS data set name exactly as it appears in the data set (in the form q1{.q2.qn} where q1, q2, and qn are the qualifiers of an OS data set name). Or enter a DOS fileid exactly as it appears in the file.

221E INVALID DATA SET NAME

Explanation: An invalid OS data set name or DOS file-id was specified in the command line.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command with a valid data set name.

222E I/O ERROR READING 'datasetname' FROM {'fm'|OS|DOS} DISK

Explanation: An I/O error occurred while reading the specified OS data set or DOS file from an OS or DOS disk. For DMSLDS, an I/O error occurred while reading the member directory in DMSROS.

System Action: RC = 28
Execution of the command is terminated. The system status remains the same.

User Action: Correct the cause of the I/O error and reissue the command.

223E NO FILEMODE SPECIFIED

Explanation: A filemode was not specified in the command line.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command, specifying a filemode.

224E fileid ALREADY IN USE

Explanation: A dataset name exists in an outstanding FILEDEF with a different ddname but with the same fileid, or a dataset name was specified for a fileid previously defined under a different ddname.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Clear the existing fileid before reissuing the command or specify a different fileid.

225I PDS MEMBER 'membername' MOVED

Explanation: The specified member of an OS PDS (partitioned data set) has been moved successfully to a CMS file.

System Action: MOVEFILE continues moving PDS members to CMS files until the end of the file is reached.

User Action: None.

226E NO DATA SET NAME ALLOWED WITH FREE OPTION

Explanation: A data set name must not be specified with the FREE option of the LISTDS command.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Correct the command line and retry.

226I END OF PDS MOVE

Explanation: The last member of the PDS (partitioned data set) has been moved successfully to a CMS file.

System Action: Execution of the command is terminated. The system status remains the same.

User Action: None.

227I PROCESSING VOLUME 'nn' IN DATA SET 'data set name'

Explanation: The specified OS data set or DOS file is multivolume. The number of the volume being processed is specified in the error message. End of volume is treated as end of file and there is no end-of-volume switching.

System Action: Execution continues.

User Action: None.

227W INVALID EXTENT FOUND FOR 'datasetname' ON 'fm' DISK

Explanation: The high extent for the subject data set indicates a relative track number lower than that for the low extent of the data set.

System Action: RC = 4
Execution continues.

User Action: For further investigation, use the CMS command DDR to locate and dump the DSCB containing the invalid extent.

228E NO DDNAME ENTERED

Explanation: When prompted for the ddname corresponding to the "dname" entry for the tape dataset in the Access Method Services control statement, the user entered a null line.

System Action: RC = 24
AMSERV does not execute the Access Method Services job. The system status remains the same.

User Action: Find the "dname" entries for the tape dataset(s) in the Access Method Services jobstream and reissue the AMSERV command.

228I USER LABELS BYPASSED ON DATA SET 'data set name'

Explanation: The specified OS data set or DOS file has a disk user label. The user labels are automatically skipped and the DCBEXLST routine, if specified, is ignored. This message is issued when the OS File Status Table (FST) is created. This occurs during the execution of the first FILEDEF command defining the OS ddname. Reissuing the same FILEDEF command without reaccessing the disk does not create a new OS FST, and the message is therefore not issued again.

System Action: Execution continues.

229E UNSUPPORTED OS DATA SET, ERROR 'code'

Explanation: The specified OS data set or DOS file is not supported by CMS OS access routines. The error code meanings are:

Code Meaning
80   An I/O error occurred while an OS data set or DOS file was being read or an OS or DOS disk was detached without being released.

81   The file is an OS read-password-protected data set or a DOS file with the input security indicator on.

82   The OS data set or DOS file is not BPAM, BSAM, or QSAM.

83   The OS data set or DOS file has more than 16 user labels or data extents.

System Action: RC = 80, 81, 82, or 83
Execution of the command is terminated. The system status remains the same.

User Action: If the error code is 81, 82, or 83, you cannot use CMS OS access to read the OS data set or DOS file. If the error code is 80, make sure the accessed OS or DOS disk is attached, or determine the cause of the error. If the OS data set or DOS file is valid, reissue the command.

229I NO MEMBERS FOUND

Explanation: No members exist in a partitioned data set.

System Action: None.

User Action: Determine whether the data set you specified is the correct one and if so, why it contains no members. Correct the condition and reissue the command.

230E NO. OF VSAM EXIT ROUTINES HAS EXCEEDED MAX OF 128 - UNABLE TO CONTINUE

Explanation: The number of exit routines for VSAM data sets (both active and inactive) has exceeded the maximum of 128 for the run unit.

System Action: The system is terminated abnormally with abend code X'177'.

User Action: Reduce the number of exit routines for VSAM data sets and reexecute the program.

230W OS DISK - FILEID AND/OR OPTIONS SPECIFIED ARE IGNORED

Explanation: The specified OS or DOS disk has been accessed, but the specified fileid and/or options are not valid and have been ignored.

System Action: RC = 4
Execution of the command continues.

User Action: None.

231E I/O ERROR READING VTOC FROM {'fm'|OS|DOS} DISK

Explanation: An I/O error was encountered while reading the VTOC from the specified disk.

System Action: RC = 28
Execution of the command is terminated. The system status remains the same.

User Action: Correct the cause of the I/O error and reenter the command.

233I NO FREE SPACE AVAILABLE ON 'fm' DISK

Explanation: All tracks on the specified disk are allocated.

System Action: None.

User Action: If the disk is an OS or DOS disk, use one of the OS or DOS utilities to reformat the disk (if you no longer need any of the data on it) or delete some data sets. If it is a VSAM disk, use Access Method Services to delete some clusters and data spaces.

240S ERROR LOADING READ OS ROUTINE 'DMSROS TEXT'

Explanation: Either the user did not provide a read/write A-disk for use by the CMS loader, or some other error was encountered while loading the READ OS routine DMSROS TEXT.

System Action: Execution of the command is terminated. The system status remains the same.

User Action: Access a read/write A-disk if one is not already accessed. If a read/write A-disk was provided, correct the cause of the I/O error on the system disk or A-disk. Then reissue the command.

245S ERROR 'nnn' ON PRINTER

Explanation: An unrecoverable error occurred when writing a line to the printer, and an error code was passed to the calling module from DMSPIO. nnn indicates the nature of the error; it may be one of the following:

Code Meaning
4 An intervention is required.
5 An unknown error occurred.
100 The printer is not attached.

System Action: RC = 100
Execution of the command is terminated. The output files contain all changes made up to the last control record operation.

User Action: If you can determine the problem from the above information and correct the condition, reissue the command; otherwise reissue the command and if the error persists, contact your system support personnel.

246W NO LOADER TABLE PRESENT FOR MODULE 'fn' - SET NO GO SWITCH

Explanation: A CSECT name was specified for a module that was generated with the NOMAP option.

System Action: RC = 4
Execution of the command continues. All REP control records are ignored until the next NAME or END control record is encountered.

User Action: Either regenerate the module with the MAP option, or do not use a CSECT name; then reissue the command.

247W MEMBER 'name' NOT FOUND - SET NO GO SWITCH

Explanation: The specified member was not found.

System Action: RC = 4
Execution of the command continues. All control records are ignored until the next NAME or END control record is encountered.

User Action: Reissue the command with a valid member name.

248W INVALID VER/REP DISP - SET NO GO SWITCH

Explanation: The displacement specified in a VER or REP control record includes an area that is undefined, for example, a Define Storage (DS) area.

System Action: RC = 4
Execution of the command continues. All REP control records are ignored until the next NAME or END control record is encountered. If the operation is REP, the file being operated on may be modified.

User Action: Verify that instructions or data are at a specific displacement and reissue the command.

- - - (Basic System Extensions) - - -

250S I/O ERROR OR DEVICE ERROR

Explanation: AN I/O error has occurred on the user terminal trying to display a HELP text file. An error message should have been issued by CMS or CP to describe the condition.

System Action: RC = 100
Execution of the command is terminated. The system remains in the same status as before the command was entered.

User Action: Take appropriate action as described by the CMS or CP error message.

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DMS

251E   HELP   PROCESSING   ERROR,   CODE   nnn   -
'description'

Explanation: An error occurred during the
formatting of a HELP text file, indicating
an error in the file text.

Code   Meaning
801   An   output   line   longer   than   132
characters was formatted. Long output
lines usually result when you neglect
to set the format mode back on after
it is set off.

802   An alphabetic paramater was found for
a HELP format word that requires a
numeric parameter.

803   A line was read that started   with a
period, but could not be recognized
as a valid HELP format word.

804   You omitted a required parameter for
this format word.

805   HELP does not recognize the parameter
specified on the format word line
displayed.

806   The execution of a .IN,.IL, or .OF
HELP format word would cause the left
margin to move to the left of
character position one.

807   HELP has calculated a negative space
count based on the format words
containd in the test file.

808   A number outside the permissible
limits for a HELP format word was
found. The limits are based
primarily on 80 characters/ line in
HELP.

System Action: RC = 12
Execution of the command continues and the
line in question is ignored.

User Action: None at execution time,
however you should correct the file in
question to prevent future messages or
errors.

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- - - (Basic System Extensions) - - -

252E   VALID OPTIONS ARE: DESC FORM PARM ALL

Explanation: This message informs the user
of the proper options to use the HELP
facility. The message is issued with
message   DMSHLP003E   (INVALID   OPTION
'option').

System Action: RC = 24
None.

- - - - - - - - - - - - - - - - - - -

- - - (Basic System Extensions) - - -

User Action: Issue the command again with a
proper option.

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- - - (Basic System Extensions) - - -

253E   FILE fn ft fm CANNOT BE HANDLED WITH
SUPPLIED PARAMETER LIST

Explanation: The specified file resides on
a disk that can be handled with a STATE
extended parameter list only. That means
the specified file contains more than 65536
items.

System Action: RC = 88
Execution   of   the   user   program   is
terminated.

User   Action: Change   the   user   program
parameter   list   to   the
entended-parameter-list format.

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299E   INSUFFICIENT STORAGE TO COMPLETE UPDATE.

Explanation: The update is being performed
in storage but there is insufficient
storage to insert the next update line.

System Action: RC = 41
Execution of the command is terminated. The
system status remains the same.

User Action: Issue the command again,
specifying NOSTOR on the command line. This
causes updates to be performed on disk.

300E   INSUFFICIENT STORAGE TO BEGIN UPDATE

Explanation: An update is being performed
in storage, but there is insufficient
storage available to contain the entire
input source file.

System Action: RC = 41
If the keyword STOR was specified on the
command line, execution of the command
terminates. The system status remains the
same. If the keyword STOR was not
specified, the update continues and is
performed on disk. No RC = 41 is issued in
this case.

User Action: If RC = 41, issue the command
again, specifying NOSTOR in the command
line. This causes updates to be performed
on disk. Otherwise, no action is
necessary.

301E   'SYSxxx' NOT ASSIGNED FOR DISK 'fm'

Explanation: No ASSGN command was issued
prior to the DLBL command associating the
named DOS logical unit with a CMS disk.

System Action: RC = 36
Execution of the command is terminated.
The definition does not take effect.

User Action: Issue an ASSGN command for each of the DOS logical units specified in the DLBL, and then reissue the DLBL command.

302E NO SYSXXX OPERAND {ENTERED|SPECIFIED}

Explanation: No SYSxxx operand was entered to associate the specified disk mode with a DOS logical unit, or in the case of DTFCP, the DEVADDR operand was missing from the DTFCP macro and no SYSxxx was specified with the DLBL command. This message appears only if the user is in the CMS/DOS environment.

System Action: RC = 24
Execution of the command is terminated. The definition does not take effect.

User Action: Reenter the DLBL command specifying a DOS logical unit for each disk specified. In the case of DTFCP, specify a DEVADDR operand with the DTFCP macro and with the associated DLBL command.

303E NO SYSXXX SATISFIES REQUEST

Explanation: A request was made for LISTIO A or LISTIO UA, but no logical units satisfied the request.

System Action: RC = 28
Execution of the command is terminated. The system status remains the same, except when the EXEC option was specified and there was an existing $LISTIO EXEC file. In this case, the $LISTIO EXEC file is erased.

User Action: Ensure that the correct request has been made.

304E INVALID OPERAND VALUE 'value'

Explanation: The value specified is not valid for one of the following reasons:

• It is larger than ten digits.

• It is a nonnumeric value.

• The number is greater than $2^{31}-1$ for track numbers.

• The number is greater than 999999 for BUFSP size.

This message is also displayed if a null line is entered as the first specification for the EXTENT option of the DLBL command.

System Action: RC = 24
Execution of the command is terminated. The definition does not take effect.

User Action: Reissue the command, specifying the appropriate values for all entries.

304I UPDATE PROCESSING WILL BE DONE USING DISK

Explanation: An update is being performed in storage, and there is insufficient storage available to contain the entire input source file. The keyword STOR was not specified on the command line. The update processing continues with the update being performed on disk.

System Action: The updating process continues.

User Action: None.

305E INCOMPLETE EXTENT RANGE

Explanation: Only the starting relative track number was specified for an extent range. The number of tracks must also be specified.

System Action: RC = 24
Execution of the command is terminated. The definition does not take effect.

User Action: Reissue the command with the proper extent specifications including the number of tracks.

306E SYSxxx NOT ASSIGNED FOR 'IGNORE'

Explanation: When the DUMMY operand is used for a data set, the logical unit address must have been assigned with the IGN operand before the DLBL command was issued.

System Action: RC = 36
No new definition for the data set is created. If one already exists, it remains unchanged.

User Action: Either reissue the DLBL command using a valid disk mode, or issue "ASSGN SYSxxx IGN" followed by the original DLBL command using the DUMMY operand.

307E CATALOG DDNAME 'ddname' NOT FOUND

Explanation: The user catalog 'ddname' referenced by the CAT option has not been defined by a previous DLBL command.

System Action: RC = 24
Execution of the command is terminated. The definition does not take effect.

User Action: Reissue the command, specifying the CAT option with a previously defined ddname, or issue a DLBL command for the user catalog ddname and then reissue the DLBL command for the subject data set.

308E 'mode' DISK IN [NON-]CMS FORMAT; INVALID FOR [NON-]CMS DATASET

Explanation: The user has specified a CMS fileid ("CMS fn ft") but references a disk that is in non-CMS (for example, OS or DOS) format. Or the user has specified a non-CMS

fileid ("DSN datasetname") but references a CMS disk. The references to disk include not only the disk mode in the command line but also the mode in MULT and EXTENT specifications. This message is also issued if the user specifies CMS for file identification but uses one of the VSAM options (for example, CAT or BUFSP) with it.

System Action: RC = 24
The command is terminated with no change to the current definition of DLBL since the new definition does not take effect.

User Action: Reissue the command with a disk mode appropriate for the data set.

320I MAXIMUM NUMBER OF DISK ENTRIES RECORDED

Explanation: Nine disks have been specified for a multivolume VSAM data set. This is the maximum permitted since the allowable CMS disk modes are A-G, Y and Z. The system (S) disk cannot be a user disk.

System Action: Execution of the command is terminated and the data set definition is stored including the nine-volume specification.

User Action: None.

321I MAXIMUM NUMBER OF EXTENTS RECORDED

Explanation: Sixteen (16) extents have been specified for a VSAM data set. This is the maximum number of data set extents allowed.

System Action: Execution of the command is terminated successfully and the data set definition is stored, including the 16-extent specification.

User Action: None.

322I DDNAME 'ddname' NOT FOUND; NO CLEAR EXECUTED

Explanation: No previous definition for 'ddname' had been specified. This includes the condition of a DLBL IJSYSUC CLEAR with no previous job catalog ddname (IJSYSUC) defined.

System Action: Execution of the command is terminated. All definitions remain unchanged.

User Action: If the ddname was entered incorrectly, reenter the command with the correct ddname.

323I {JOB|MASTER} CATALOG DLBL CLEARED

Explanation: The DLBL for the catalog referred to has been cleared and is no longer active.

System Action: If the JOB catalog is cleared, all other definitions formerly flagged as using the JOB catalog are no longer flagged as such. The message can be the result of a DLBL * CLEAR rather than a DLBL IJSYSUC CLEAR or DLBL IJSYSCT CLEAR, when the PERM option is not used when defining the catalogs.

User Action: None.

324I NO USER DEFINED xxxxx's IN EFFECT

Explanation: No definition is in effect for the requested DLBLs, FILEDEFs, or LABELDEFs.

System Action: No further action occurs. The system is terminated.

User Action: None.

330R ENTER VOLUME SPECIFICATIONS:

Explanation: The system expects you to enter the VSAM data set volume specifications because you specified the MULT option.

System Action: Execution of the command waits until you respond to the specification request. If a null line is the first response, an error message (DMSDLB048E) is displayed and the DLBL command has no effect. Otherwise, a null response after one or more lines of data signifies the end of the specifications.

User Action: Enter data set volume specifications either on one line separated by commas or on separate lines. The final comma at the end of the line is optional and may be omitted. You must enter the filemode and, in the DOS environment, the DOS logical unit associated with that disk. Do not repeat the filemode specified in the command line.

331R ENTER EXTENT SPECIFICATIONS:

Explanation: The system expects you to enter the VSAM data set extents because you specified the EXTENT option with the DLBL command.

System Action: Execution of the command waits until you respond to the specification request. If a null line is the first response, an error message (DMSDLB304E) is displayed and the DLBL command has no effect. Otherwise, a null line means the end of the specifications.

User Action: Enter dataset extent specifications on the same line separated by commas or on separate lines with or without commas. You must enter the starting relative track number, number of tracks, filemode and, if in DOS environment, the DOS logical unit associated with that

filemode. The extents must be in ascending order for each volume grouping in order for the command to execute properly.

333E nnnnnK PARTITION TOO LARGE FOR THIS VIRTUAL MACHINE

Explanation: The specified number of bytes exceeds the size of the largest partition possible with this virtual machine.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same. The old DOS partition size remains unchanged.

User Action: Specify a smaller value. If the partition size is not an important factor in this particular session, issue SET DOSPART OFF and allow the system to compute its own partition size.

360E INVALID RESPONSE 'response'

Explanation: After prompting you for information, VSAMGEN determined that your reply was invalid, either because you did not enter one of the choices given you in the prompting message (INSTALL or UPDATE) or because you entered a value not valid for the entry being processed (that is, the storage location of the named system).

If the message is issued after the storage location value is entered, the value violates one of the following rules:

• Must be a valid hexadecimal value.
• Must be less than 16 megabytes.
• Must be greater than X'20000'.

System Action: RC = 24
If this is the first time this message is issued for this prompt, VSAMGEN reads from the terminal after issuing the message, thereby giving you another chance to enter the correct information. If it is issued for the second time for the same prompt, VSAMGEN terminates, and the system returns to the CMS command environment.

User Action: If it is the first time the message is issued, reexamine the prompting message and enter the correct information. If it is the second time the message is issued for this prompt, VSAMGEN has terminated, so you must restart the VSAMGEN EXEC.

360I CMS/VSAM TEXT FILES CREATED ON DISK 'A'

Explanation: During an INSTALL run for an OS user, VSAMGEN copies all the VSAM and Access Method Services object decks from the DOS system relocatable library onto the CMS disk as TEXT files. This message is issued at the completion of the operation.

System Action: None.

User Action: None.

360R ENTER 'INSTALL', 'UPDATE', OR 'RESTART'

Explanation: The VSAMGEN EXEC can be used for initial installation of VSAM under CMS, for updating of VSAM under CMS by using PTF card decks to replace originally distributed modules or to restart after ensuring that the DOSLIBs are available.

System Action: VSAMGEN issues a read to the terminal and waits for the user's response.

User Action: Reply INSTALL if you wish to generate both the VSAM under CMS and the Access Method Services systems using the DOS System Relocatable Library (SRL) as the source. For an OS installation, INSTALL also results in all VSAM and Access Method Services modules being copied to the CMS A-disk.

Reply UPDATE if you wish to generate a new version of either VSAM under CMS or Access Method Services, or both, by placing the replacement modules in the virtual reader. For the OS installation, the DOS System Relocatable Library is not used as source, but the CMS disk is used. Thus, no DOS disk need be accessed for the OS user.

Reply 'RESTART' if you wish to resume generating the system(s) after creating the appropriate DOSLIB(s).

361E DISK 'mode' IS NOT A {CMS|DOS} DISK

Explanation: VSAMGEN requires that the A-disk be a read/write CMS disk, and that the disk you specified as containing the DOS SRL be a DOS disk.

System Action: RC = 36
VSAMGEN has terminated. The system returns to CMS command mode.

User Action: If the message concerns the CMS A-disk, access a CMS disk in read/write mode as the A-disk and reissue VSAMGEN. If the message concerns the DOS disk, either access the DOS disk and use that mode letter to answer the prompt during the next VSAMGEN attempt, or enter the correct mode of the DOS disk containing the DOS SRL during the next VSAMGEN attempt.

361I CREATING CMS TEXT FILES...

Explanation: VSAMGEN is in the process of copying all the VSAM and Access Method Services object modules from the DOS system relocatable library to the CMS disk during an INSTALL run for an OS user.

System Action: None.

User Action: None.

361R ENTER EITHER 'DOS' or 'OS':

Explanation: The VSAMGEN EXEC distinguishes between DOS and OS installations at both installation time and updating time.

System Action: VSAMGEN issues a read to the terminal and waits for your response.

User Action: Reply DOS if you have a DOS installation and, therefore, do not want all VSAM and Access Method Services modules copied to a CMS disk during an INSTALL run, and you do want the DOS system relocatable library used as a source during an UPDATE run.

Reply OS if you are an OS installation and therefore do want all VSAM and Access Method Services modules copied to the CMS disk during an INSTALL run, and you want the CMS disk used as source during an UPDATE run rather than the DOS system relocatable library.

362E INVALID STORAGE PROTECT KEY 'key'

Explanation: The storage protect key specified was not decimal, 0 to 15.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command, specifying a valid storage protect key.

362I LINK-EDITING sysname...

Explanation: VSAMGEN is in the process of link-editing the modules that make up the named system in order to create a CMS DOSLIB file with the same name.

System Action: None.

User Action: None.

362R ENTER MODE OF DOS SYSTEM RELOCATABLE LIBRARY DISK:

Explanation: The VSAMGEN EXEC procedure requires a DOS disk containing the DOS system relocatable library for both DOS and OS users during an INSTALL run and for the DOS user during an UPDATE run.

System Action: VSAMGEN issues a read to the terminal and waits for your response.

User Action: Enter the mode letter of the accessed disk containing the DOS system relocatable library. The disk must be in DOS format.

363E INVALID STARTING ADDRESS 'startadr'

Explanation: The start address specified in the command line is not a hexadecimal address within the load range of the specified system.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Reissue the command with a valid starting address.

363I sysname DOSLIB CREATED ON DISK 'A'

Explanation: VSAMGEN creates a CMS DOSLIB file from the object modules that make up the named system.

System Action: None.

User Action: None.

363R ENTER LOCATION WHERE sysname WILL BE LOADED AND SAVED:

Explanation: VSAMGEN requires a hexadecimal address for fetching the VSAM and/or Access Method Services systems into storage so that the systems can be saved on a CP volume.

System Action: VSAMGEN issues a read to the terminal and waits for your response.

User Action: Enter the hexadecimal address corresponding to the starting relative page number in the SYSPGNUM field of the NAMESYS macro entered in the DMKSNT module for the named system.

364E VM STORAGE NOT LARGE ENOUGH TO CONTAIN SYSTEM LOADING AT startadr TO endadr

Explanation: The virtual machine's storage must be large enough to allow SSK instructions to be issued for the complete load range of the saved system.

System Action: RC = 24
Execution of the command is terminated. The system status remains the same.

User Action: Use the CP command DEFINE to redefine the virtual machine's storage to a value large enough to contain the saved system, and IPL CMS again.

364I FETCHING sysname...

Explanation: VSAMGEN is in the process of fetching the phases that make up the named system from the CMS DOSLIB file of the same name. The phases are fetched into storage in order to be saved (written) on a CP volume.

System Action: None.

User Action: None.

364R ENTER 'CMSVSAM' OR 'CMSAMS' OR 'BOTH' FOR
GENERATION OF NEW SYSTEM(S)

Explanation: The message gives you the
choice of regenerating either one or both
of the named systems.

System Action: VSAMGEN issues a read to the
terminal and waits for your response.

User Action: Enter a valid response.

365E SYSTEM NAME NOT SPECIFIED

Explanation: The system name was not
included in the command line.

System Action: RC = 24
Execution of the command is terminated. The
system status remains the same.

User Action: Reissue the command with a
valid system name.

365I SYSTEM sysname SAVED

Explanation: VSAMGEN saves the named system
on a CP volume for subsequent use by user
programs. The DOSLIB file used in creating
the new copy of the system is erased at
this point.

System Action: None.

User Action: None.

365R ENTER MODULE NAME (8 CHARS. OR LESS) OR
'END':

Explanation: VSAMGEN will assign the name
entered by the user to the PTF object file
when it reads the file from the virtual
reader onto the CMS disk as a TEXT
filetype. The file remains on the CMS disk
to be used in subsequent system generations
until replaced by another object file of
the same name.

System Action: VSAMGEN issues a read to the
terminal and waits for your response.

User Action: Enter the name(s) of the VSAM
or Access Method Services module(s) in the
same order the deck(s) were placed in the
reader. To terminate reading from the
reader, enter END.

366E NO CMS/DOS SUPPORT FOR NATIVE 3350 DISK

Explanation: DOS/VS does not support the
3350 device type. CMS/DOS does not support
I/O requests to the 3350 which would
normally occur after the assignment of a
logical unit. CMS/DOS supports the 3340 in
compatibility mode only.

System Action: RC = 36
Execution of the command is terminated. The
system status remains the same.

User Action: If the logical unit represents
an input file, move the file to a supported
device and reissue the ASSGN command. If
the logical unit is associated with an
output file, choose another output device
and reissue the command.

366I STARTING TO READ PTF DECKS FROM READER...

Explanation: VSAMGEN is starting the
'UPDATE' procedure, during which the user
is prompted for the names of the PTF decks
to be applied to the new system.

System Action: None.

User Action: None.

366R ENTER NAME OF SYSTEM TO BE SAVED:

Explanation: VSAMGEN has link-edited the
VSAM or Access Method Services system and
fetched it into virtual storage and is
about to issue the CP SAVESYS command for
that system.

System Action: The system waits for a
response.

User Action: Enter the name of the VSAM or
Access Method Services system.

367I 'modulename TEXT' WRITTEN ON DISK 'A'

Explanation: If the message was issued by
DMSVGN, VSAMGEN has read a reader file and
written it on the CMS disk with the given
name. The file is used in creating a new
named system.

If the message was issued by DMSVPD, DMSVPD
(called from VSAMGEN EXEC) has read the
named replacement module from the DOS/VS
PTF tape and has written it on the user's
A-disk for subsequent application in the
new VSAM or Access Method Services system.

System Action: None.

User Action: None.

367R ENTER TAPE {INPUT|OUTPUT} DDNAMES:

Explanation: You must supply the ddname of
the tape input or output data sets to be
used in the Access Method Services
jobstream. The ddname in each case must
match the "ddname" operand in the Access
Method Services control statement being
executed (EXPORT, IMPORT, or REPRO).

System Action: The system waits for a
response.

User Action: Enter the ddname of the tape
input or output data sets to be used.

368I count NEW PTF DECKS WILL BE APPLIED

> Explanation: VSAMGEN reads from the reader or from the DOS/VS PTF tape the number of files specified by "count". You can use this count to verify the number of PTF decks to be applied to build the new VSAM or Access Method Services system(s).
>
> This message appears once for each tape file read. Accordingly, if the user reads three tape files from the DOS/VS PTF tape, the total number of replacement modules is the total from the counts specified in the three DMSVPD368I messages.
>
> System Action: None.
>
> User Action: None.

368R ERASE sysname DOSLIB?...ENTER 'YES' OR 'NO':

> Explanation: The CMS DOSLIB file created during execution of the VSAMGEN EXEC (see message DMSVGN363I) can be erased at this time. This message prompts you to indicate whether or not you want the file erased.
>
> System Action: The system waits for a response.
>
> User Action: Enter either "yes" or "no".

369E INVALID - RELEASE 31 OR LATER REQUIRED

> Explanation: The release number entered in response to message DMSVGN369R is an earlier release than the one supported for VSAM and Access Method Services.
>
> System Action: RC = 24
> VSAMGEN is terminated and the system returns to the CMS command environment.
>
> User Action: If the release number is incorrect, restart the VSAMGEN EXEC procedure and enter the correct number. Otherwise, see the description of CMS VSAM and Access Method Services in the VM/370 Planning and System Generation Guide.

370R ENTER 'GO' IF SAVED SYSTEM IS TO BE CREATED, OTHERWISE 'QUIT'

> Explanation: The VSAMGEN EXEC has created the specified DOSLIB as stated in message DMSVGN363I and now requires whether it is to continue processing the DOSLIB or is to be terminated.
>
> System Action: The system waits for a response.
>
> User Action: If you desire to temporarily halt the creation of the saved system, enter 'QUIT'; if 'GO' is entered, the saved system will be built.

371I sysname IS LOADED, ENTER CP MODE TO APPLY ZAPS, ELSE 'NULL'

> Explanation: It is possible at this point to apply ZAPs to the loaded system by entering CP mode. All text is now in storage and the DISPLAY and STORE commands may be used to make changes.
>
> System Action: VSAMGEN issues a read to the terminal and waits for a response.
>
> User Action: If ZAPs are desired, enter CP mode. Make the desired changes, return to CMS READ via BEGIN command. Enter null line to cause the VSAMGEN to continue.

369R ENTER RELEASE NUMBER OF DOS/VS STARTER SYSTEM:

> Explanation: The VSAMGEN EXEC requires the release number of the DOS/VS starter system in order to use the associated CMS installaion files.
>
> System Action: VSAMGEN issues a read to the terminal and waits for your response.
>
> User Action: Enter the DOS/VS release number of the restored system (must be 31 or later).

380R ENTER 'TAPE' OR 'CARDS' FOR PTF APPLICATION:

> Explanation: It is possible to apply DOS/VS VSAM and Access Method Services PTFs either by applying individual replacement object decks through the reader or by stripping the appropriate modules from a DOS/VS PTF tape. This message prompts you to specify which method you will use.
>
> System Action: The system waits for a response.
>
> User Action: Enter TAPE or CARDS.

381R ENTER 'SELECT' OR 'ALL' FOR TAPE PTF APPLICATION:

> Explanation: Assuming the PTF tape is attached as 181 and positioned at the correct tape file, VSAMGEN offers the user the choice of applying all the VSAM and Access Method Services PTFs or choosing individual replacement files. This message prompts you to specify what you wish to do.
>
> System Action: The system waits for a response.
>
> User Action: Enter SELECT or ALL.

382R ENTER NUMBER OF TAPE FILES TO BE PROCESSED:

> Explanation: VSAMGEN must know how many PTF tape files to scan for the VSAM and Access Method Services replacement modules.

System Action: The system waits for a response.

User Action: Enter a decimal number showing the number of tape files to be processed starting with current tape position.

383R APPLY 'filename'? ...ENTER 'NO' OR EOB:

Explanation: The user has requested selection of PTF replacement modules during VSAMGEN EXEC execution.

System Action: The system waits for a response.

User Action: If you do not want to apply the PTF contained in the named file, enter "no". If you do want the file, indicate an EOB by pressing ENTER on a 3277 display terminal or RETURN on a 2741 terminal.

400S SYSTEM 'sysname' DOES NOT EXIST

Explanation: The subject system has not been defined in the Control Program module DMKSNT.

System Action: For DMSVIB, CMS abends with abend code X'044'. For all other modules, RC = 44. Execution of the user program is terminated. The system returns to the state it was in before the start of the user program.

User Action: Contact the system programmer, who will generate the saved system for the correct system name.

401S VM SIZE (size) CANNOT EXCEED 'sysname' START ADDRESS (address)

Explanation: The user's virtual machine storage size as currently defined is of such a size that the named system (when loaded) would overlay part of the user's virtual storage. This could have occurred in either of the following ways:

1. The named system was saved below the user's current virtual machine size, or

2. The named system was saved at an appropriate address, but the user's current virtual machine storage size is so large that it would be partially overlaid by the named system.

System Action: For DMSVIB, CMS abends with an abend code of X'104'. For DMSSET, RC = 40. For all other modules, RC = 104. Execution of the command is terminated. The system status remains the same.

User Action:
1. Contact the system programmer, who must create a new copy of the named VSAM or Access Method Services system at an address that is high enough not to conflict with any virtual machine size permitted for VSAM users, or

2. Enter CP mode and define a smaller virtual machine storage size for this VSAM user so his virtual storage is not overlaid by the named system, and then reload (via IPL) CMS/DOS.

- - - (Basic System Extensions) - - -

402S GETVIS FAILED IN DOS/VS BAM OPEN/CLOSE

Explanation: The DOS/VSE FB-512 OPEN/CLOSE routines have returned with an error indicating that the DTF currrently being processed could not be opened because of a lack of virtual storage.

System Action: The OPEN or CLOSE is canceled. System status remains the same.

User Action: Redefine a larger amount of virtual storage and IPL CMS again.

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- - - (Basic System Extensions) - - -

403S filename SHARED SEGMENT NOT AVAILABLE - RELOAD CMSDOS

Explanation: An OPEN has been issued for a file that resides on an FB-512 DASD, but the CMSBAM shared segment has not been generated.

System Action: The OPEN is canceled. System status remains the same.

User Action: The CMSBAM shared segment must be generated and saved with the VSAMPP EXEC and the SET DOS ON command reissued.

- - - - - - - - - - - - - - - - - - - -

- - - (Basic System Extensions) - - -

404S filename LOGIC MODULE NOT FOUND IN CMSBAM SHARED SEGMENT

Explanation: An OPEN has been issued for a file residing on an FB-512 DASD but the appropriate logic could not be located. This indicates that the CMSBAM shared segment has been generated incorrectly.

System Action: The OPEN is canceled. System status remains the same.

User Action: Have the system programmer examine the CMSBAM linkage editor map for unresolved external references. The modules that are unresolved must be obtained from the DOS/VSE PID tape and VSAMPP EXEC must be rerun to generate the CMSBAM shared segment.

- - - - - - - - - - - - - - - - - - - -

410S CONTROL PROGRAM ERROR INDICATION 'retcode'

    Explanation: An unexpected error occurred
while the Control Program was processing a
request from CMS to find or load the
specified saved system.

    System Action: For DMSVIB, CMS abends with
abend code X'174'. For other modules, RC =
174. In both cases, 174 is the actual error
code from the Control Program, indicating
that paging I/O errors have occurred.

    User Action: Contact the installation
system programmer for assistance.

411S {INPUT|OUTPUT} ERROR CODE 'nn' ON 'SYSxxx'

    Explanation: An unrecoverable input or
output error occurred while reading from or
writing to SYSxxx. SYSxxx is the card
reader, the printer, a tape drive, or the
logical unit assigned to the specified OS-
or DOS-formatted disk. The 'nn' code
indicates the nature of the error; it may
be one of the following:

CARD READER

Code Meaning
  3   An unknown error occurred.

PRINTER

Code Meaning
  1   A line was too long.
  5   An unknown error occurred.

TAPE INPUT AND OUTPUT

Code Meaning
  3   A permanent I/O error occurred.

DISK INPUT AND OUTPUT

Code Meaning
  2   A unit exception occurred.
  3   A wrong-length record was detected.
 13   A permanent I/O error occurred.

    System Action: RC = 100
Execution of the command is terminated.

    User Action: Use the error code to
determine and correct the possible cause of
error.

412S CMSXGEN FAILED DUE TO SETKEY ERROR

    - - - (Basic System Extensions) - - -

412S {CMSXGEN|CMSZGEN}   FAILED   DUE   TO
{SETKEY|DIRECTORY BUILD} ERROR

    -

    Explanation: Errors occurred while trying
to issue the SETKEY command to set storage
keys or while executing the DMSZES command
in the case of a directory build error.

System Action: RC = 100
Execution of the command is terminated. The
system status remains the same.

    User Action: A message was issued by DMSSSK
before this message was issued. Use the
explanation and user action for the DMSSSK
message to correct the error. If this is a
directory build error, a message was issued
by DMZSES before this message was issued.
Use the explanation and user action of the
DMZSES message to correct the error.

413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING

    Explanation: The program has issued a
CDLOAD (SVC 65), but the DOS VSAM
environment under CMS is not active. A
CDLOAD requires VSAM storage initialization
to have taken place, but this has not been
done.

    System Action: RC = 104
The job is terminated. The system status
remains the same.

    User Action: Issue the CMS command SET DOS
ON with the VSAM option in order to
initialize storage properly, and then
reexecute the program.

420E NSL EXIT FILENAME MISSING OR INVALID

    Explanation: The filename specified for
user-written, nonstandard label processing
routine must be the name of a TEXT or
MODULE file. No file could be found that
had a filetype of TEXT or MODULE with the
specified name.

    System Action: The command or program is
not executed.

    User Action: Specify the name of a valid
NSL exit routine and reissue the command.

    -

    - - - (Basic System Extensions) - - -

421E 'TAPn (cuu)' HDR1 LABEL MISSING FOR
'filename'

    Explanation: A tape specified as standard
label does not have a HDR1 label. Filename
is dtfname for CMS/DOS or ddname for OS
simulation. The message will also occur
for a tape that has HDR1 labels but is not
positioned correctly for input label
processing.

    System Action: The tape is positioned at
the record that was read when the HDR1 was
executed.

    For CMS/DOS, message DMSTLB435R is issued.

    For OS simulation, an OPEN error occurs.

    -

- - - (Basic System Extensions) - - -

The TAPEMAC and TAPPDS commands are terminated without reading any tape data.

The TAPESL macro returns an error code of 32.

User Action: Verify that the proper tape is mounted. Reply to message DMSTLB435R if issued. If the wrong tape is mounted, try again with the correct tape. If labels are not expected on the tape, respecify label type as BLP or LABOFF and try again.

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- - - (Basic System Extensions) - - -

422E   'TAPN (cuu)'   POSITIONED   WRONG   FOR 'filename'

Explanation: A tape was not positioned correctly for label processing to occur. For output tapes, an attempt was made to write a new label when the tape was not positioned at an existing HDR1 label or tapemark.

For CMS/DOS input tape, the message is issued when the file sequence number on the tape label is larger than the one specified in the LABELDEF command. The filename is the symbolic name in the DTFMT for the file.

For CMS, the filename is LABDEFid.

For OS simulation, the filename is ddname.

System Action: An OS file is not opened. A CMS/DOS job is cancelled and the TAPESL macro gives an error return code of 32.

User Action: Be sure the tape is positioned properly and that the correct tape is mounted. If necessary, reposition the tape and then reissue the job or command.

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- - - (Basic System Extensions) - - -

423I   'TAPn (cuu)'   POSITION PARAMETER IGNORED. OUTPUT FILE WILL BE WRITTEN IMMEDIATELY AFTER NEW VOL1 LABEL

Explanation: This message occurs when you respond to message DMSTLB433R by requesting that a new volume label be written on a tape. An OS simulation SL tape has been requested with a specified positional parameter indicating the file is not be the first on the tape.

System Action: The positional parameter is ignored and the new label file is written immediately after the new VOL1 label.

User Action: None.

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- - - (Basic System Extensions) - - -

424E   'TAPn (cuu)'   NOT POSITIONED AT EOF1 LABEL

Explanation: The CMS TAPESL macro was issued with the function EIN but the tape was not positioned at an EOF1 or EOV1 label.

System Action: No label is processed. The macro returns a code of 32 and the tape is left positioned to the same record it was positioned at when the macro was issued.

User Action: Space the tape so it is positioned at the EOF1 trailer label and reissue the macro or ignore the error if you do not want the tape trailer label processed.

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- - - (Basic System Extensions) - - -

425R   'TAPn   (cuu)'   BLOCK   COUNT   ERROR   FOR 'filename' ENTER 'IGNORE' OR 'CANCEL'

Explanation: The block count in an EOF1 record does not match the number of blocks actually read. Filename is dtfname for CMS/DOS or ddname for OS simulation.

For OS simulation, the message is only issued when you do not have a block count exit routine specified in the DCB EXIT list.

For the TAPESL macro the message is issued only when you have not specified an error return (by the ERROR=parameter) that is different from the normal return.

System Action: The system waits for a reply.

User Action: Enter 'IGNORE' to continue processing normally or 'ERROR' to cancel the job in CMS/DOS, or to cause an abend with code 500 in either OS simulation or when processing the CMS TAPESL macro.

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- - - (Basic System Extensions) - - -

426R   'TAPn (cuu)'   UNEXPIRED   FILE ENTER 'IGNORE' OR 'ERROR'

Explanation: The system is trying to write over a HDR1 record on tape cuu that has an expiration date that has not yet expired.

System Action: The system waits for a response.

User Action: Enter 'IGNORE' to write over the existing record and disregard the

- - - - - - - - - - - - - - - - - - -

- - - (Basic System Extensions) - - -

expiration date. Enter 'ERROR' to cancel
the job in CMS/DOS or to prevent the file
from being opened in OS simulation.

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- - - (Basic System Extensions) - - -

427R 'TAPn (cuu)' EOV1 LABEL READ

Explanation: While processing trailer
labels for an input tape file, an EOV1
label was read instead of an EOF1 label.

System Action: None.

User Action: No response is necessary.
However, if you want to mount a new tape
and continue reading the file, you must
send a message to the operator requesting
that a new tape be mounted. The data on
the new tape must be processed as a new
file by CMS.

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- - - (Basic System Extensions) - - -

428I 'TAPn (cuu)' EOV1 LABEL WRITTEN

Explanation: End-of-tape was encountered
while writing an output file on a tape with
IBM standard labels under CMS/DOS or OS
simulation. This message is also issued
when TAPESL is used to write an EOV1 label.

System Action: A tape mark and EOV1 label
are written after detecting the
end-of-tape.

For CMS/DOS, the job is then cancelled and
the tape is rewound and unloaded.

For OS simulation, the program abnormally
terminates with a code 001 if you are using
QSAM or if you use a CHECK macro in BSAM.
If you are using BSAM with no CHECK macro,
your program continues to try to write on
the tape.

The tape is always rewound and unloaded
after this message is issued.

User Action: The operator must mount a new
tape to continue the file. If possible,
reorganize the output data to fit on a
single tape reel.

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- - - (Basic System Extensions) - - -

429I 'TAPn (cuu)' EOT ON OUTPUT

Explanation: End-of-tape was encountered
while the system was writing a tape file
with CMS/DOS or OS simulation I/O macros.
The tape file was not defined to have IBM
standard labels.

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- - - (Basic System Extensions) - - -

System Action: A tape mark is written after
the last data record. If the file has
nonstandard labels and a user exit has been
specified, control is transferred to this
nonstandard label routine. See message
DMSTLB428I for a description of tape
positioning and user program action when
this message is issued.

User Action: The operator must mount a new
tape to continue the file. If possible,
the operator should reorganize the data so
each file will fit on an individual tape.

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- - - (Basic System Extensions) - - -

430E 'TAPn (cuu)' LABELDEF INFORMATION MISSING
FOR FILE 'filename'

Explanation: Under CMS/DOS or CMS you must
specify a LABELDEF statement for every
labeled tape file. One was not found for
DTFMT or labeldefid with the specified
filename. The message may occur for OS
simulation files if you have inadvertently
cleared the FILEDEF or LABELDEF for the
specified filename.

System Action: The job is canceled for
CMS/DOS, the file is not opened for OS
simulation and the TAPESL macro returns an
error code of 28.

User Action: Specify a LABELDEF statement
for the file and execute the job again.

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- - - (Basic System Extensions) - - -

431E 'TAPn (cuu)' VOL1 LABEL MISSING

Explanation: This message occurs when you
request that a tape have its VOL1 label
checked or displayed. The tape does not
contain a VOL1 label as its first record.

System Action: The TAPE command is
terminated.

For CMS/DOS input files, message DMSTLB435R
is issued.

For OS input files, an OPEN error occurs.

User Action: Be sure the operator has
mounted the correct tape. Respond to any
further messages that are issued. If
necessary, reissue the command or program.

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- - - (Basic System Extensions) - - -

432E 'TAPn (cuu)' VOLID volid DOES NOT MATCH LABELDEF VOLID FOR 'filename'

Explanation: The volume serial number (volid) on a tape VOL1 label is not the same as the volume serial number specified on a LABELDEF or FILEDEF command. Filename is dtfname for CMS/DOS or ddname for OS simulation. The volid displayed in the message is the one found on the tape label.

System Action: CMS/DOS files, message DMSTLB435R is issued.

CMS commands terminate without any data being read.

For CMS TAPESL macro for input, an error code of 32 is returned.

For OS simulation input files, the file is not opened.

For OS simulation or TAPESL output files, message DMSTLB433R is issued.

User Action: Be sure the correct volume serial number is specified on the command. If it is, the correct tape was not mounted. Ask the operator to mount the proper tape. Reissue the command or program.

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- - - (Basic System Extensions) - - -

433R ENTER 'WRITE (VOLID' OR 'REJECT'

Explanation: This message is issued when an output OPEN routine finds a tape has a VOL1 volid that does not match the one specified or if an output tape has been specified as SL and no VOL1 label is on it. The message is issued only in situations where a DOS/VS or OS/VS operating system allows a VOL1 label to be written. It is never issued unless either message DMSTLB431E or DMSTLB432E is also issued.

System Action: The system waits for a reply.

User Action: You may enter 'REJECT' to reject the tape or rewrite the VOL1 label on the tape by entering WRITE followed by a left parenthesis and, with no intervening blanks, a one- to six-character volume serial number to be written in the label. No owner field may be specified. To write a VOL1 label with an owner field you must use the WVOL1 function on the TAPE command.

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- - - (Basic System Extensions) - - -

434E 'TAPn (cuu)' INPUT LABEL ERROR IN FIELD 'fieldname' FILE 'filename'

Explanation: A field in a tape HDR1 label did not agree with the field specified on a LABELDEF command for the file. Filename is dtfname for CMS/DOS or ddname for OS simulation. 'fieldname' identifies the field causing the error.

System Action: For CMS/DOS, message DMSTLB435R is issued.

CMS commands and TAPESL macro terminate without reading any tape data.

For OS simulation, the file is not opened.

User Action: Be sure the LABELDEF statement for the file is correct. If it is, the wrong tape may be mounted or it may be positioned at the wrong file. Reply to message DMSTLB435E if issued.

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- - - (Basic System Extensions) - - -

435R ENTER 'IGNORE' or 'CANCEL'

Explanation: This message is never issued alone. It always follows another CMS/DOS message that identifies a tape label error.

This message gives the CMS/DOS user the choice of ignoring a label processing error and continuing the job or cancelling it.

System Action: The system waits for a reply.

User Action: Enter 'IGNORE' or 'CANCEL'.

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- - - (Basic System Extensions) - - -

436I 'TAPn (cuu)' MISSING USER STANDARD LABEL FOR 'ddname'

Explanation: This message is issued when the OS simulation user request SUL tape label processing on a FILEDEF command. The user also has a user exit in the DCB exit list for the file identified by ddname. However, the tape did not contain a user UHL or UTL label.

System Action: If a tape mark is read instead of the expected user standard label, the tpae is positioned at the record immediately after the tape mark. Otherwise, the tape is backspaced so it is positioned at the record that was read when a user standard label was expected.

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- - - (Basic System Extensions) - - -

User Action: None, if the tape file was not
expected to contain a user label. If one
was expected, halt the program execution
and be sure the correct tape is mounted.

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- - - (Basic System Extensions) - - -

437I 'TAPn (cuu)' NSL ROUTINE RETURNED ERROR
CODE 'nnnnnn' FOR 'filename'

Explanation: This message is issued when
you execute a nonstandard tape label
processing routine that returned a nonzero
return code of 'nnnnnn' in register 15.
'filename' is the ddname for the file that
caused the code for OS simulation; for the
TAPEMAC and TAPPDS commands, it is the id
parameter specified by the user.

System Action: The nonzero return code
prevents an OS file from being opened or
causes the TAPEMAC or TAPPDS commands to be
terminated without processing any tape
files.

User Action: Examine your NSL routine to be
sure you wanted to return a nonzero code.
If you did, then you probably have the
wrong tape mounted or you anticipated this
condition.

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444E VOLUME 'label' IS NOT A DOS SYSRES

Explanation: The disk specified by the mode
operand of the SET DOS ON command is not a
DOS/VS system residence volume.

System Action: RC = 32
Execution of the command is terminated. The
system status remains the same.

User Action: Reissue the command with the
correct mode.

601R ENTER SPECIFICATION LIST:

Explanation: The specification list that is
to be entered in conjunction with the SPECS
option is requested.

System Action: The system waits for a
response.

User Action: Enter the specification list.

602R ENTER TRANSLATION LIST:

Explanation: The translation list that is
to be entered in conjunction with the TRANS
option is requested.

System Action: The system waits for a
response.

User Action: Enter the translation list.

603R FORMAT WILL ERASE ALL FILES ON DISK
'mode(cuu)'. DO YOU WISH TO CONTINUE?
(YES|NO):

Explanation: This message is a reminder
that the formatting process erases existing
files.

System Action: The system waits for a
response.

User Action: Enter "yes" or "no".

604R ENTER SORT FIELDS:

Explanation: The command requires a list of
sort fields on which to perform a sort.

System Action: The system waits for a
response.

User Action: Enter pairs of numbers,
separated by a blank, defining the starting
and ending character positions of sort
fields within the records.

605R ENTER DISK LABEL:

Explanation: You are requested to enter a
label for the disk being formatted. The
label will be written on the disk at
cylinder 0, track 0, record 3.

System Action: The system waits for a
response.

User Action: Enter a one- to six-character
label for the disk. If you enter less than
six characters, the label is left-justified
and padded with blanks. If you enter a
null line, the system displays the message
DISK REMAINS UNCHANGED.

606R SYSTEM DISK ADDRESS = cuu

Explanation: "cuu" designates the device
address of the system disk (S-disk). On
this disk CMS expects to find all CMS
system information and programs not
contained within the CMS nucleus, such as
the disk-resident command modules. If the
CMS nucleus is written on this disk, then
cuu is also the IPL device address.

System Action: The system waits for a
response. If you enter an invalid device
address, the message

    DMSINI079E INVALID DEVICE ADDRESS -
                REENTER

is issued. Message DMSINI606R is reissued,
and you may enter a valid device address.

If you enter a null line, 190 is assumed to
be the system disk address.

Once the system disk address entered is accepted, message DMSINI615R is issued.

User Action: Enter a valid device address or a null line.

607R REWRITE THE NUCLEUS? (YES|NO)

Explanation: Your response to this message determines whether or not a copy of the CMS nucleus is written onto disk.

System Action: The system waits for a response.

User Action: Enter either "yes" or "no." If you enter "no" a copy of the CMS nucleus is not written onto disk. The remaining questions in generating a new CMS nucleus are skipped and control is passed to the CMS initialization routine.

If you enter "yes", message DMSINI608R is issued.

If you fail to enter either "yes" or "no", the message

    DMSINI081E INVALID REPLY. - ANSWER "YES" OR "NO"

is issued. Message DMSINI607R is reissued and you may enter a valid response.

608R IPL DEVICE ADDRESS = cuu

Explanation: "cuu" designates the device address on which the CMS nucleus is to be written. If the system disk and the IPL device are to be the same, you need only enter a null line.

System Action: The system waits for a response.

If you enter an invalid device address, message

    DMSINI079E INVALID DEVICE ADDRESS - REENTER

is issued. Message DMSINI608R is reissued and you may enter a valid device address.

If the IPL device designated is not currently defined, is not in read/write status, or is an unsupported device type, message

    DMSINI082E IPL DEVICE ERROR - REENTER

is issued. Message DMSINI608R is then reissued. At this time, you may enter CP mode by signaling attention, and determine the status of the designated device by entering the CP command

    QUERY VIRTUAL cuu

Then take the corrective action necessary to define the device for your virtual machine or to access it in read/write status. Reenter CMS mode by issuing the CP command

    BEGIN

You must then reenter the device address.

Once the IPL device address is accepted, message DMSINI609R is issued.

User Action: Enter a valid device address or a null line.

609R NUCLEUS CYL ADDRESS = nnn

- - - (Basic System Extensions) - - -

609R NUCLEUS {CYL|BLK} ADDRESS = nnn

- - - - - - - - - - - - - - - - - - - -

Explanation: "nnn" designates the cylinder address (on the device entered in response to message DMSINI608R) on which the CMS nucleus is to be written. (For Basic System Extensions, "nnn" designates the FB-512 block number (on the device entered in response to message DMINI608R) on which the CMS nucleus is to be written). nnn must be between 001 and m-1 where m equals the number of cylinders or blocks on the disk, the cylinders or blocks on a disk being numbered from 0 to m. nnn must be entered in decimal.

(For Basis System Extensions, if an FB-512 device, the FB-512 block number must be a multiple of 256 and 256 blocks must be available at that location to form an FB-512 extent.)

System Action: The system waits for a response.

If you do not enter a valid decimal cylinder or block number, the message

    DMSINI080E INVALID {CYL|BLK} NUMBER - REENTER

is issued, message DMSINI609R is reissued, and you may enter a valid cylinder number (For Basic System Extensions, FB-512 block number).

If the cylinder or FB-512 block(s) specified is not greater than the number of cylinders or FB-512 block(s) already in use on the device (as indicated in the file directory), the message

DMSINI083E NUCLEUS WILL OVERLAY FILES -
RECOMPUTE

- - - (Basic System Extensions) - - -

DMSINI083E NUCLEUS {CYL|BLK} SPECIFICATION
UNACCEPTABLE, ERROR 'X'

- - - - - - - - - - - - - - - - - - -

is issued. Message DMSINI609R is reissued.
You may respond with a larger cylinder or
block number, or IPL the CMS system and
format the specified IPL device with the
RECOMP option. Once the nucleus cylinder
or block address is accepted, message
DMSINI610R is issued.

User Action: Enter a valid cylinder
address.

610R ALSO IPL CYLINDER 0? (YES|NO)

- - - (Basic System Extensions) - - -

610R ALSO IPL {CYL|BLK} 0? (YES|NO)

- - - - - - - - - - - - - - - - - - -

Explanation: (For Basic System Extensions,
the terms "FB-512 extent", "block" and
"block number" are applicable). The
initial IPL text is always written on the
same cylinder or FB-512 extent as the CMS
nucleus, that is, the cylinder or FB-512
extent designated in response to message
DMSINI609R. (The initial IPL text is a
bootstrap program that reads in the nucleus
from the designated cylinder or block.) If
it is not also written on cylinder or block
0, you must enter the cylinder or block
number whenever an IPL is issued for the
system being generated. For more
information, see the IPL command in the
VM/370 CP Command Reference for General
Users.

System Action: If you do not enter "yes" or
"no", the message

DMSINI081E INVALID REPLY - ANSWER "YES"
OR "NO"

is issued. Message DMSINI610R is reissued
and you may enter a valid response.

If you enter "yes", the initial IPL text is
written on cylinder or block 0 as well as
on the cylinder or block designated in
response to message DMSINI609R.

If you enter "no" the initial IPL text is
written only on the cylinder or block
designated in response to message
DMSINI609R.

If you enter either "yes" or "no", message
DMSINI611R is issued.

User Action: Enter "yes" or "no".

611R VERSION IDENTIFICATION =

Explanation: Thirty-two bytes of
information, including blanks, can be
entered to specifically identify the
version and level of CMS; this information
is displayed or printed out when an IPL CMS
is executed. The default identification
(specified by a carriage return) is:

CMS VERSION n.n - mm/dd/yy

where mm/dd/yy is the month, day, and year
the CMS nucleus was created.

System Action: The system waits for a
response.

User Action: Enter version identification
information or a null line.

612R INSTALLATION HEADING =

Explanation: Sixty-four bytes of
information, including blanks, can be
entered to serve as an installation
standard heading at the beginning of each
output file. The default heading
(specified by a null line) is:

CONVERSATIONAL MONITOR SYSTEM

System Action: The system waits for a
response.

User Action: Enter up to 64 characters of
identifying information, or a null line.

615R Y - DISK ADDRESS = cuu

Explanation: "cuu" designates the device
address of the system disk extension
(Y-disk). On this disk, CMS expects to find
all CMS system information and programs not
contained within the CMS nucleus and not on
the S-disk, such as disk-resident command
modules. If the CMS nucleus is written on
this disk, then cuu is also the IPL device
address. (It is not required that you have
a Y-disk.)

System Action: The system waits for a
response.

If you enter an invalid device address, the
message

DSMINI079E INVALID DEVICE ADDRESS -
REENTER

is issued. Message DMSINI615R is reissued,
and you may enter a valid device address.

If you enter a null line, "19E" is assumed
to be the system disk extension address.

If you do not want a Y-disk, then do not
have a disk 19E in your directory entry,
and enter a null line.

Once the system disk extension address is
accepted, message DMSINI607R is issued.

User Action: Enter a valid disk address or a null line.

701I NULL FILE

Explanation: There were no records in the file.

For DMSRDC, two READ control cards were encountered, but there were no cards available to be placed in the first file.

For DMSTPE, an end-of-CMS-file record was found, but there were no other records in the file.

System Action: Processing continues.

User Action: If records were expected, the file should be resubmitted.

702I :READ fn ft fm

Explanation: This message is displayed for every READ control card encountered during a READCARD operation. When there are no READ control cards, the following messages are displayed:

READ CONTROL CARD IS MISSING. FOLLOWING ASSUMED:
:READ READCARD CMSUT1 A1

This indicates that the file is read in as READCARD CMSUT1 A1.

System Action: Processing continues.

User Action: If the file has been read in as READCARD CMSUT1 A1, rename it to a desired fileid.

703I FILE 'fn ft [fm]' COPIED

Explanation: The named file has been copied from tape to disk.

System Action: None.

User Action: None.

704I INVALID CLEAR REQUEST

Explanation: A CLEAR request was entered for a file definition that does not exist. No action took place.

System Action: None.

User Action: Correct the file definition specified in the CLEAR request.

705I DISK REMAINS UNCHANGED

Explanation: The reply to DMSFOR605R was not "yes".

System Action: None. The disk remains unchanged.

User Action: Enter the next command.

706I TERM INPUT -- TYPE NULL LINE FOR END OF DATA

Explanation: The input ddname in the MOVEFILE command refers to a terminal. This message requests the input data to be copied to the output device or file.

System Action: The system waits for a response.

User Action: Enter data or a null line.

707I TEN FILES COPIED

Explanation: Ten members have been copied from tape to disk as a result of the MAXTEN option.

System Action: None.

User Action: None.

708I DISK FILE 'FILE ddname A1' ASSUMED FOR DDNAME 'ddname'

Explanation: No FILEDEF command was issued for a ddname specified in the MOVEFILE command. As a result, the MOVEFILE command issues a FILEDEF for that ddname.

If this is the input ddname, the disk file must exist on disk. The blocksize and record format are taken from the characteristics of the input disk file.

If this is the output ddname, the disk file is created on the A-disk. Its characteristics depend on the format of the input file.

System Action: Processing continues.

User Action: None.

710I PHASE 'phase' ENTRY POINT AT LOCATION xxxxxx

Explanation: The phase entry point is located at location xxxxxx.

System Action: None.

User Action: Issue the START command to begin execution.

711I NO SYSTEM SYNONYMS IN EFFECT

Explanation: No system synonyms are in effect because you previously issued a SYNONYM command with NOSTD specified as an option.

System Action: None.

User Action: If you want to have system synonyms in effect, issue the SYNONYM command with the STD option.

712I NO SYNONYMS. (DMSINA NOT IN NUCLEUS)

Explanation: The routine that handles
synonym processing is not in this system;
therefore, no synonyms are in effect.

System Action: None.

User Action: None.

715I {DOSGEN|CMSXGEN} COMPLETE

- - - (Basic System Extensions) - - -

715I {DOSGEN|CMSXGEN|CMSZGEN} COMPLETE

- - - - - - - - - - - - - - - - - -

Explanation: The CMS text decks have been
successfully loaded into the discontiguous
shared segment and the CP SAVESYS command
has been issued to save the system.

System Action: None.

User Action: None.

721I COPY 'fn ft fm' [{TO|APPEND|OVLY} 'fn ft
fm' {OLD|NEW} FILE]

Explanation: This message appears in
conjunction with the TYPE option. It
indicates the name of the input file and
output file.

System Action: None.

User Action: None.

722I FILE 'fname2 LISTING fm' WILL HOLD AMSERV
OUTPUT

Explanation: The Access Method Services
output will be placed on the given disk
(other than the user's A-Disk). This
information message is omitted if the
output file is placed on the user's
read/write A-disk.

System Action: Processing continues.

User Action: None.

723I mode (cuu) {R/O|R/W} [-OS|-DOS]

Explanation: The specified CMS-formatted
disk is accessed in read-only mode. -OS
indicates the disk is OS-formatted. -DOS
indicates the disk is DOS-formatted.

Note: A read/write OS or DOS disk can be
written on only by VSAM.

System Action: Processing continues.

User Action: None.

724I 'cuu' REPLACES 'mode (ccu)'

Explanation: The disk that was accessed
replaces the disk specified in the search
order. The disk it replaces is released,
but is not detached.

System Action: Processing continues.

User Action: None.

725I cuu ALSO = 'mode' [-OS|-DOS] DISK

Explanation: The specified disk is also
accessed as the 'mode' disk. The -OS
indicates that the disk is an OS disk; The
-DOS indicates that the disk is a DOS disk.

System Action: Processing continues.

User Action: None.

726I 'cuu mode' RELEASED

Explanation: The specified device has been
released since the user has specified
another disk for that mode.

System Action: Processing continues.

User Action: None.

728I DEBUG ENTERED [EXTERNAL INT|BREAKPOINT nn
AT xxxxxx]

Explanation: The system has entered the
DEBUG environment. For a full description
of DEBUG, see the VM/370 CMS User's Guide
and the VM/370 CMS Command and Macro
Reference.

System Action: The system waits for the
next command.

User Action: Enter a DEBUG subcommand.

732I 'nnn' {CYLINDERS|FB-512 BLOCKS} FORMATTED
ON DISK 'mode(cuu)'

Explanation: This message tells you how
many cylinders (or for Basic System
Extensions, FB-512 blocks) have been
formatted on the specified disk.

System Action: Processing continues.

User Action: None.

733I FORMATTING DISK 'mode'

Explanation: The FORMAT command is
formatting the specified disk.

System Action: Processing continues.

User Action: None.

738I RECORD LENGTH IS 'nnn' BYTES

Explanation: The message indicates the length of records read in when it is not 80 bytes.

System Action: Processing continues.

User Action: None.

740I EXECUTION BEGINS ...

Explanation: The user has requested execution of a program under CMS.

System Action: The program has been prepared for execution by the CMS loader and control is now passed to the program.

User Action: None.

750I ZAP PROCESSING COMPLETE

Explanation: An END control record was encountered and processing is terminated.

System Action: All files are closed and control returns to CMS.

User Action: None.

751I MEMBER FOUND IN LIBRARY 'fn'

Explanation: If more than one LOADLIB or TXTLIB was specified, this message tells you which library the member was found in.

System Action: Processing continues.

User Action: None.

777S DOS PARTITION TOO SMALL TO ACCOMMODATE FETCH REQUEST

Explanation: The virtual DOS partition is too small to accommodate the FETCH request. If the module or phase requested were fetched into user storage, it would exceed PPEND.

System Action: RC = 104
Execution of the command is terminated.

User Action: Redefine the size of the virtual partition using the SET DOSPART command and reissue the command. Note that redefining the partition size causes storage to be reinitialized, and therefore any previous loads or fetches must be reissued.

825E 'CLEAR' IS VALID ONLY WHEN SPECIFIED BY ITSELF

Explanation: CLEAR, CLEARALL, CLEARIO, or CLEARMC was specified along with other parameters. This is prohibited. The CLEAR parameter must be specified by itself, with no reports requested. No report is printed.

System Action: RC = 12
Execution of the command is terminated. The system status remains the same. No clearing takes place. No report is printed.

User Action: Reissue the CPEREP command requesting the report without the CLEAR parameter. After the report is generated, issue CPEREP again with only the CLEAR parameter, or use the ZERO parameter with other parameters (where compatible) to generate a report followed by immediate clearing.

826E EREP TXTLIBS NOT FOUND

Explanation: In attempting to search the EREP TXTLIBs, DMSIFC found that the pointer to the first TXTLIB contained zeros.

System Action: RC = 56
Execution of the command is terminated. The system status remains the same.

User Action: Issue a GLOBAL TXTLIB command listing the applicable EREP TXTLIBs in the proper search order. If no local libraries exist, the command should be:

    GLOBAL TXTLIB ERPTFLIB EREPLIB

Reissue the CPEREP command. If the error persists, call your system support personnel.

828I CPEREP ZERO OR CLEAR HAS BEEN COMPLETED

Explanation: CLEAR or ZERO was specified by the user or other parameters caused ZERO to be requested by default. The VM/370 error recording cylinders have been erased, except that only the I/O error recording cylinder was erased if CLEARIO was specified; or only the machine and channel check error recording cylinder was erased if CLEARMC was specified.

System Action: RC = 0
Control returns to CMS.

User Action: None required.

829W ATTEMPTED 'ZERO' WAS SUPPRESSED. REQUIRES PRIVILEGE CLASS F

Explanation: CLEAR or ZERO was specified by the user; or other parameters caused ZERO to be requested by default. The VM/370 error recording cylinders were not erased because the user was not authorized. Only class F users have authorization to erase the error recording cylinders.

System Action: RC = 88 or RC = 0
If the CLEAR function failed, the return code will be 88. If the ZERO function failed, the return code will be 0. Reports (if requested) have already been generated. Control returns to CMS.

User Action: None required if ZERO was requested by mistake or default. If you need to erase the error recording cylinders, see your system support personnel to get a class F directory entry.

830E I/O ERROR READING A BLOCK OF RECORDS FROM THE ERROR RECORDING CYLINDERS

Explanation: DMSREA, the CPEREP read module, encountered a permanent input/output error while attempting to read a 4K block of records from the error recording area. Probable hardware error.

System Action: RC = 60
Execution of the command is terminated. The system status remains the same.

User Action: Execute the DDR service program to obtain a dump of the error recording cylinder on which the input error occurred. Reconstruct the data on the error recording cylinders. If the reconstruction process is successful, initiate the CPEREP operation again. If the error recurs, call your system support personnel.

831E MORE THAN 100 CHARS OF OPTIONS SPECIFIED

Explanation: The maximum number of characters that can be used to specify options for this command is 100. More than 100 characters were used.

System Action: RC = 62
Execution of the command is terminated. The system status remains the same.

User Action: Check the valid command options. Reissue the command using less than 100 characters to specify the options.

832S SOFTWARE INCOMPATIBILITY AT THE CPEREP-EREP INTERFACE. CODE=nnn

Explanation: CPEREP is OS/VS EREP running under CMS with CPEREP providing interface code between OS/VS EREP and CMS. Some change has been made to OS/VS EREP (via PTF, or a new release, etc.) that has made it incompatible with the interface provided by CPEREP.

Code	Meaning
1	An EXCP was attempted with a DCB other than that of the SYS1.LOGREC data set.
2	OS/VS EREP is expected to use only one IOB and one channel program when it uses EXCP to access the SYS1.LOGREC data set. But it has attempted to use IOBs or channel programs at more than one location in storage.
3	The expected read/write command in the channel program for accessing SYS1.LOGREC contains an unexpected op code.

Code	Meaning
4	While reading error records (with EXCP) from (simulated) SYS1.LOGREC, OS/VS EREP made an attempt to read nonsequentially prior to completion of the sequential reading phase.
5	An attempt was made to read record 2 of SYS1.LOGREC (the time stamp record), which CPEREP does not simulate.
6	The first EXCP to SYS1.LOGREC was not the expected read of the SYS1.LOGREC header record.
7	The channel program for accessing SYS1.LOGREC does not have the expected format.
8	An invalid disk address (CCHHR) was used while attempting to access SYS1.LOGREC.
9	There are no error records and yet OS/VS EREP attempted to read error records.

System Action: RC = 104
Execution of the command is terminated with a deliberate program check.

User Action: Reissue the command, or have your system programmer try it. If the problem persists, call your system support personnel.

901T UNEXPECTED ERROR AT 'addr': PLIST 'plist fn ft fm' AT addr, BASE: addr, RC nn

Explanation: An unexpected error occurred in COPYFILE processing. The "plist" indicates one of the following CMS functions: RDBUF, WRBUF, FINIS, ADTLKP, or RENAME. The return code "nn" indicates one of the following conditions:

'plist' = RDBUF

Code	Meaning
1	The file was not found.
2	The address of the buffer was not within virtual storage limits.
3	A permanent disk error occurred. This may occur if you link to and access another user's disk, and try to read a file that was refiled by its owner after you issued the ACCESS command. Reissue the ACCESS command and try to read the file again.
5	The number of records is less than 0 or greater than 32768.
7	The fixed/variable flag is not F or V.
8	The record read is longer than the buffer.
9	The specified file is open for writing; it must be closed and opened for reading.
11	The number of records is greater than 1 for a variable-length file.
12	The end of the file was reached.
13	An invalid displacement appears in the AFT for a variable-length file.
14	An invalid character appears in the filename.
15	An invalid character appears in the filetype.

'plist' = WRBUF

Code Meaning
1   An attempt was made to write a null file.
2   The virtual storage address equals zero.
4   The first character of the filemode is invalid.
5   The second character of the filemode is invalid.
6   The record number or number of records is too long.
7   An attempt was made to skip over an unwritten variable-length record.
8   The number of bytes was not specified.
10   The maximum number of CMS files (3400) was reached.
11   The fixed/variable flag is not F or V.
12   The disk is read-only.
13   The disk is full.
14   The number of bytes to be written is not integrally divisible by the number of records to be written.
15   The length of this record is not the same as that of the previous record.
16   The characteristic (F or V) is not the same as the previous record.
17   A variable-length record is greater than 65K bytes.
18   The number of records is greater than 1 for a variable-length file.
19   The maximum number of data blocks (16060) had been reached.
20   An invalid character appears in the filename.
21   An invalid character appears in the filetype.

'plist' = FINIS

Code Meaning
6   The file is not open.

'plist' = ADTLKP

Code Meaning
1   The matching ADT block was not found.

'plist' = RENAME

Code Meaning
24   The mode is invalid, or the fileid is incomplete.
28   The file was not found, a new file already exists, fileids are identical, or the file is inactive.
36   The disk is not read/write.

System Action: RC = 256
Execution of the command is terminated. The system status remains the same, with the following exceptions:

• If the APPEND option was specified and the copying process began before the error was discovered, records have been appended to the output file.

• If the NEWFILE (the default), REPLACE, or OVLY option was specified, and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.

• If multiple-output-file mode, several output files may have been created before the error was discovered.

User Action: Refer to the "plist" parameter and the RC "nn" parameter to determine if an input/output error occurred. If it did, try to reissue the command. Otherwise, contact your system support personnel for assistance.

902T IPL DEVICE READ I/O ERROR

Explanation: An uncorrectable I/O error occurred while reading a CMS nucleus.

System Action: The system enters a wait state.

User Action: Call your installation support personnel.

903T IMPOSSIBLE PHASE CODE 'xx'

Explanation: A phase code larger than the maximum was detected during the file copying operation. This error should never occur.

System Action: RC = 256
Execution of the command is terminated. The system status remains the same, with the following exceptions:

• If the NEWFILE (the default), REPLACE, or OVLY option was specified, and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.

• In multiple output file mode, several output files may already have been created before the error was discovered.

User Action: Contact IBM for assistance.

904T UNEXPECTED UNPACK ERROR AT 'addr', BASE 'addr'

Explanation: An error condition was detected during the process of unpacking a file. Probably, the file was not in PACK format, or it was modified after it was packed.

System Action: RC = 256
Execution of the command is terminated. The system status remains the same, with the following exceptions for DMSCPY:

• If the NEWFILE (the default), REPLACE, or OVLY option was specified, and the copying process began before the error was discovered, then COPYFILE CMSUT1, on the output disk, contains the records copied so far.

- In multiple output file mode, several output files may have been created before the error was discovered.

User Action: Contact your installation support personnel for assistance.

905S WRITE-INHIBIT SWITCH SET ON DRIVE ...NOTIFY OPERATOR

Explanation: CMS tried to write on a virtual disk that resides on a disk whose "write-inhibit" switch was set.

System Action: DMSDIO returns to caller with a code 6, "FILE IS READ-ONLY."

User Action: Notify the system operator to reset the switch; then IPL CMS again.

907T I/O ERROR ON FILE 'fn ft fm'

Explanation: The system tried to close a file that had not been opened or could not find a file that should exist.

For DMSHLP, an error occurred while attempting to read from the requested HELP text file.

System Action: RC = 256
Execution of the command is terminated. For DMSLBM, the MACLIB condition is unpredictable.

User Action: For DMSLBM, issue MACLIB MAP to check the validity of the library name.

For DMSLIO, if the error is in a TXTLIB, check the integrity of the dictionary.

Reissue the command and if the problem persists, contact your installation support personnel.

908T FILE SYSTEM ERROR DETECTED. VIRTUAL ADDR 'cuu'. REASON CODE 'nn'

Explanation: An error has been detected indicating that the CMS file system may have become disoriented with respect to the disk having virtual address 'cuu'. 'nn' indicates the nature of the error; it may be one of the following:

Code Meaning
3 An error was detected in trying to read from or write on a disk. Probably the disk was detached (via the DETACH command) without having been released (via the RELEASE command), or the disk is an unsupported device. Error detected in module DMSDIO.

- - - (Basic System Extensions) - - -

A deallocation was attempted on a nonallocated DISK block, or a MARK operation was attempted on a block already allocated. The error was detected in DMSTRK, or a RDTRK/WRTRK operation was attempted to a DISK block number zero. The error was detected in module DMSDIO.

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5 The cylinder number received by the Control Program is not in the user's range or an attempt was made to access file record zero. Error detected in module DMSDIO.
6 An attempt was made to write on a read-only disk. Error detected in module DMSDIO.
8 A channel programming error occurred. Error detected in module DMSDIO or a deallocation was attempted on a block outside the range of the DISK structure. The error was detected in module DMSTRK, or a RDTRK/WRTRK operation was attempted with a byte count of zero. The error was detected in module DMSDIO.
C An I/O error occurred while writing the volume label to commit an ACCESS ERASE operation. The error was detected in DMSTRK.
13 An I/O error occurred during a RDTRK/WRTRK operation to an FB-512 device. The error was detected by DMSDIO.
18 A plist error was encountered during a truncate operation. The error was detected by DMSERS.
19 A storage error occurred during a truncate operation. The error was detected by DMSERS.
1C The file or ADT for a truncate operation was not found. The error was detected by DMSERS.
24 The file to undergo truncation was located on a R/O disk. The error was detected by DMSERS.
25 A storage error occurred during a RDTR/WRTRK operation. The error was detected in module DMSDIO.
28 A FINIS error occurred during a truncate operation. The error was detected by DMSERS.
2C Inconsistent V-Format pointers were detected during a truncate operation. The error was detected in module DMSERS.
41 No free block is available for allocation. Error detected in module DMSTRK. You may recover files from this disk if you access it as read-only and copy the desired files to another disk.
42 A parameter list error occurred. Error detected in module DMSTRK.
45 The cylinder number received by the Control Program is not in the user's range, or an attempt was made to access file record zero. Error detected in module DMSTRK.

Code Meaning
81 No free block is available for allocation. Error detected in module DMSTQQ.
82 A parameter list error occurred. Error detected in module DMSTQQ.

System Action: The system enters a disabled wait state. The user file directory is not updated.

User Action: IPL CMS again. If data on the pack is still good, reissue the command. If the problem persists, contact your system support personnel.

909T PERM I/O ERROR ON 'cuu'. CSW cccccccc cccccccc SENSE ssssssss ssssssss ssssssss ssssssss ssssssss ssssssss.

Explanation: An uncorrectable I/O error has occurred on virtual device address 'cuu'. The CSW bytes at the time of the error are indicated at the lowercase "c" positions and sense data appears at the lowercase "s" positions.

System Action: The system enters a disabled wait state. The user file directory is not updated.

User Action: IPL CMS again. Reissue the command. If the problem persists, contact your system support personnel.

999E NO ft PROCESSOR FOUND

Explanation: The processor module appropriate to the filetype was not found.

System Action: RC = 28
Execution of the command is terminated.

User Action: Correct the filetype and reissue the command.

EDIT Messages

The following messages are issued by the CMS Editor in response to the EDIT command and its subcommands.

nnn LINE(S) CHANGED [, nnn LINE(S) TRUNCATED]

> Explanation: A CHANGE subcommand caused nnn lines to be changed and/or nnn lines to be truncated.

_SAVED

> Explanation: An automatic save (AUTOSAVE) was just performed on the file currently being edited.

AVAILABLE STORAGE IS NOW FULL

> Explanation: The size of the file cannot be increased. Any attempt to add lines produces the message NO ROOM. Other commands are unaffected. Use the FILE subcommand to store what you have already edited on disk. To continue editing, you may temporarily increase the size of your virtual machine by issuing the CP command DEFINE, or split the file into two smaller ones.

EDIT:

> Explanation: This message indicates entry to edit mode. During initialization, if the file identification specified in the EDIT command is found on disk, this is the first response; otherwise, the file is new and the message NEW FILE: precedes the message EDIT:. This message is also displayed:

> • When you enter a null line in edit mode.

> • When you return from CMS subset to edit mode.

> • If verification is on when you enter a null line in input mode.

> • If verification is on when a SAVE subcommand completes execution.

END ZONE SET TO 72

> Explanation: The SERIAL subcommand was issued when the zone setting was within the serialization field. The end zone is reset to column 72.

EOF:

> Explanation: The line pointer is positioned after the bottom line of the file or, if the file is empty, after the null line at the top of the file (subject to the setting of the VERIFY subcommand).

EOF REACHED

> Explanation: The number of lines beyond the starting line specified in a GETFILE subcommand exceeded the end of the indicated file. The lines from the starting line to the end of the file were inserted in the file. When verification is on, the last line inserted is displayed at the terminal.

FILE IS EMPTY

> Explanation: An attempt to SAVE or AUTOSAVE a null file was detected. If the subcommand was FILE, the Editor exits and is erased; if it was SAVE or AUTOSAVE, control returns to edit mode. In either case, the file is not stored on your disk.

FILE NOT FOUND

> Explanation: The file identification specified in a GETFILE subcommand was not found on an auxiliary storage device.

GETFILE IS INCOMPLETE

> Explanation: The available storage was exceeded while attempting to execute a GETFILE subcommand. The last line inserted into the file is displayed at the terminal.

GIVEN STARTING LINE IS BEYOND EOF

> Explanation: The starting line specified in a GETFILE subcommand points beyond the last line of the indicated file.

INPUT:

> Explanation: Indicates entry to input mode; lines entered at the terminal become part of the file.

INVALID LINE NUMBER REFERENCE IN STMNT nnnnn

> Explanation: This message occurs for VSBASIC files only. The line number referenced in statement nnnnn is invalid (not numeric). The old line number is nnnnn. The RENUM subcommand is terminated by the Editor without renumbering the file. To continue, correct statement nnnnn and reissue the subcommand.

INVALID SYNTAX IN STMNT nnnnn

> Explanation: This message occurs with VSBASIC files only. RENUM cannot convert the line number operand in statement nnnnn because of incorrect language usage. The old line number is nnnnn. The RENUM subcommand is terminated by the Editor. To continue, correct the statement in line nnnnn and reissue the command.

INVALID $name PARAMETER LIST

> Explanation: The indicated edit macro was invoked with one or more errors in the subcommand line.

LINE xxxxx REFERENCED IN STMNT nnnnn, NOT FOUND

> Explanation This message occurs for VSBASIC files only. The line number specified as an operand in statement nnnnn was not found. The old line number is nnnnn. The RENUM subcommand is terminated by the Editor. To continue, correct the line number operand xxxxx in statement nnnnn and reissue the command.

MAXIMUM LINE NUMBER EXCEEDED

> Explanation: The RENUM subcommand specified values for "strtno" and "incrno" that would result in a line number that exceeds 99999 for VSBASIC files or 99999999 for FREEFORT files. The RENUM subcommand is terminated by the Editor. To continue, reissue RENUM with proper strtno and incrno values.
>
> This message is also issued for other serialized files if the line number exceeds 99999. The file must be reserialized.

NEW FILE:

> Explanation: The message is issued during Editor initialization if the file identified in the EDIT command is not found on the specified disk. If no filemode was specified with the EDIT command, CMS searches only the A-disk and its extensions.

NO LINES MOVED

> Explanation: The edit macro $MOVE was invoked with number of lines to be moved equal to 0.

NO ROOM

> Explanation: An attempt to enter additional lines to a file was detected after the message AVAILABLE STORAGE IS NOW FULL was displayed. Any stacked lines are cleared to avoid multiple error messages or improper subcommand execution sequences. Use the FILE subcommand to store what you have edited so far on disk. To continue editing, you must either split the file into two smaller files or temporarily increase the storage size of your virtual machine via the CP DEFINE STORAGE command. The maximum virtual storage permitted is determined by the MSTOR value in your directory entry.

NON-NUMERIC CHARACTER IN LINE NUMBER COLUMNS

> Explanation: A nonnumeric character was found in the columns reserved for line numbers. The line pointer identifies the line in error. You should correct or delete the line in error.

NOT FOUND

> Explanation: The search operand specified in the ALTER, CHANGE, FIND, or LOCATE subcommand was not encountered in the delimited range (current ZONE setting), or before the end of the file was reached.

OVERFLOW AT STATEMENT nnnnn

> Explanation: This message occurs with VSBASIC files only. The conversion of the line number operand in statement nnnnn would produce a record exceeding the logical record length. The old line number is nnnnn. The RENUM subcommand is terminated by the Editor; to continue, correct the statement at old line number nnnnn and reissue the subcommand.

READ ERROR - GETFILE IS INCOMPLETE

> Explanation: An unrecoverable error was encountered during the execution of a GETFILE subcommand. The last line inserted into the file is displayed at the terminal.

RECORD LENGTH OF FILE TOO LARGE

> Explanation: The file identification of a GETFILE subcommand indicates a file with a record length greater than the file being edited. The GETFILE subcommand is not executed.

RENUM MODULE NOT FOUND

> Explanation: The RENUM subcommand requires that there be a RENUM module on the system disk. The RENUM subcommand is terminated by the Editor. Your installation system programmer must place the RENUM module on the system disk.

RENUMBER LINES

> Explanation:
>
> 1. The line number prompter cannot proceed because there are no more numbers between the current line number and the line number of the next line already in the file (that is, they differ by one). In LINEMODE RIGHT, the user can turn LINEMODE OFF, issue a SERIAL subcommand, SAVE the file on disk (reserializing it), and finally turn LINEMODE RIGHT on and continue with the editing session.

2. The next line number, 100000000 or 100000, is too large.

3. If you are editing a VSBASIC or FREEFORT file, you can use the RENUM subcommand to renumber your file.

RESERIALIZATION SUPPRESSED

Explanation: Reserialization on a SAVE, AUTOSAVE, or FILE subcommand is suppressed when LINEMODE RIGHT is set so that the numbers used during the editing session are retained. To reserialize, repeat the SAVE, AUTOSAVE, or FILE with LINEMODE OFF set.

SAVED (See "_SAVED".)

SERIALIZATION IS INCOMPLETE

Explanation: During the execution of a SAVE, AUTOSAVE, or FILE subcommand that is serializing a file, the disk becomes full before the last line is written. The partial file is erased and the user is notified of the condition.

SET NEW FILEMODE, OR ENTER CMS SUBSET AND CLEAR SOME SPACE

Explanation: During the execution of a SAVE, RENUM, AUTOSAVE, or FILE subcommand, the disk becomes full before writing the last line of the file. The Editor erases the partial file. To continue, either (1) alter the destination of the edit file with the FMODE subcommand, or (2) enter CMS subset and erase unneeded files to make more room available.

SET NEW FILEMODE AND RETRY

Explanation: An attempt was made to SAVE, AUTOSAVE, or FILE a file on a disk that is read-only or not accessed. You may reissue the subcommand specifying the filemode of a read/write disk; or, if you do not have a read/write disk active, you may enter the CMS subset environment by issuing the subcommand CMS, then issue the ACCESS command to gain access to a disk in read/write status, and then return to the edit environment by issuing the RETURN command.

If you are using a VSBASIC file and issued a RENUM subcommand, you must access the disk you specified in read/write status for the subcommand to operate. The RENUM subcommand is terminated by the Editor without renumbering the file. To continue, use the FMODE subcommand to direct the file to a read/write disk and reissue the RENUM subcommand.

This message is also issued if you use FMODE subcommand specifying an access-mode letter not in the range A-G, S, Y, or Z, or an access-mode number that is greater than 5.

SET NEW FILENAME AND RETRY

Explanation: During the execution of a SAVE, AUTOSAVE, or FILE subcommand, an error occurred while altering the name of the CMS work file. You can now institute recovery procedures, since the Editor returns to edit mode. The work file remains. It should be erased, and a different file identification for a subsequent SAVE, AUTOSAVE, or FILE subcommand should be specified.

STACKED LINES CLEARED

Explanation: Multiple subcommands were detected after a failure to increase the file size when the Editor had indicated NO ROOM. This message is also displayed when an abnormal exit from edit mode occurs (to preserve the CMS command environment from stacked EDIT subcommands), or when an error is encountered in executing an edit macro.

STACKED LINES CLEARED BY $name

Explanation: When the named edit macro (such as $MOVE) is invoked, any stacked lines are cleared by the macro before its execution. This message also occurs when an edit macro is issued when the current line pointer is at the top of the file or the end of the file. When an edit macro is issued with the current line pointer at any other point in the file, the message does not occur unless lines are stacked in the console stack.

STRING NOT FOUND, NO DELETIONS MADE

Explanation: The specified character string has not been found by the end of the file. No deletions have been made, and the current line pointer remains unchanged.

TOF:

Explanation: The current line pointer is positioned at the null line at the top of the file. This message appears either after the TOP subcommand has been issued or after any other EDIT subcommand has positioned the line pointer at the null line at the beginning of the file.

TOO MANY LINES TO MOVE

Explanation: The $MOVE edit macro was invoked with the number of lines to be moved greater than 25.

TOO MANY LINES TO STACK

    <u>Explanation</u>: During initialization, the parameter of the STACK subcommand implies a storage requirement in excess of that reserved for the execution of the subcommand. The limit is 25 lines.

TRUNC SET TO 72

    <u>Explanation</u>: The SERIAL subcommand was issued and the truncation column was set within the serialization field. The truncation column is reset to column 72.

TRUNCATED

    <u>Explanation</u>: The current line has exceeded the truncation column. If verification is on, the truncated line is displayed, followed by the message INPUT: (if in input mode).

WRONG FILE FORMAT FOR LINEMODE RIGHT

    <u>Explanation</u>: The LINEMODE RIGHT option is not compatible with variable-length files or files that have a fixed record length other than 80.

WRONG FILE FORMAT FOR RENUM

    <u>Explanation</u>: The filetype of the file you are editing is not VSBASIC or FREEFORT, or the Editor detected an invalid line number. For VSBASIC files, the line number must be the first five characters of the record. For FREEFORT files, the line number must be the first eight characters of the record. The RENUM subcommand is terminated by the Editor without renumbering the file. To continue, correct the line number or filetype and reissue the RENUM subcommand.

WRONG FILE FORMAT FOR SERIALIZATION

    <u>Explanation</u>: The SERIAL subcommand was issued for a variable-length file or for a file that does not have a fixed record length of 80.

ZONE ERROR

    <u>Explanation</u>: The string specified in a CHANGE subcommand is too long for the current zone specification. The file is not changed.

    <u>Explanation</u>: Same as ?EDIT:, but the input line is not displayed because the SHORT subcommand is in effect.

    <u>Explanation</u>: Same as ?EDIT:, but is displayed when an invalid edit macro is issued and the SHORT subcommand is in effect.

?EDIT:

    <u>Explanation</u>: An unrecognizable EDIT subcommand or invalid subcommand operand was encountered. The input line is displayed for inspection. This form is used if the LONG subcommand is in effect.

DMSBWR170S DISK 'mode (cuu)' IS FULL

    <u>Explanation</u>: CMS issues this message if the output disk becomes full during execution of a FILE, SAVE, RENUM, or AUTOSAVE subcommand becomes full. The subcommand is terminated by the Editor, erases the work file (which is incomplete), and requests the user to specify a new filemode or make more room on the disk.

EXEC

EXEC Messages

The EXEC interpreter generates two error
messages, the descriptions of which are found in
the "Conversational Monitor System (CMS)
Messages" section.

DMSEXC001E NO FILENAME SPECIFIED

DMSEXT072E ERROR IN EXEC FILE fn, LINE nn -
           error description

DEBUG Messages

INCORRECT DEBUG EXIT

For the GO subcommand, this message indicates that the subcommand was issued without an operand, but an operand was required because the debug environment was entered by issuing the DEBUG command.

For the RETURN subcommand, this message indicates that RETURN was not the proper subcommand to use, because the debug environment was entered due to a breakpoint, a program or external interrupt, or an unrecoverable error. To exit from the debug environment under these circumstances, issue the GO subcommand (no operand is necessary).

Issued by: GO, RETURN

INVALID OPERAND

For the BREAK subcommand, this message indicates that the breakpoint identification number specified in the first operand is not a decimal number between 0 and 15 inclusive, or the second operand cannot be located in the debug symbol table and is not a valid hexadecimal number. If the second operand is intended to be a symbol, a DEFINE subcommand must have been previously issued for that symbol; if not, the operand must be a valid hexadecimal storage location.

For the DEFINE subcommand, this message indicates that the name specified in the first operand contains all numeric characters, the second operand is not a valid hexadecimal number, or the third operand is not a decimal number between 1 and 56 inclusive.

For the DUMP subcommand, this message is issued if the address specified by the second operand is less than that specified by the first operand, or if the first or second operands cannot be located in the debug symbol table and are not valid hexadecimal numbers. If either operand is intended to be a symbol, a DEFINE subcommand must previously have been issued for that symbol; if not, the operand must specify a valid hexadecimal location.

For the GO or ORIGIN subcommand, a specified operand cannot be located in the debug symbol table and is not a valid hexadecimal number. If the operand is intended to be a symbol, a DEFINE subcommand must have been previously issued for that symbol; if not, the operand must specify a valid hexadecimal location.

For the GPR subcommand, the operand(s) specified are not decimal numbers between 0 and 15 inclusive, or the second operand is less than the first.

For the SET subcommand, the first operand is not CAW, CSW, PSW, or GPR, or the first operand is GPR and the second operand is not a decimal number between 0 and 15 inclusive, or one or more of the hexinfo operands does not contain hexadecimal information.

For the STORE subcommand, the first operand cannot be located in the debug symbol table and is not a valid hexadecimal number, or the information specified in the second, third, or fourth operands is not in hexadecimal format. If the first operand is intended to be a symbol, a DEFINE subcommand must have been previously issued for that symbol; if not, the operand must specify a valid hexadecimal storage location.

For the X subcommand, the first operand cannot be located in the debug symbol table and is not a valid hexadecimal number, or the second operand is not a decimal number between 1 and 56 inclusive. If the first operand is intended to be a symbol, it must have been defined in a previous DEFINE subcommand; otherwise, the operand must specify a valid hexadecimal number.

Issued by: BREAK, DEFINE, DUMP, GO, GPR, ORIGIN, SET, STORE, X

INVALID STORAGE ADDRESS

For the DEFINE, DUMP, GO, STORE, or X subcommand, the sum of the current origin and the hexadecimal location specified in the subcommand is greater than the user's virtual storage size. If the current origin size is unknown, reset it to the desired value by issuing the ORIGIN subcommand, and then reissue the subcommand.

For the GO subcommand, this message may also indicate that the address at which execution is to begin is not on a halfword boundary (indicating that an operation code is not located at that address).

For the ORIGIN subcommand, the address specified is greater than the user's virtual storage size.

Issued by: DEFINE, DUMP, GO, ORIGIN

INVALID STORAGE REFERENCE

The location indicated by the second operand is uneven (not on a halfword boundary) or the sum of the second operand and the current origin value is greater than the user's virtual storage size. If the current origin value is unknown, it may be reset to the desired value by issuing the ORIGIN subcommand.

Issued by: BREAK

DEBUG

MISSING OPERAND

    The user did not enter the minimum number of operands required by the subcommand.

    Issued by: BREAK, DEFINE, GPR, ORIGIN, SET, STORE, X

TOO MANY OPERANDS

    The user entered more operands than the subcommand required.

    Issued by: BREAK, CAW, CSW, DEFINE, GO, GPR, ORIGIN, HX, PSW, RETURN, SET, STORE, X

16 SYMBOLS ALREADY DEFINED

    The debug symbol table is full and no new symbols can be defined until the current definitions are cleared by obtaining a new copy of CMS. However, an existing symbol can be assigned to a new storage location by issuing another DEFINE subcommand for that symbol.

    Issued by: DEFINE

Remote Spooling Communications Subsystem (RSCS) Messages

000I RSCS (VER v, LEV 1, mm/dd/yy) READY

Explanation: This message signals the completion of RSCS initialization, including the activation of the AXS and LAX tasks. VER v and LEV 1 specify the version and level of RSCS that is in use. mm/dd/yy specifies the date on which the RSCS in use was generated.

System Action: The system begins normal processing by accepting files and commands.

Operator Action: Normally, one or more links are activated at this time.

001I FREE STORAGE = nn PAGES

Explanation: The amount of available storage has increased as the result of normal system processing. The new number of available free pages is given as "nn".

System Action: Normal processing continues.

Operator Action: You may use this information in deciding whether to activate a previously inactive link.

002I LINK linkid DEACTIVATED

Explanation: The link identified by "linkid" has been deactivated as a result of the execution of a previous DRAIN command, or as the result of an orderly shutdown following a terminal line-driver error. The link remains inactive until it is activated again by an explicit command.

System Action: The link's line-driver task is deleted from the system, all storage allocated to the task is made free, and the link table entry is updated.

Operator Action: None.

003I LINK linkid EXECUTING: (command line text)

Explanation: The RSCS command described by (command line text) has been forwarded by a remote station for local execution. The link for the remote station forwarding the command is identified by 'linkid'.

System Action: The command is executed, and the resulting response is returned to the originating link, to be sent back to the remote station.

Operator Action: None.

070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw

Explanation: This message is issued by any task in RSCS that detects an uncorrectable hardware or system error during the processing of an I/O operation. The causes of such an error vary, depending on the particular device type and command code.

cuu   - the virtual device address of the I/O device on which the error occurred.

cc   - the condition code resulting from the issuing of the SIO command on the device for the operation which was in error.

csw   - the composite CSW associated with the operation in error. The composite CSW is a logical ORing of the CSW information associated with the SIO or the interrupts from the device while the I/O operation was active.

sense   - the sense information associated with the I/O operation in error if the I/O operation ends with unit check set on.

ccw   - the first CCW of the I/O operation in error if it failed to start, or the last CCW fetched by the channel before the I/O operation terminated with an error indication.

System Action: The error is logged, and appropriate recovery procedures are taken. The exact effect of the I/O error condition depends on the existing conditions when it occurs. The system may continue processing normally, the link may be automatically deactivated, or RSCS may shut down.

Operator Action: This message indicates a serious system or hardware error. Call IBM for hardware or system support.

091T INITIALIZATION FAILURE -- RSCS SHUTDOWN

Explanation: An unrecoverable error occurred during the initial loading of the supervisor components, MSUP, REX, AXS, and LAX.

System Action: A virtual storage dump is automatically taken, and a masked-off wait state PSW is loaded, system operation is terminated.

Operator Action: This message indicates a serious error. Notify system support personnel.

101I FILE spoolid ENQUEUED ON LINK linkid

Explanation: This message is issued when
the file identified by "spoolid" has
arrived at the RSCS virtual machine, and
has been successfully accepted and enqueued
on the link identified by "linkid". This
message is also issued when a previously
pending file is accepted after a tag slot
has become available.

System Action: The newly accepted file is
made available to the link's line driver
for future transmission. If the line
driver is waiting for a file to transmit,
it is notified that the new file is
available.

Operator Action: None.

102I FILE spoolid PENDING FOR LINK linkid

Explanation: The file identified by
"spoolid" has arrived at the RSCS virtual
machine, but has not been enqueued on the
link "linkid" to which it is addressed,
because no tag slot is available.

System Action: The link's pending count is
incremented, and the file is accepted when
a tag slot becomes available.

Operator Action: None.

103E FILE spoolid REJECTED -- INVALID
DESTINATION ADDRESS

Explanation: The file identified by
"spoolid" has arrived at the RSCS virtual
machine with a missing or invalid
destination address in the file's tag.

System Action: The improperly addressed
file is automatically purged from the
system, and the originating virtual machine
user is notified.

Operator Action: The file to be transmitted
must be regenerated with a correct
destination address in the file tag
setting.

104I FILE SPOOLED TO userid2 -- ORG locid1
(name1) mm/dd/yy hh:mm:ss

Explanation: A file has been received from
a remote location, acknowledged, written to
the VM/370 spool system, closed, and
spooled to the local virtual machine to
which the file was addressed.

userid2 – the ID of the local virtual
machine to which the file has
been spooled.
locid1 – the ID of the location of the
file's originator.
name1 – the name of the file
originator's system or device at
the remote location.

mm/dd/yy – the date of the file's
origination at the remote
location.
hh:mm:ss – the time of day of the file's
origination at the remote
location.

System Action: The virtual output device
used to process the file is detached and
normal processing continues.

Operator Action: None.

105I FILE spoolid PURGED

Explanation: The file identified by
"spoolid" has been purged from the system
as a result of normal processing.

System Action: The file's virtual storage
tag is dequeued and its slot is freed. If
another file is pending, it is accepted.
All system tables are updated, and normal
processing continues.

Operator Action: None.

106I FILE spoolid MISSING -- DEQUEUED FROM LINK
linkid

Explanation: The file identified by
"spoolid" could not be located in the RSCS
virtual machine spool input file queue
during an attempt to open the file for the
link identified by "linkid". This
situation usually results from users
retrieving files that had previously been
spooled to the RSCS virtual machine and
accepted by the spool file access routine.

System Action: The file's virtual storage
tag is dequeued and its slot is freed. If
another file is pending, it is accepted.
The link table entry is updated, and normal
processing continues.

Operator Action: No action is necessary.
This message does not indicate an error
condition.

107I nn PENDING FILES FOR LINK linkid MISSING

Explanation: A number (nn) of pending files
for the link identified by 'linkid' have
been found to be missing from the RSCS
virtual machine spool input queue during an
attempt to accept a pending file. This
situation usually results from users
retrieving files that had been previously
spooled to the RSCS virtual machine and
left pending on the link.

System Action: The link table entry is
updated to reflect the proper pending file
status, and normal processing continues.

Operator Action: No action is necessary.
This message does not indicate an error
condition.

108E SYSTEM ERROR READING SPOOL FILE spoolid

Explanation: A return code reflecting a VM/370 system error has been received in response to a read to the file identified by "spoolid".

System Action: The error is logged and the failing operation is retried up to ten times. If a retry is successful, normal processing continues. If the error persists, an attempt is made to purge the file and a message to that effect is issued to the operator and to the originating virtual machine.

Operator Action: This message indicates a VM/370 system error. Call your system support personnel.

141I LINE vaddr READY FOR CONNECTION TO LINK linkid

Explanation: This message is issued by a line driver to inform the operator that the line identified by "vaddr" is being enabled for communications processing to the link identified by "linkid". Normally, this is the first message issued by a line driver after link activation, and it may be issued during active processing after a line becomes disabled.

System Action: The line driver begins an enable operation on the line and waits for completion, signaling a completed connection. If the line identified by "vaddr" is a nonswitched line, the connection completes automatically. Normal processing continues.

Operator Action: No response is needed if the line identified by "vaddr" is a nonswitched line, or if it is a switched line with auto-answer and the remote station is to complete the connection. If the line is a switched line, the operator should ensure that the necessary steps are taken to complete the connection to the link identified by "linkid" (for example, manual dialing of the associated data-phone).

142I LINK linkid LINE vaddr CONNECTED

Explanation: This message signals completion of the line connection for the link identified by "linkid" on the line port address identified by "vaddr". This message is issued automatically when a nonswitched line is enabled, and it is issued when a connection is completed for a switched line. This message does not necessarily mean that any successful interaction with the remote station has taken place on the connected line.

System Action: Normal link processing begins. If a file queue exists on the link, and if there are files eligible for transmission, the file transmission begins automatically. File receiving from the remote station begins automatically.

Operator Action: None.

143I LINK linkid LINE vaddr DISCONNECTED

Explanation: The virtual line port address identified by "vaddr" and associated with the active link identified by "linkid" was connected and is now disconnected. This may be the result either of an apparent line disconnection due to line errors, or of the remote station hanging up, or of the execution of a disabling sequence by the local line driver. This message does not mean that the associated link has been deactivated, but the message is normally issued during the process of link deactivation.

System Action: If the link is not in the process of deactivating, an attempt is made to re-establish the line connection. File processing is halted on the link until a line connection is reestablished.

Operator Action: None.

144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)

Explanation: Reception of a new file from the remote location identified by "locid1" and the system or device name at that location identified by "name1" (if any) has begun. The file being received is destined for the location identified by "locid2" and the virtual machine at that location identified by "userid2" (if any).

System Action: File processing continues, and the new file is written to the VM/370 spool system as it is received.

Operator Action: None.

145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)

Explanation: A new file has been completely received and acknowledged from the remote location identified by "locid1" and the system or device at that location named "name1". The file received is destined for the location identified by "locid2" and the virtual machine at that location identified by "userid2".

System Action: If the file is destined for the local location, and for a particular virtual machine at the location, it is automatically spooled to that virtual machine. Normal file processing continues.

Operator Action: None.

146I SENDING: FILE spoolid ON LINK linkid, REC
nnnnnn

Explanation: Transmission of the file
identified by "spoolid" on the link
identified by "linkid" has begun during
normal file processing. The identified
file contains nnnnnn records, and the file
has become active.

System Action: Transmission of the file
continues to completion, or until it is
stopped by some other event.

Operator Action: None.

147T SENT: FILE spoolid ON LINK linkid

Explanation: Transmission of the active
file identified by "spoolid" on the link
identified by "linkid" has been
successfully completed and acknowledged by
the remote station.

System Action: Disposition of the
identified file follows, according to the
status of the file. The file may be
purged, repeated, or held for future
retransmission. Normal link processing
continues.

Operator Action: None.

149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS=
nnn; TMOUTS= ppp

Explanation: This message is issued
occasionally when trace mode has been set
for the link identified by "linkid". The
message is issued when one of the trace
values reaches the predefined incremental
threshold, depending on the active trace
option setting.

mmm   - the total number of communication
         line transactions that have taken
         place since the last similar
         message was issued, or since the
         trace mode was set.
nnn   - the total number of communication
         line transactions that have ended
         with a line error indication
         since the last similar message
         was issued, or since the trace
         mode was set.
ppp   - the total number of time-outs
         that have occurred while waiting
         for response from the remote
         station since the last similar
         message was issued, or since the
         trace mode was set. A time-out
         is not counted as a line
         transaction.

System Action: Normal processing continues.

Operator Action: Depending on the data
reported in the message, you may choose to
intervene with a command to deactivate the
link, or you may try to hang up the line
and reestablish it to reinitialize
communication.

160I LINE vaddr DISABLED FOR LINK linkid

Explanation: Line processing by the link
identified by "linkid" on the line
identified by "vaddr" has been terminated,
and the line has been disconnected if it is
a switched line. This message may be
issued during normal processing as a result
of a spontaneous line disconnection. It is
always issued during the process of link
deactivation.

System Action: If link deactivation is in
process, it continues normally. Otherwise,
an attempt is made to reconnect the line.
File processing for the link is suspended.

Operator Action: None.

170I FROM linkid: (MSG message text)

Explanation: The character string included
in the message as (MSG message text) has
been received on the link identified by
'linkid' as the operand of a remote MSG
command.

System Action: Normal link processing
continues.

Operator Action: A response may be
suggested by the MSG character string.

190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid

Explanation: VM/370 spool control or data
information associated with the file
identified by "spoolid" has been found to
be in error at the local installation.

System Action: The error condition is
logged, the identified file is
automatically purged from the system, and
link processing continues.

Operator Action: This message indicates a
system error at the local installation.
Notify system support personnel.

200I RSCS

Explanation: A null line was entered as a
console command. A null line is a line
that contains no characters. If a line
containing characters is edited to a null
line, this message is not issued, and
another read is automatically started on
the console.

System Action: Normal processing continues.

Operator Action: None.

201E INVALID COMMAND command

Explanation: The specified command is not a
valid RSCS command.

System Action: The command is ignored, and
normal processing continues.

Operator Action: Correct and reissue the
command.

202E INVALID LINK linkid

Explanation: The specified linkid was not
in the proper format for RSCS link IDs (one
to eight alphameric characters).

System Action: The command is ignored, and
normal processing continues.

Operator Action: Reissue the command line
with a valid linkid.

203E INVALID SPOOL FILE ID spoolid

Explanation: The specified spoolid was not
in the proper format for VM/370 spool file
IDs (one to four decimal digits from 1
through 9910).

System Action: The command is ignored, and
normal processing continues.

Operator Action: Reissue the command with a
valid spoolid.

204E INVALID KEYWORD keyword

Explanation: The specified keyword is not a
valid keyword for the command issued. The
correct format of RSCS console commands,
including valid keywords, can be found in
the VM/370 Remote Spooling Communications
Subsystem (RSCS) User's Guide.

System Action: The command is ignored, and
normal processing continues.

Operator Action: Reissue the command with a
valid keyword.

205E CONFLICTING KEYWORD keyword

Explanation: The specified keyword was used
in an invalid way. It may have been
entered more than once in the same command
line, or it may conflict with another
keyword.

System Action: The command is ignored, and
normal processing continues.

Operator Action: Correct and reissue the
command.

206E INVALID OPTION keyword option

Explanation: The specified keyword and
option combination is not a valid
combination for the command issued. The

format of RSCS commands, including valid
keyword-and-option combinations, can be
found in the VM/370 Remote Spooling
Communications Subsystem (RSCS) User's
Guide.

System Action: The command is ignored, and
normal processing continues.

Operator Action: Correct and reissue the
command.

207E CONFLICTING OPTION keyword option

Explanation: The specified keyword and
option conflict. Another keyword or
keyword-and-option combination in the same
command may have invalidated the specified
keyword-and-option combination.

System Action: The command is ignored, and
normal processing continues.

Operator Action: Correct and reissue the
command.

208E INVALID USER ID userid

Explanation: The specificed virtual machine
userid is invalid.

System Action: The command is ignored, and
normal processing continues.

Operator Action: Reissue the command with a
valid userid.

300I ACCEPTED BY TASK task

Explanation: The preceding console command
has been processed by the CMX syntax
scanner and first level semantic processor,
and a command element has been built. That
command element has been made available to
the task named "task", and that task has
accepted the command element for second
level semantic processing.

System Action: Command semantic processing
continues at the task named "task".
Further response to the command is issued
from that task. The command processor is
then ready to accept another console
command.

Operator Action: None.

301E REJECTED BY TASK task -- PREVIOUS COMMAND
ACTIVE

Explanation: The preceding console command
has been processed by the CMX syntax
scanner and first level semantic processor.
A command element was built and made
available to the task named 'task', but
that task was unable to accept the command
element for further processing because a
previously issued command is still being
processed.

System Action: The command execution is terminated, the command has no effect, and normal processing continues.

Operator Action: Reissue the command when the active command processing has completed.

302E LINK linkid IS NOT DEFINED

Explanation: The specified linkid is syntactically valid, but no such link is defined with that ID and the command issued requires a defined linkid.

System Action: The command execution is terminated, the command has no effect, and normal processing continues.

Operator Action: Check to see if the linkid specified is valid. If it was incorrectly typed, reissue the command with a correct linkid. If it was correctly typed, you must define the specified link before the command can be executed.

303E LINK linkid IS NOT ACTIVE

Explanation: The link identified by "linkid" was specified in the preceding command, but the link is inactive and the command requires specification of an active link.

System Action: The command execution is terminated, the command has no effect, and normal processing continues.

Operator Action: Activate the specified link and reissue the command.

304E REJECTED BY TASK task -- NOT RECEIVING

Explanation: Processing of the preceding command could not be completed, because the second level processing task named "task" failed to accept the command service request.

System Action: The command is ignored, and normal processing continues.

Operator Action: Repeated occurrences of this message indicate a system error. Notify system support personnel.

402T IPL DEVICE READ I/O ERROR

Explanation: An uncorrectable I/O error occurred while reading the RSCS nucleus from a DASD.

System Action: A wait state PSW is loaded with a wait state code of X'40C9D5C9' (C' INI').

User Action: Call your installation support personnel.

406R SYSTEM DISK ADDRESS = cuu

Explanation: "cuu" designates the device address of the RSCS system disk. If the RSCS nucleus is written on this disk (which will occur if you respond "yes" to message DMTINI407R), then cuu is also the IPL device address.

System Action: The system waits for a response. If you enter an invalid device address, message

DMTINI479E INVALID DEVICE ADDRESS - REENTER

is issued. Message DMTINI406R is reissued and you may enter a valid device address. If you press carriage return, 191 is assumed to be the system disk address.

If the system disk designated is not currently defined, is not in read/write status, or is an unsupported device type, message

DMTINI482E SYSTEM DISK ERROR - REENTER

is issued. Message DMTINI406R is then reissued. At this time, you may enter CP mode by signaling attention, and determine the status of the designated device by entering the CP command

QUERY VIRTUAL cuu

and take the corrective action necessary to define the device for your virtual machine or to access it in read/write status. Reenter the CMS environment by issuing the CP command

BEGIN

You must then reenter the device address.

Once the system disk address is accepted, message DMTINI407R is issued.

User Action: Enter a valid device address.

407R REWRITE THE NUCLEUS? {YES|NO}

Explanation: This message prompts you to specify whether or not the copy of the RSCS nucleus is to be written onto disk.

System Action: The system waits for a response.

User Action: Enter "yes or "no."

If you enter "yes", message DMTINI409R is issued, prompting you to specify the cylinder on the system disk on which the RSCS nucleus is to be written. The system disk is the disk you specified in response to message DMTINI406R.

If you enter "no", the remaining questions in generating a new RSCS nucleus are

skipped and control is passed to the RSCS initialization routine. A copy of the RSCS nucleus is not written onto disk.

If you fail to enter either "yes" or "no", the message

    DMTINI481E INVALID REPLY - ANSWER "YES"
             OR "NO"

is issued. Message DMTINI407R is reissued and you may enter a valid response.

409R NUCLEUS CYL ADDRESS = nnn

Explanation: "nnn" designates the cylinder on the device entered in response to message DMTINI406R on which the RSCS nucleus is to be written. nnn must be between 001 and m-1, where m equals the number of cylinders on the disk, the cylinders on a disk being numbered from 0 to m. nnn must be entered in decimal.

System Action: If you do not enter a valid decimal cylinder number, the message

    DMTINI480E INVALID CYLINDER NUMBER -
             REENTER

is issued, message DMTINI409R is reissued, and you may enter a valid cylinder number.

If the cylinder specified is not greater than the number of cylinders already in use on the device (as indicated in the Master File Directory), then the message

    DMTINI483E NUCLEUS WILL OVERLAY FILES -
             RECOMPUTE

is issued. Message DMTINI409R is reissued. You may respond with a larger cylinder number, or IPL the RSCS system and format the specified IPL device with the RECOMP option.

Once the nucleus cylinder address is accepted, message DMTINI410R is issued.

User Action: Enter a valid cylinder address.

410R ALSO IPL CYLINDER 0? (YES|NO)

Explanation: The initial IPL text is always written on the same cylinder as the RSCS nucleus, that is, the cylinder designated in response to message DMTINI409R. (The initial IPL text is a bootstrap program that reads in the nucleus from the designated cylinder.) If it is not also written on cylinder 0, you must enter the cylinder number whenever an IPL is issued for the system being generated. For more information, see the IPL command in the _VM/370 CP Command Reference for General Users_.

System Action: If you do not enter "yes" or "no", the message

    DMTINI481E INVALID REPLY - ANSWER "YES"
             OR "NO"

is issued. Message DMTINI410R is reissued and you may enter a valid response.

If you answer "yes," the initial IPL text is written on cylinder 0 as well as on the cylinder designated in response to message DMTINI409R.

If you answer "no," the initial IPL text is written only on the cylinder designated in response to message DMTINI409R.

User Action: Enter "yes" or "no."

431S IPL DEVICE WRITE I/O ERROR

Explanation: An uncorrectable I/O error occurred while writing the nucleus.

System Action: The system continues as if the user had responded "no" to DMTINI407R.

User Action: Make sure that the nucleus cylinder number is not larger than the size of the disk. If it is, perform an IPL and specify the correct cylinder number. If it is not, call your installation support personnel.

479E INVALID DEVICE ADDRESS - REENTER

Explanation: The device address entered was specified incorrectly; that is, it is not a valid hexadecimal character or is not in the range of X'001' to X'6FF'.

System Action: Message DMTINI406R is reissued.

User Action: See DMTINI406R.

480E INVALID CYLINDER NUMBER - REENTER

Explanation: The value entered was not a valid decimal number.

System Action: Message DMTINI409R is reissued.

User Action: See DMTINI409R.

481E INVALID REPLY - ANSWER "YES" OR "NO"

Explanation: The only valid response to the query is "yes" or "no". Neither was entered.

System Action: Message DMTINI407R or DMTINI410R is reissued.

User Action: See DMTINI407R or DMTINI410R.

482E SYSTEM DISK - REENTER

> Explanation: Either the device is not
> currently defined, it is not in read/write
> status, or it is an unsupported device
> type.
>
> System Action: Message DMTINI406R is
> reissued.
>
> User Action: See DMTINI406R.

483E NUCLEUS WILL OVERLAY CMS FILES - RECOMPUTE

> Explanation: The specified nucleus cylinder
> number was not greater than the number of
> cylinders indicated in the Master File
> Directory for the IPL device.
>
> System Action: Message DMTINI409R is
> reissued.
>
> User Action: Respond to DMTINI409R with a
> larger cylinder number or IPL RSCS and
> format the specified IPL device with the
> RECOMP option.

510I FILE spoolid BACKSPACED

> Explanation: The file identified by
> "spoolid" has been backspaced according to
> the request in a preceding command.
>
> System Action: File transmission continues,
> beginning from the new file position.
>
> Operator Action: None.

511E NO FILE ACTIVE ON LINK linkid

> Explanation: A command was issued that
> operates on a file being actively
> transmitted on the link identified by
> "linkid", but no file was being actively
> transmitted on the link.
>
> System Action: Normal link processing
> continues, and the command has no effect.
>
> Operator Action: None.

520I FILE spoolid CHANGED

> Explanation: The file identified by
> "spoolid" has been altered as requested in
> the processing of the preceding command.
> The new file status remains in effect until
> it is changed again through an explicit
> request.
>
> System Action: All appropriate action
> implied by the changed status is performed.
> This might include reordering a link queue
> if a file priority was changed, notifying a
> waiting line driver if a file class was
> changed, and so on. Normal processing
> continues.
>
> Operator Action: None.

521I FILE spoolid HELD FOR LINK linkid

> Explanation: The file identified by
> 'spoolid' has been placed in hold status as
> the result of processing of the preceding
> command. The file remains in hold status
> and is not transmitted until it is
> explicitly removed from hold status by a
> command.
>
> System Action: The file's virtual storage
> tag is updated, and normal processing
> continues.
>
> Operator Action: None.

522I FILE spoolid RELEASED FOR LINK linkid

> Explanation: The file identified by
> "spoolid" and enqueued on the link
> identified by "linkid" has been released
> from hold status as a result of the
> processing of the preceding command. The
> file is now eligible for transmission on
> the link.
>
> System Action: The file's virtual storage
> tag is updated, and the link's line driver
> is asynchronously notified of the file's
> availability for transmission if the line
> driver had been waiting for a file to
> transmit. Normal processing continues.
>
> Operator Action: None.

523I LINK linkid QUEUE REORDERED

> Explanation: The file tag queue in RSCS
> virtual storage for the link identified by
> "linkid" has been reordered in response to
> execution of a command. The new order of
> the queue defines the order of file
> transmission on the link.
>
> System Action: The files reordered to the
> beginning of the queue are automatically
> given a priority of zero (highest), and
> normal processing continues.
>
> Operator Action: None.

524E FILE spoolid ACTIVE -- NO ACTION TAKEN

> Explanation: The file identified by
> "spoolid" is actively being read and
> transmitted on a link, and the action
> requested in the preceding command cannot
> be performed on active files.
>
> System Action: The preceding command has no
> effect, and normal processing continues.
>
> Operator Action: If you wish, you can
> deactivate the file by means of a FLUSH
> command with the HOLD operand, and reissue
> the command when that has been
> accomplished.

525E FILE spoolid IS FOR LINK linkid -- NO ACTION TAKEN

Explanation: The file identified by "spoolid" is enqueued on the link identified by "linkid", which is different from the linkid specified in the preceding command.

System Action: The action requested in the preceding command is not performed, and normal processing continues.

Operator Action: Verify that the specified spool file id and link id are correct. If an error is found, reissue the preceding command.

526E FILE spoolid NOT FOUND -- NO ACTION TAKEN

Explanation: The file identified by "spoolid" has not been accepted and enqueued by RSCS. The action requested by the preceding command could not be performed.

System Action: The preceding command has no effect, and normal processing continues.

Operator Action: Verify the spool file ID used in the preceding command. If it was incorrect, the command may be reissued with a correct spool file id. If it was correct, and the file is pending at the RSCS virtual machine, the file may be manipulated through the use of VM/370 spooling commands.

530I COMMAND FORWARDED ON LINK linkid

Explanation: In response to a command, a character string has been transmitted as a remote command on the link identified by "linkid".

System Action: Normal link processing continues.

Operator Action: None.

540I NEW LINK linkid DEFINED

Explanation: The link identified by "linkid" is now defined as the result of command processing, according to the specified keyword options.

System Action: The newly defined link may have spool files enqueued on it automatically, and can be activated to begin remote processing.

Operator Action: Users can begin to address files to the newly defined link for future transmission.

541I LINK linkid REDEFINED

Explanation: The previously defined link, identified by "linkid", has had its definition changed as the result of command processing, according to the specified keyword options.

System Action: The changes in the link definition become effective immediately.

Operator Action: None.

542E LINK linkid ACTIVE -- NOT REDEFINED

Explanation: The previously defined link, identified by "linkid", has not been changed because the link was active at the time of command processing.

System Action: The command execution is terminated, the command has no effect, and normal processing continues.

Operator Action: Reissue the command after the link has been deactivated.

543E LINK linkid NOT DEFINED -- LINK LIMIT REACHED

Explanation: An attempt was made to define a new link, but the maximum allowable number of defined links had already been reached.

System Action: The command execution is terminated, the command has no effect, and normal processing continues.

Operator Action: Check the command line to see if it was accurately typed. If an existing link definition was to have been altered, correct and reissue the command. If a new link was to be defined, another link must be temporarily deleted from the list of valid linkids (via the RSCS DELETE command) before the command can be successfully retried.

544E LINK linkid NOT DEFINED -- TYPE NOT SPECIFIED

Explanation: The preceding DEFINE command failed because a default line driver type was not specified.

System Action: The command is ignored, and normal processing continues.

Operator Action: Reissue the command, specifying a default line driver type.

550I LINK linkid NOW DELETED

Explanation: The previously defined link, identified by "linkid", is now temporarily deleted as a result of command processing.

System Action: Spool files addressed to the deleted link's location ID are no longer

accepted, and are rejected as invalidly addressed. The deleted link can no longer be activated.

Operator Action: Users can no longer address files to the deleted link.

551E LINK linkid ACTIVE -- NOT DELETED

Explanation: An attempt was made to temporarily delete the link identified by "linkid" from the list of valid linkids (via the RSCS DELETE command). The attempt was unsuccessful because the specified link was active at the time of command processing.

System Action: The link remains defined and active, the command has no effect, and normal processing continues.

Operator Action: Reissue the command when the link is deactivated.

552E LINK linkid HAS A FILE QUEUE -- NOT DELETED

Explanation: An attempt was made to temporarily delete the link identified by "linkid" through a console command. The attempt was unsuccessful because the specified link had at least one file enqueued on it at the time of command processing.

System Action: The link remains defined, the command has no effect, and normal processing continues.

Operator Action: Before the link can be deleted, all files enqueued on it and pending for it must be purged, either by console command execution or by normal file transmission.

560I RSCS DISCONNECTING

Explanation: The RSCS virtual machine console is disconnected as a result of command execution. If an alternate virtual machine was specified to receive RSCS output messages, that virtual machine begins receiving the console messages through the VM/370 MSG function. If no alternate virtual machine was specified to receive RSCS console messages, those messages are discarded.

System Action: RSCS continues processing normally without a main operator console.

Operator Action: The RSCS main virtual machine console can be reinstated by issuing a console attention and performing the logon routine.

561E USERID userid NOT RECEIVING

Explanation: An attempt has been made to disconnect the main RSCS virtual operator

console with a secondary virtual machine ID identified by "userid" specified to receive RSCS console output messages. The specified virtual machine either was not receiving messages or was not logged on at the time of command processing.

System Action: The command processing is terminated, the command has no effect, and normal processing continues.

Operator Action: The command can be reissued with a different virtual machine ID specified, or with no virtual machine ID specified. The same virtual machine ID can be specified after it has been logged on and set to receive messages.

570I LINK linkid NOW SET TO DEACTIVATE

Explanation: In response to the DRAIN command, the link identified by 'linkid' has set drain mode and is deactivated. If the RSCS operator issues the START command before the link is deactivated, processing continues on the link.

System Action: The line driver takes appropriate action to quiesce line activity. This includes the finishing of transmission for an active file if one exists, and it may include the signaling to the remote station of an impending termination. No new files are activated while the link is in drain mode. When line activity is quiesced, the link is deactivated.

Operator Action: None.

571E LINK linkid ALREADY SET TO DEACTIVATE

Explanation: The link identified by "linkid" was in drain mode when it received a new command to deactivate.

System Action: The line driver continues the deactivation process, and the command has no effect.

Operator Action: None.

580I FILE spoolid PROCESSING TERMINATED

Explanation: In response to the FLUSH command, transmission of the active file identified by "spoolid" was terminated before the completion of file processing.

System Action: Disposition of the identified file is made according to the status of the file. The file may be purged from the system, or the file may be held for future retransmission. The next copy of the file may begin transmission if multiple copies remain and ALL was not specified. Normal file processing continues.

Operator Action: None.

581E FILE spoolid NOT ACTIVE

> Explanation: The file identified by "spoolid" was not active when a command was processed that specified that file, and the command requires an active file as its object.
>
> System Action: The command has no effect, and normal link processing continues.
>
> Operator Action: Check the status of the named file by issuing the QUERY FILE command.

590I LINK linkid RESUMING FILE TRANSFER

> Explanation: The active link identified by "linkid" was in hold status, and has been removed from hold status in response to command processing.
>
> System Action: File transmission on the identified link resumes immediately if the line is connected and there is a file eligible for transmission enqueued on the link.
>
> Operator Action: None.

591E LINK linkid NOT IN HOLD STATUS

> Explanation: The link identified by "linkid" was not in hold status when a command was processed that requested that the link leave hold status.
>
> System Action: The command is ignored, and normal link processing continues.
>
> Operator Action: None.

600I FILE spoolid FORWARD SPACED

> Explanation: The file identified by "spoolid" has been forward spaced as requested by a preceding command.
>
> System Action: File transmission continues, beginning from the new file position.
>
> Operator Action: None.

610I LINK linkid TO SUSPEND FILE TRANSMISSION

> Explanation: The link identified by "linkid" has entered hold status. File transmission has not been suspended because at the time of command processing a file was being actively transmitted, and the NOW option was not specified.
>
> System Action: The link remains in hold status. File transmission is suspended when the processing of the active file is complete.
>
> Operator Action: None.

611I LINK linkid FILE TRANSMISSION SUSPENDED

> Explanation: The link identified by "linkid" has entered hold status, and file transmission has been halted as a result of command processing. Either no file was being actively transmitted at the time of command processing, or the link had been in hold status and its active file transmission has completed, or an active file was being transmitted and the NOW operand was specified.
>
> System Action: The link remains in hold status, and file transmission remains suspended, until the link is explicitly freed from hold status. If active file transmission was interrupted, the transmission of the active file resumes from the point at which transmission was interrupted when the link is removed from hold status. The link continues to process files received from the remote station normally while in HOLD status.
>
> Operator Action: None.

612E LINK linkid ALREADY IN HOLD STATUS

> Explanation: The active link identified by "linkid" was in hold status when it received a new command to enter hold status, with the same options specified as in the preceding command which caused the link to enter HOLD status.
>
> System Action: The link remains in HOLD status, and the command has no effect.
>
> Operator Action: None.

640I nn FILE(S) PURGED ON LINK linkid

> Explanation: The number of files denoted by "nn" that were enqueued on the link specified by "linkid" have been purged from the system in response to a PURGE command.
>
> System Action: The "file(s)" virtual storage tags are dequeued and the tag slots are freed. The link table is updated, and pending files are accepted if any exist.
>
> Operator Action: None.

651I LINK linkid INACTIVE

> Explanation: This message is issued in response to a QUERY linkid STAT command. The link identified by "linkid" was not active at the time the command was processed.
>
> System Action: None.
>
> Operator Action: None.

652I LINK linkid ACTIVE task type vaddr c
{HO|NOH} {DR|NOD} {TRA|TRE|NOT} Q=m P=n

Explanation: This message is issued in
response to a QUERY linkid STAT command.
The link identified by "linkid" was active
at the time the command was processed.

task — is the task name of the line
driver task.
type — is the ID of the line driver in
use by the active link.
vaddr — is the virtual device address of
the line port in use by the
active link.
c — is the class or classes of files
that may be processed by the
active link.
HO — indicates that the active link is
in hold status.
NOH — indicates that the active link is
not in hold status.
DR — indicates that the active link is
in the process of draining, and
will terminate when line activity
is quiesced.
NOD — indicates that the active link is
not in the process of draining.
TRA — indicates that the active link is
tracing all line activity.
TRE — indicates that the active link is
tracing line errors.
NOT — indicates that the active link is
not tracing line errors or
activity.
m — is the number of files accepted
and enqueued for transmission on
the link.
n — is the number of files pending
but not yet accepted for the
active link.

System Action: None.

Operator Action: None.

653I LINK linkid DEFAULT task type vaddr c R=m

Explanation: This message is issued in
response to a QUERY linkid DEF command.
The link identified by "linkid" was defined
at the time of command processing, and the
default attributes listed in the message
pertain to that definition. The message
does not indicate whether the link was
active or inactive at the time of command
processing, and the default attributes
listed may be different from those actually
in use with the link if it was active.

task — the default task name to be
associated with the defined
link's line driver task when the
link is activated.
type — the ID of the default line driver
defined for the link.
vaddr — the default virtual device
address of a line port to be used
by the link when it is activated.
c — the default class or classes of
files that can be processed by
the link when it is active.

m — the number of virtual storage
file tag slots reserved for
exclusive use by this link.

System Action: None.

Operator Action: None.

654I LINK linkid Q=m P=n

Explanation: This message is issued in
response to a QUERY linkid QUEUE command.
The status of the file queue for the link
identified by "linkid" is described.

m — the number of files accepted and
enqueued for transmission on the
link.
n — the number of files pending but
not yet accepted for the active
link.

System Action: An additional message
(DMTCMX655I) is issued for each file
accepted and enqueued on the link,
describing the status of each such file.

Operator Action: None.

655I FILE spoolid locid userid CL a PR mm REC
nnnnnn {A|I}

Explanation: A message of this form is
issued for each file accepted and enqueued
for transmission on the link specified by
'linkid' in the preceding QUERY linkid
QUEUE command.

spoolid — the VM/370 spool file ID for the
file to be described.
locid — the destination location ID to
which the originating user
addressed the file.
userid — the destination virtual machine
ID (if any) to which the
originating user addressed the
file.
a — the spool file class.
mm — the file's current transmission
priority.
nnnnnn — the number of records in the
file.
A — indicates that the described file
is active.
I — indicates that the described file
is inactive.

System Action: This message is issued for
each file in the link queue.

Operator Action: None.

660I FILE spoolid INACTIVE ON LINK linkid

Explanation: This message is issued in
response to a QUERY FILE "spoolid" STAT
command. At the time of command
processing, the file identified by
"spoolid" was inactive, and was enqueued
for transmission on the link identified by
"linkid".

System Action: None.

Operator Action: None.

661I FILE spoolid ACTIVE ON LINK linkid

Explanation: This message is issued in response to a QUERY FILE spoolid STAT command. At the time of command processing, the file identified by "spoolid" was active, and was being transmitted on the link identified by "linkid".

System Action: None.

Operator Action: None.

662I FILE spoolid ORG locid1 userid1 mm/dd/yy hh:mm:ss TO locid2 userid2

Explanation: This message is in response to the RSCS command QUERY FILE spoolid. The RSCS control-related attributes of the file identified by 'spoolid' are described.

locid1	- the location ID of the location at which the file originated.
userid1	- the virtual machine ID of the originator of the file.
mm/dd/yy	- the file creation date.
hh:mm:ss	- the file creation time of day.
locid2	- the destination location ID to which the originating user addressed the file.
userid2	- the destination virtual machine ID (if any) to which the originating user addressed the file.

System Action: None.

Operator Action: None.

663I FILE spoolid PR mm CL a CO nn {HO|NOH} DI distcode, NA {fn ft|dsname}

Explanation: This message is issued in response to the CP command, QUERY FILES spoolid. The VM/370 spool system-related attributes of the file identified by "spoolid" are described.

mm	- the file's transmission priority.
a	- the file's spool file class.
nn	- the number of copies of the file requested by the file creator.
HO	- indicates that the file is in hold status.
NOH	- indicates that the file is not in hold status.
distcode	- the file's distribution code.
fn ft	- the file's filename filetype.
dsname	- the file's data set name.

System Action: None.

Operator Action: None.

664E FILE spoolid NOT FOUND

Explanation: This message is issued in response to a QUERY FILE spoolid command. The file identified by "spoolid" could not be found in the RSCS virtual storage queues, meaning either that the file is not owned by the RSCS virtual machine, or that the file is pending and has not yet been accepted by RSCS.

System Action: None.

Operator Action: Verify that the spool file ID was correctly typed. If it was not, retry the command with the correct spool file ID. If it was correctly typed, retry the command after a file tag slot becomes available and the specified file is accepted and enqueued by RSCS.

670I LINK linkid ACTIVE -- LINE vaddr (HO|NOH)

Explanation: This message is issued in response to a QUERY SYSTEM command. One such message is produced for each active link in the RSCS facility at the time of command processing. The active link described by the message is identified by "linkid".

vaddr	- the virtual device address of the line port in use by the active link.
HO	- indicates that the active link is in hold status.
NOH	- indicates that the active link is not in hold status.

System Action: This message is issued for each active link in the system.

Operator Action: None.

671I LINK linkid INACTIVE

Explanation: This message is issued in response to a QUERY SYSTEM command. One such message is produced for each inactive link in the RSCS facility at the time of command processing. The inactive link is identified by "linkid".

System Action: This message is issued for each inactive link in the system.

Operator Action: None.

672I NO LINK ACTIVE

Explanation: This message is issued in response to a QUERY SYSTEM ACTIVE command. No link defined in the RSCS facility was active at the time of command processing.

System Action: None.

Operator Action: None.

673I NO LINK DEFINED

Explanation: This message is issued in response to a QUERY SYSTEM command. No link was defined in the RSCS facility at the time of command processing.

System Action: None.

Operator Action: None.

700I ACTIVATING LINK linkid task type vaddr c

Explanation: The link identified by "linkid" was inactive and has become active as a result of command processing. The message describes the variable attributes in effect for this active link.

task   - the task name associated with the activated link's line driver.
type   - the ID of the line driver in use by the activated link.
vaddr   - the virtual device address of the line port in use by the activated link.
c   - the class or classes of files that can be processed by the activated link.

System Action: The activated link remains active, and the listed attributes remain in effect, until the link is deactivated or the attributes are explicitly modified. The link is activated whether or not a line connection to the remote location is complete. If no line connection exists, the line driver establishes a connection, with operator intervention if necessary. When a connection exists, file transmission begins automatically if a file queue exists for the link.

Operator Action: None.

701E NO SWITCHED LINE AVAILABLE -- LINK linkid NOT ACTIVATED

Explanation: An attempt was made to activate the link identified by "linkid" with no specified line port virtual device address. The link had no defined default line-port address, and no common switched line ports were available at the time of command processing.

System Action: The command processing is terminated, the link remains inactive, and normal processing continues.

Operator Action: The command can be reissued with a specified line port address, or it can be reissued when a common switched line port becomes available.

702E LINE vaddr IS IN USE BY LINK linkid1 -- LINK linkid2 NOT ACTIVATED

Explanation: An attempt was made to activate the link identified by "linkid2". The line-port virtual device address specified in the request to activate the link, identified by "vaddr", was found to be in use by another active link, identified by "linkid1", at the time of command processing.

System Action: The command processing is terminated, the command has no effect, and normal processing continues.

Operator Action: The command can be retried with a specified line port address that is not in use by another active link, or it can be retried with no line port address specified, in which case an attempt will be made to reserve and utilize a valid line port.

703E DEV cuu IS NOT A LINE PORT -- LINK linkid NOT ACTIVATED

Explanation: An attempt was made to activate the link identified by "linkid" with a line-port address identified by "cuu". A virtual device at address "cuu" exists, but it is not a usable line-port device.

System Action: The command processing is terminated, the link remains inactive, and normal processing continues.

Operator Action: The command can be reissued with a specified line-port address that is valid and available, or it can be reissued with no line-port address at all, in which case an attempt is made to reserve and utilize a valid line port.

704E LINE vaddr CC=3 NOT OPERATIONAL -- LINK linkid NOT ACTIVATED

Explanation: An attempt was made to activate the link identified by "linkid" with a line-port address identified by "vaddr". Either no device was defined for the RSCS virtual machine at virtual address "vaddr", or the device at that address was completely nonoperational.

System Action: The command processing is terminated, the link remains inactive, and normal processing continues.

Operator Action: The command can be reissued with a specified line-port address that is valid and operational, or it can be reissued with no line-port address at all, in which case an attempt is made to select and reserve a valid line port.

705E DRIVER type NOT FOUND ON DISK vaddr -- LINK
linkid NOT ACTIVATED

Explanation: An attempt was made to
activate the link identified by "linkid"
with a driver ID identified by "type". The
identified line driver could not be located
on the disk used for driver task loading,
identified by "vaddr".

System Action: The command processing is
terminated, the link remains inactive, and
normal processing continues.

Operator Action: Verify that the driver ID
used was correctly typed. If it was not,
reissue the command, specifying a correct
driver ID. If the command was correctly
typed, notify a person responsible for
system support.

706E FATAL ERROR LOADING FROM vaddr -- LINK
linkid NOT ACTIVATED

Explanation: An attempt was made to
activate the link identified by "linkid".
In the process of loading the link's line
driver from the disk identified by "vaddr",
an uncorrectable I/O error was encountered.

System Action: Loading is abandoned, the
error is logged, the command processing is
terminated, and the link remains inactive.

Operator Action: Reissue the command. If
the error condition persists, notify
operations or system support personnel.

707E DRIVER type FILE FORMAT INVALID -- LINK
linkid NOT ACTIVATED

Explanation: An attempt was made to
activate the link identified by "linkid",
with a driver ID identified by "type". In
the process of reading the driver file and
loading the driver into virtual storage,
the loader detected an invalid data format
in the driver file.

System Action: Loading is abandoned, the
command processing is terminated, and
normal processing continues.

Operator Action: Verify that the proper
driver ID has been used. If an improper
driver ID was used, reissue the command
with a correct driver ID. If the proper
driver ID was used, notify a person
responsible for system support.

708E VIRTUAL STORAGE CAPACITY EXCEEDED -- LINK
linkid NOT ACTIVATED

Explanation: An attempt was made to
activate the link identified by "linkid".
During the activation process, a virtual
free storage requirement could not be met
because there was not enough unclaimed
virtual free storage in the system.

System Action: The command processing is
terminated, the link remains inactive, and
normal processing continues.

Operator Action: None.

709E TASK NAME task ALREADY IN USE -- LINK
linkid NOT ACTIVATED

Explanation: An attempt to activate the
link "linkid", in response to a START
command, failed because the task name
"task" specified for use was in use by
another task in the system.

System Action: The START command is
ignored, and normal processing continues.

Operator Action: Reissue the START command
specifying a different task name, or
reissue the START command after the task
with the conflicting name terminates.

710E MAX (nn) ACTIVE -- LINK linkid NOT
ACTIVATED

Explanation: An attempt to activate the
link "linkid", in reponse to a START
command, failed because the maximum
allowable number "(nn)" of concurrent
active links had already been reached.

System Action: The START command is
ignored, and normal processing continues.

Operator Action: Reissue the START command
after one or more links become inactive.

750E LINK linkid ALREADY ACTIVE -- NO ACTION
TAKEN

Explanation: A START command was issued
specifying the link identified by "linkid".
The link was already active at the time of
command processing, and no modifiable
attributes were changed from their previous
settings.

System Action: None.

Operator Action: None.

751I LINK linkid ALREADY ACTIVE -- NEW CLASS(ES)
SET AS REQUESTED

Explanation: A START command was issued
specifying the link identified by "linkid".
The link was already active at the time of
command processing, and the new class
specification for the link has been
accepted.

System Action: The link automatically
begins processing files bearing the newly
specified class or classes, if any are
enqueued on the link.

Operator Action: None.

752I LINK linkid STILL ACTIVE -- DRAIN STATUS
RESET

Explanation: A START command was issued
specifying the link identified by "linkid".
The link was active at the time of command
processing, but it was in the process of
terminating as the result of a previous
DRAIN command. The link remains active,
and the attributes remain as previously
set.

System Action: None.

Operator Action: None.

801I LINK linkid ERROR TRACE STARTED

Explanation: As a result of command
processing, the link identified by 'linkid'
has set its trace mode to trace line
errors.

System Action: A message describing line
activity is displayed each time the number
of line errors reaches the predefined
threshold.

Operator Action: None.

802I LINK linkid TRACE STARTED

Explanation: As a result of command
processing, the link identified by "linkid"
has set its trace mode to trace all line
activity.

System Action: A message describing line
activity is displayed each time the number
of line transactions reaches the predefined
threshold.

Operator Action: None.

803I LINK linkid TRACE ENDED

Explanation: As a result of command
processing, the link identified by "linkid"
has set its trace mode off.

System Action: No further trace messages
will be displayed, and normal link
processing continues.

Operator Action: None.

810E LINK linkid TRACE ALREADY ACTIVE

Explanation: The link identified by
"linkid" was in trace mode when it received
a new command to enter trace mode, with the
same options specified as had been active.

System Action: The link remains in trace
mode with the previous options set, the
command has no effect, and normal link
processing continues.

Operator Action: None.

811E LINK linkid TRACE NOT ACTIVE

Explanation: The link identified by
"linkid" was not in trace mode when it
received a command to set trace mode off.

System Action: Trace mode remains off for
the link, the command has no effect, and
normal link processing continues.

Operator Action: None.

901E INVALID SML MODE SPECIFIED -- LINK linkid
NOT ACTIVATED

Explanation: The RSCS operator specified an
invalid SML (Spool MULTI-LEAVING) mode
option in the PARM field of the RSCS START
command.

System Action: The specified linkid is not
activated.

Operator Action: Reissue the command with
the correct SML mode.

902E NON-SIGNON CARD READ ON LINK linkid

Explanation: The first record received from
a remote station was not a SIGNON card.

System Action: The sign on of the remote
station on the specified linkid is not
allowed.

Operator Action: Correct the problem and
repeat the sign on procedure.

903E PASSWORD SUPPLIED ON LINK linkid IS INVALID

Explanation: An invalid sign on attempt
occurred.

System Action: The sign on is not allowed.

Remote Operator Action: Correct the SIGNON
card, reload the station, and sign on
again.

904E SIGNON PARAMETER=parameter INVALID

Explanation: An invalid parameter was
entered on a SIGNON card.

System Action: The sign on is not allowed.

Operator Action: Correct the SIGNON card,
and try again.

905I SIGNON OF LINKID linkid COMPLETE

Explanation: A valid SIGNON card has been
received from the link serving linkid and
the initialization of the SIGNON
parameters is complete.

System Action: The system now begins to
transfer files.

Operator Action: If only output files are
to be handled, no action need be taken. If
you want to transfer input to VM/370,
follow the operator procedure for
initiating card input.

**906E INVALID SML BUFFER PARAMETER -- LINK linkid
NOT ACTIVATED**

Explanation: The RSCS operator specified an
invalid SML buffer size in the buffer
option of the PARM field of the RSCS START
command.

System Action: The specified link is not
activated.

Operator Action: Reissue the command with
the correct SML buffer size.

907E SIGNON TYPE PARAMETER MISSING

Explanation: The TYPE parameter on the
SIGNON card was omitted.

System Action: The signon is not allowed.

Operator Action: Correct the SIGNON card,
reload the station, and sign on again.

**934E ID CARD MISSING ON LINK linkid -- INPUT
FILE PURGED**

Explanation: A file was entered at a remote
station without an ID card identifying the
destination.

System Action: The input file is flushed.

Remote Operator Action: Place an ID card on
the front of the input deck and reenter the
input file.

**935E LINK linkid IN RJE MODE -- PRINT FILE
spoolid PURGED**

Explanation: When DMTSML is operating as an
RJE (Remote Job Entry) station to a remote
batch system, it is unable to transfer
print files.

System Action: The specified file is
purged.

Operator Action: None.

User Action: The file must be transmitted
over a different link.

**936E NO REMOTE PUNCH AVAILABLE ON LINK linkid --
FILE spoolid PURGED**

Explanation: The remote station operating
on this link has no remote punch available;
therefore, punch files destined for this
link cannot be processed.

System Action: The specified file is
purged.

Operator Action: None.

User Action: The file must be transmitted
over a different link.

**937E DECOMPRESSION ERROR ON linkid -- LINK
DEACTIVATED**

Explanation: The remote station has
transmitted data that cannot be
decompressed correctly.

System Action: The link is deactivated.

Operator Action: Follow operator procedure
to restart link after following local
corrective procedure.

IBCDASDI Virtual Disk Initialization Program Messages

101W INVALID CARD CODE. CORRECT ERROR. DEPRESS INTERRUPT KEY.

Explanation: An invalid code appears in the above card. Probable user error.

User Action: Check for keypunch or multipunch errors. Correct and rerun the job. If the problem persists, have the console log and input card deck available before contacting your system support personnel.

102A CONTROL STATEMENT ERROR JOB TERMINATED

Explanation: A control statement contains an incorrect keyword, parameter, or name field. Probable user error.

User Action: Check for keypunch errors. Correct invalid keyword, parameter, or name fields. Rerun the job. If the problem persists, have the console log and input card deck available before contacting your system support personnel.

103A STATEMENT SEQUENCE ERROR. JOB TERMINATED.

Explanation: The control statements are not in the proper sequence, or unnecessary utility statements are present. Probable user error.

User Action: Correct the control statement sequence or remove unnecessary statements and rerun the job. If the problem persists, have the console log and the input card deck available before contacting your system support personnel.

104W SVC INTERRUPT. JOB TERMINATED.

Explanation: An unknown SVC interrupt occurred. This program does not issue SVCs.

Operator Action: If the problem persists, have the console log and input card deck available before contacting your system support personnel.

- If running under CMS, or standalone under CP, use the CP DUMP command to dump all of virtual storage and the virtual registers to the printer. Save the dump output.
- If running standalone on a bare machine, take a standalone dump and save the output.

105A DEFINE INPUT DEVICE.

Explanation: The input device must be identified to the system by the operator.

Operator Action: Enter the following statement from the console typewriter:

INPUT=dddd,cuu

where dddd is the device type and cuu is the channel and unit address of the input device.

106A THE VOLID IN CONTROL STATEMENT DOES NOT AGREE WITH ID IN VOL LABEL WHICH FOLLOWS.

VOLID=xxxxxx.

Explanation: The VOLID parameter in the control statement did not match the volume serial number found on the receiving volume (xxxxxx). Probable user error.

Operator Action: Correct the statement or mount the correct volume and restart the program. If the problem persists, have the console log and input deck available for reference before contacting your system support personnel.

- If the device referenced on the control statement was a tape unit, have the tape available.

- If the device referenced on the control statement is a direct access device, use the DDR service program to print track 0 and have the output available.

107W TRACK ZERO BAD. JOB TERMINATED.

Explanation: The device cannot be initialized as a systems residence volume due to a defective surface on cylinder 00, track 00.

User Action: This volume cannot contain IPL text as track 0 is defective. Mount another volume and rerun the job. If the problem persists, have the console log and input card deck available before contacting your system support personnel.

Caution: Move suspect volume once to ascertain fault. Indiscriminate mounting and demounting of desk packs may cause the destruction of packs and drives.

108A HA OR RO FIELD BAD. JOB TERMINATED.

Explanation: The device cannot be initialized due to a bad surface area in the home address or track descriptor record areas.

User Action: Mount another pack and rerun the job. If the problem persists, have the console log and input card deck available

before contacting your system support personnel.

Caution: Move suspect volume once to ascertain fault. Indiscriminate mounting and demounting of desk packs may cause the destruction of packs and drives.

108I HA OR RO FIELD BAD.

Explanation: The home address or record zero was defective and has been moved down the track (on a 2314 or 2319 disk). The defective track and the alternate track assigned are listed.

User Action: None.

109I TRACK CHK INDICATES TRACK IS GOOD.

Explanation: The track in question is good and no alternate was assigned.

User Action: None.

110I BAD TRACK ccchhhh.

Explanation: A defective track was found at the specified location, where cccc is the cylinder number and hhhh is the head number.

User Action: Make sure that the alternate track assignment message was issued for each bad track.

111I ALTERNATE ccchhhh.

Explanation: An alternate track at the specified location is assigned to replace the defective track (cccc is the cylinder number and hhhh is the head number). If no location is specified with this message, either the defective track is in the alternate track area or the applicable device is a drum device.

User Action: None.

Note: If an alternate track is bad and another alternate is assigned the second alternate will not indicate cchh.

112W ALT TRACKS DEPLETED. JOB TERMINATED.

Explanation: The number of alternate tracks assigned has exceeded the maximum number for this device.

User Action: Mount another volume and rerun the job. If the problem persists, have the console log and input card deck available before contacting your system support personnel.

Caution: Move suspect volume once to ascertain fault. Indiscriminate mounting and demounting of disk packs may cause the destruction of packs and drives.

113W IMPROPER VTOC BEGIN ADDRESS. JOB TERMINATED.

Explanation: The starting address for the VTOC (volume table of contents) cannot be track 0 for any direct access device or track 1 for the 2311 if IPL text is written by the program. Probable user error.

User Action: Change the STRTADR parameter on the VTOCD statement to use another track. If the problem persists, have the console log, input card deck and program listing available before contacting your system support personnel.

Note: The VTOC cannot occupy track 0, occupy track 1 on 2311, or start on an alternate track.

153A TYPEWRITER FAILED TO READ LAST MESSAGE. DEPRESS INTERRUPT KEY.

Explanation: The console typewriter failed to read the input message.

Operator Action: Press the console interrupt key and attempt to enter the input message again. If the problem persists, contact your system support personnel.

154A READY READER cuu. DEPRESS INTERRUPT KEY.

Explanation: The reader has a card jam, a transport jam, or is out of cards.

Operator Action: Correct the faulty condition, ready the reader, and press the console interrupt key to continue the program. If the card or transport jam occurs again, reproduce the jammed cards and try again. If the problem persists, contact your system support personnel.

155A READY PRINTER cuu. DEPRESS INTERRUPT KEY.

Explanation: The printer is not ready due to a forms check, an open interlock, or a pressed stop key.

Operator Action: Correct the faulty condition, ready the printer, and press the console interrupt key to continue. If the problem persists, and the printer has become not-ready without a faulty condition apparent, contact your system support personnel.

156A READY TAPE cuu. DEPRESS INTERRUPT KEY.

Explanation: The tape drive on channel c, unit uu is not ready.

Operator Action: Correct the faulty condition, ready the tape drive, and press the console interrupt key. If the problem persists, and the tape drive had become not ready for no apparent reason, contact your system support personnel.

157A READY DASD cuu. DEPRESS INTERRUPT KEY.

Explanation: The direct access device on channel c, unit uu is not ready.

Operator Action: Correct the faulty condition, ready the direct access drive, and press the console interrupt key. If the problem persists, and the direct access drive has become not ready for no apparent reason, contact your system support personnel.

159A READER CHECK. CORRECT ERROR. DEPRESS INTERRUPT KEY.

Explanation: A reader check has occurred.

Operator Action: Correct the faulty condition and clear the reader check. Ready the reader and continue the program by pressing the console interrupt key. If reader checks occur frequently, check the input cards with a card guide for off punched cards. If the cards are punched correctly and are in good condition and reader checks continue, contact your system support personnel.

160A PRINT CHECK. CORRECT ERROR. DEPRESS INTERRUPT KEY.

Explanation: A print check has occurred.

Operator Action: Clear the print check by pressing check reset on the printer. Press the interrupt key on the console to continue processing. If the problem persists, contact your system support personnel.

163A END OF JOB.

Explanation: A normal end of job has occurred.

Diagnostic Messages for IBCDASDI

Diagnostic messages appear in the following format:

number (16-byte text) cuu xx ssss yyyyyyyyyyyy nnnnnnnnnnnnnnnnnn cccchhh

where:

c   is the channel of the device in error
uu   is the unit
xx   is the command code
ssss designate status bytes from the CSW
yyyyyyyyyyyy
      designate the first six sense bytes
nnnnnnnnnnnnnnnnnn
      designate the remaining sense bytes
      for direct access devices

where:
cccchhh
      is the track address of the direct access device being used when the failure occurred

201W COMMAND REJECT.

Explanation: The specified channel has rejected an incorrect channel command word (CCW) list. The job is terminated.

Operator Action: Rerun the job. If the problem persists, do the following before contacting your system support personnel;

• If running under CMS, or standalone under CP, issue the CP dump command to dump all of virtual storage and the virtual registers to produce a storage dump to a printer. Save the dump output.

• If running standalone on a bare machine, take a standalone dump and save the output.

202A INTERV. REQUIRED.

Explanation: The specified device is not ready.

Operator Action: The specified device requires operator intervention to make it ready. If the device becomes not ready for no apparent reason, contact your system support personnel.

203W BUS. OUT CHECK.

Explanation: A bus out check has occurred on the specified channel. Job is terminated. Probable hardware error.

Operator Action: If the problem persists, have the console log and input card deck available before contacting your system support personnel.

204W EQUIPMENT CHECK.

Explanation: An equipment failure has occurred. The job is terminated.

Operator Action: If the problem persists, contact your system support personnel.

205W DATA CHECK.

Explanation: A solid data check has occurred on the specified device. The job is terminated. Probable hardware error.

Operator Action: If the problem persists, contact your system support personnel.

206W OVERRUN.

Explanation: An overrun check has occurred on the specified channel. The job is terminated.

Programmer Action: Rerun the job. If the problem persists, contact your system support personnel.

208W DATA CONV. CHECK.

Explanation: A data converter check has occurred on the specified device. The job is terminated.

Operator Action: Move data to another device and rerun the job. If the problem persists, contact your system support personnel.

209W END OF CYLINDER.

Explanation: An unusual end-of-cylinder condition has occurred on the specified device. The job is terminated.

Programmer Action: Rerun the job. If the problem persists, contact your system support personnel.

210W INVALID ADDRESS.

Explanation: An invalid address has been issued to the specified device. The job is terminated.

Programmer Action: Determine if the ccccchhh address shown in the message is valid for the device indicated. If the problem persists, have the console log and associated output available before contacting your system support personnel.

211W NOT AVAILABLE.

Explanation: The specified device is not attached to the system. The job is terminated.

Operator Action: Ensure that the ENABLE/DISABLE switch on the device and/or control unit is in the ENABLE position. If the problem persists, contact your system support personnel.

212W READ DATA CHECK.

Explanation: A permanent read data check has been detected on the specified tape unit. The job is terminated.

Operator Action: Clean tape unit read/write heads and rerun the job. If the error persists, contact your system support personnel.

214W TRACK OVERRUN.

Explanation: A track overrun condition has occurred. The job is terminated.

Operator Action: Rerun the job. If the problem persists, do the following before contacting your system support personnel:

- If running under CMS, or standalone under CP, issue the CP DUMP command to dump all of virtual storage and the virtual registers to a printer. Save the dump output.

- If running standalone on a bare machine, take a standalone dump and save the output.

215W FILE PROTECTED.

Explanation: The specified device is file protected. The job is terminated.

Operator Action: If the volume is to be read only, no response is necessary. If the volume is to be written on and the device is a tape unit, install a write-enable ring. If the problem persists, contact your system support personnel.

217W NO RECORD FOUND.

Explanation: The indicated condition has occurred on the specified direct access device. The job is terminated.

Operator Action: If the problem persists, contact your system support personnel.

218W INVALID ERROR.

Explanation: An invalid error return has occurred. The job is terminated.

Operator Action: Rerun the job. If the problem persists, contact your system support personnel.

219W WRONG ERROR.

Explanation: The error return is valid but is not associated with the specified device. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the problem persists, contact your system support personnel.

220W CHAN. CTRL. ERROR.

Explanation: A channel control check has occurred on the specified channel. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the error persists, execute the SEREP program and have the output available before contacting your system support personnel.

221W INTERFACE ERROR.

Explanation: An interface control check has occurred on the specified channel. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the error persists, execute the SEREP program and have the output available before contacting your system support personnel.

222W CHAN. DATA CHECK.

Explanation: A channel data check has occurred on the specified channel. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the error persists, execute the SEREP program and have the output available before contacting your system support personnel.

223W DASD OVERFLOW.

Explanation: An "overflow incomplete" condition has occurred on the specified direct access device. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the problem persists, contact your system support personnel.

224W PROGRAM CHECK.

Explanation: A program check has occurred due to an incorrect channel command word (CCW). The job is terminated.

Operator Action: Rerun the job. If the problem persists, do the following before contacting your system support personnel:

• Have the associated control cards and output listing available.

• If running under CMS, or standalone under CP, issue the CP DUMP command to dump all of virtual storage and the virtual registers to a printer. Save the dump output.

• If running standalone on a bare machine, take a standalone dump and save the output.

225W PROTECTION CHECK.

Explanation: A protection check has occurred on the specified device. The job is terminated.

Operator Action: Rerun the job. If the problem persists, do the following before contacting your system support personnel:

• If running under CMS, or standalone under CP, issue the CP DUMP command to dump all of virtual storage and the virtual registers to a printer. Save the dump output.

• If running standalone on a bare machine, take a standalone dump and save the output.

226W UNIT EXCEPTION.

Explanation: A unit exception has occurred on the specified unit. The job is terminated.

Operator Action: None.

227W INCORRECT LENGTH.

Explanation: The indicated condition has occurred on the specified unit. The job is terminated.

Operator Action: Rerun the job. If the problem persists, contact your system support personnel.

228W CHAINING CHECK.

Explanation: A chaining check has occurred on the specified channel. The job is terminated. Probable hardware error.

Operator Action: Do the following before contacting your system support personnel:

• If running under CMS, or standalone under CP, issue the CP DUMP command to dump all of virtual storage and the virtual registers to a printer. Save the dump output.

• If running standalone on a bare machine, take a standalone dump and save the output.

229W COMMAND SEQ. ERR.

Explanation: An invalid sequence of channel command words (CCWs) was issued. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the problem persists, do the following before contacting your system support personnel:

• If running under CMS, or standalone under CP, issue the CP DUMP command to dump all of virtual storage and the virtual registers to a printer. Save the dump output.

- If running standalone on a bare machine, take a standalone dump and save the output.

230W SEEK CHECK ERROR.

Explanation: An invalid SEEK address was issued, or a unit malfunction caused a SEEK check. The job is terminated. Probable hardware error.

Operator Action: Rerun the job. If the problem persists, have the console log and input deck available before contacting your system support personnel.

231W WRITE DATA CHECK.

Explanation: A permanent write data check has occurred on the specified tape unit. The job is terminated.

Operator Action: Clean the read/write heads of the indicated tape unit and rerun the job. If the problem persists, contact your system support personnel.

232W TAPE -- LOAD POINT.

Explanation: A "tape at load point" condition has occurred on the specified tape unit. The job is terminated.

Operator Action: None.

234W MISSING ADR-MARK.

Explanation: A "missing address marker" condition has occurred on the specified device. The job is terminated.

Operator Action: None. If the problem persists, contact your system support personnel.

235W BLANK TRACK.

Explanation: A blank track has been encountered on the specified data cell.

Operator Action: None. If the problem persists, contact your system support personnel.

236W 3 BLANK CYLINDERS.

Explanation: Three blank cylinders have been encountered during the analysis of a strip.

Operator Action: Probable hardware error. Call IBM for hardware support.

Note: This message usually indicates that a 2321 failed to "pick" a strip.

237W 3 BLANK STRIPS.

Explanation: Three blank strips have been encountered within one subcell.

Operator Action: Probable hardware error. Call IBM for hardware support.

Note: This message usually indicates that a 2321 failed to "pick" a strip.

238W 3 BLANK SUBCELLS.

Explanation: Three blank subcells have been encountered within a cell.

Operator Action: Probable hardware error. Call IBM for hardware support.

Note: This message usually indicates that a 2321 failed to "pick" a strip.

239W 3 BLANK TRACKS.

Explanation: Three blank tracks have been encountered within one cylinder.

Operator Action: Probable hardware error. If the problem persists, call IBM for hardware support.

Note: This message usually indicates that a 2321 failed to "pick" a strip.

242W INVALID TRK FMT

Explanation: An attempt was made to write data exceeding track capacity on the specified device. The job is terminated.

Operator Action: Check your input specification and retry. If the problem persists, contact your system support personnel.

243W WRITE INHIBITED

Explanation: The WRITE INHIBIT switch is probably set ON in the 3330 control unit to inhibit execution when the WRITE command is encountered.

Operator Action: Check the status of the WRITE INHIBIT switch:

- If the WRITE INHIBIT switch is set ON to intentionally inhibit execution of WRITE commands, follow procedures established at your installation.
- If the WRITE INHIBIT switch is set off to allow execution of WRITE commands, rerun the job. If the problem persists, contact your system support personnel.

249W I/O ERROR, JOB TERMINATED.

Explanation: This message follows all messages that describe input/output error conditions.

Interactive Problem Control System (IPCS) Messages

100S ERROR 'nnn' READING FILE 'filename filetype fm'

Explanation: An error occurred during the execution of an FSREAD macro against file 'filename filetype fm.' For a description of error 'nnn', see the FSREAD macro in the VM/370 CMS Command and Macro Reference, GC20-1818.

System Action: RC = 8
Processing stops and returns to CMS.

User Action: Check the macro description to see what type of failure nnn indicates. Correct the error and retry.

200S ERROR 'nnn' WRITING FILE 'filename filetype fm'

Explanation: An error occurred during the execution of an FSWRITE macro against file 'filename filetype fm.' For a description of error 'nnn', see the FSWRITE macro in the VM/370 CMS Command and Macro Reference, GC20-1818.

System Action: RC = 8
Processing stops and returns to CMS.

User Action: Check the macro description to see what type of failure nnn indicates. Correct the error and retry.

300S ERROR 'nnn' ON FSSTATE 'filename filetype fm'

Explanation: An error occurred during the execution of an FSSTATE macro against file 'filename filetype fm.' For a description of return code 'nnn', see the FSSTATE macro in the VM/370 CMS Command and Macro Reference, GC20-1818.

System Action: RC = 8
Processing stops and returns to CMS.

User Action: Check the macro description to see what type of failure 'nnn' indicates. Correct the error and retry.

400S ERROR 'nnn' CLOSING 'filename filetype fm'

Explanation: An error occurred during the execution of an FSCLOSE macro against file 'filename filetype fm.' For a description of return code 'nnn', see the FSCLOSE macro in the VM/370 CMS Command and Macro Reference, GC20-1818.

System Action: Processing stops and returns to CMS.

User Action: Check the macro description to see what type of failure nnn indicates. Correct the error and retry.

500S ERROR 'nnn' WRITING TO VIRTUAL PRINTER

Explanation: An error occurred during the execution of a PRINTL macro to the virtual printer. For a description of the return code, see PRINTL Macro in VM/370 CMS Command and Macro Reference, GC20-1818.

System Action: Processing continues.

User Action: Check the macro description to see what type of failure 'nnn' indicates. Correct the error and retry.

501S INVALID PARM 'badparm' PASSED TO SYMPTOM SUMMARY UPDATE PROGRAM

Explanation: The program or EXEC that called SUMMARY passed an invalid request or a problem number not in the format PRBnnnnn, where nnnnn must be numeric. If a user program or EXEC was being executed, correct the parameter being passed to SUMMARY and retry.

System Action: RC = 8
Execution of the command is terminated. The system remains in the same state as before the command was issued.

User Action: If PROB, PRB, or VMFDUMP was being executed, collect the console log and call your IBM programming support representative. If a user program or EXEC was being executed, correct the parameter being passed to SUMMARY and retry.

502S PROBLEM 'PRBnnnnn' NOT FOUND IN SYMPTOM SUMMARY

Explanation: Problem nnnnn was not found in the symptom summary file.

System Action: RC = 4
Execution of the command is terminated. The system remains in the same state as before the command was issued.

User Action: Retry the command supplying the correct problem number.

601I OPERAND 'operand' NOT RECOGNIZED

Explanation: The system received a search
argument that was not recognized by the
STAT command.

System Action: RC = 4
Execution of the command is terminated.
The system remains in the same state as
before the command was issued.

User Action: Retry the command specifying
the correct operand(s).

700I TYPE 'HELP' OR ENTER

Explanation: You have the opportunity to
bypass a display of the DUMPSCAN subcommand
summary.

System Action: Processing continues.

User Action: If you wish to display a
summary of DUMPSCAN commands, type HELP.
Otherwise, press the ENTER key or its
equivalent.

701R ENTER DUMP NUMBER AND MODE

Explanation: You are required to specify
the dump number and mode.

System Action: Processing continues.

User Action: Enter the numeric part of the
dump file name, followed by the disk mode.
Leading zeros are not required, so for
PRB00056 on the A-disk, enter 56 A. If the
mode is omitted, A is assumed unless you
are changing dumps within a session, in
which case the previous mode is used.

702I NON-HEX CHARACTER IN COUNT - RETRY

Explanation: The count field in the input
line contains a non-hexadecimal character.

System Action: Processing continues.

User Action: Make sure the count field
contains only hexadecimal characters and
reenter the subcommand.

703I NON-HEX CHARACTER IN ADDRESS - RETRY

Explanation: The address field contains a
non-hexadecimal character.

System Action: Processing continues.

User Action: Correct the input and retry.

704I NON-HEX CHARACTER IN ADDRESS - RETRY

Explanation: The address field contains a
non-hexadecimal character.

System Action: Processing continues.

User Action: Correct the input and retry.

705E ERROR IN ITEM TABLE

Explanation: While counting entries in the
item table, the indicator for the end of
the table was not found. Indicates that CP
was unable to write the dump correctly or
the dump has been damaged.

System Action: Processing continues.

User Action: Some DUMPSCAN functions may
still be available. Beware of unlikely
results.

706I 'entry name' NOT FOUND IN THE LOAD MAP

Explanation: The name displayed was entered
to request a load map search and display
function. However, the name was not found
in the load map.

System Action: Processing continues.

User Action: Make sure that the entry point
or module name is correct and retry the
subcommand supplying the correct module
name.

707I 'module' 'page' PAGE NOT VALID

Explanation: The page table entry for the
virtual address page where 'module' was
initially loaded was marked invalid and so
could not be displayed.

System Action: Processing continues.

User Action: None.

708I PAGE 'page' NOT FOUND IN DUMP

Explanation: This virtual address was not
represented by an entry in the item table.
This means it was not dumped at the time
the dump was taken.

System Action: Processing continues.

User Action: Try another address.

709I NO VALID SCROLL ADDRESS

Explanation: A SCROLL or SCROLL U request
must follow some other request that
generates a display that has an address
associated with it. This has not happened
yet in this DUMPSCAN session. Note that
SCROLL will scroll from the last address
that was displayed.

System Action: Processing continues.

User Action: Enter an address in the area
you wish to examine by using 'DISPLAY
hexloc'.

710I NON-NUMERIC COUNT CHARACTER - RETRY

Explanation: The count field contains a non-numeric character.

System Action: Processing continues.

User Action: Correct the input and retry.

711I LOOP IN VMBLOK CHAIN

Explanation: While searching through the VMBLOK chains for entries no end was found to the chain.

Note: This message will occur if more than 256 users were logged on the system at the time of dump.

System Action: Processing continues.

User Action: May indicate an overlay problem. Other DUMPSCAN functions may still be available. Continue.

712I DEVICE 'cuu' NOT FOUND

Explanation: On a real or virtual device request, the specified device was not found.

System Action: Processing continues.

User Action: Make sure the specified device is included in the system that produces the dump. Retry the subcommand.

713I USER 'userid' VMBLOK NOT FOUND

Explanation: The specified 'userid' was not found so the VIO request could not be honored.

System Action: Processing continues.

User Action: None.

714I NON-HEX CHARACTER IN INPUT - RETRY

Explanation: DMMHEX detected a nonhexadecimal character.

System Action: Processing continues.

User Action: Correct the input and retry.

715I NON-HEX CHARACTER IN STRING

Explanation: The input string must consist of valid hexadecimal characters or asterisks.

System Action: Processing continues.

User Action: Correct the input and retry.

716I STRING 'string' {NOT FOUND|NOT FOUND BEFORE END}

Explanation: The requested string was not found within the limits given or, if indicated, before the end of dump was reached.

System Action: Processing continues.

User Action: Check that the string is as you intended, and retry the subcommand.

717I INVALID FORM OF LOCATE COMMAND

Explanation: The input on a LOCATE command was not in the proper format; that is

Locate   string   fromhexloc   tohexloc
[increment]

where:

string	is up to 16 hexadecimal digits
fromhexloc	is an address up to six significant digits in length not higher than tohexloc
tohexloc	is an address up to six digits that is higher than fromhexloc
increment	is an optional hexadecimal number from 1 to 1000

System Action: Processing continues.

User Action: Correct the input format and retry the subcommand.

718I THIS DUMP HAS NO LOAD MAP -- SEE MAP SUBCOMMAND

Explanation: The compressed load map was not found at the end of the dump, possibly because NUC MAP was not available to VMFDUMP or was invalid. All DUMPSCAN functions except DMK? and DMKmmmee are still valid.

System Action: RC = 4
Processing continues.

User Action: You may continue to use DUMPSCAN except for the DMK? subcommand and the DMKmmmee subcommand. If there is a valid CP nucleus load map available and if the dump is on the A-disk with write access, you may use the MAP subcommand to add the LOADMAP to the dump.

719I ERROR 'nnn' IN FSSTATE FILE 'filename filetype fm'

Explanation: FSSTATE macro failed to find the dump file specified by your reply to DMMDSC701R.

System Action: Processing continues.

User Action: Consult the VM/370 CMS Command and Macro Reference, GC20-1818, for a description of error nnn in the FSSTATE macro. Correct the problem and retry.

720I LOAD MAP ALREADY PRESENT

Explanation: The MAP subcommand was issued against a dump that already had a LOAD MAP appended.

System Action: Processing continues.

User Action: None.

721I &NAME TABLE IS FULL

Explanation: You have run out of space in the &NAME table. The table can hold up to 32 tokens, either &NAMEs or subcommand operands.

System Action: Processing continues.

User Action: You may replace a long &NAME entry with a shorter one or you may terminate the session and restart. This procedure clears out the table.

722I INVALID ENTRY INTO &NAME TABLE

Explanation: The &NAME subcommand has found an invalid operand. See restrictions in the usage notes for DUMPSCAN.

System Action: Processing continues.

User Action: Reissue the subcommand using the correct operand.

723I THE DUMP IS NOT ON THE A-DISK

Explanation: The MAP subcommand requires the dump to be on the A-disk.

System Action: Processing continues.

User Action: Copy the dump to the A-disk of your virtual machine before issuing the MAP subcommand.

724I {AP|MP} REGISTER REQUESTED FOR UNIPROCESSOR DUMP

Explanation: The subcommand AREGS or MREGS was issued against a dump taken on a machine running in uniprocessor mode.

System Action: Processing continues.

User Action: Verify that you are examining the correct dump. To see the registers, the PSW, etc., issue the REGS command.

800S DATA EXTRACTION FAILURE

Explanation: Necessary portions of the dump file (PSA, symbol table, etc.) cannot be read. Control is returned to DMMEDM and processing halts.

System Action: IPCS processing halts. Control is returned to CMS. The problem report is not created.

User Action: Retry the command when the cause of the READ failure is determined.

801I NUC MAP 'filename filetype fm' IS NOT VALID FOR THIS DUMP

Explanation: The DMKCPEND address found in the dump and the one found in the load map (file NUC MAP) were not the same, indicating a back level load map. Processing in DMMMAP continues.

System Action: Messages DMMMAP802I and DMMMAP806R are subsequently issued requesting the name and location of the nucleus load map.

User Action: Respond to message DMMMAP806R.

802I PROCEEDING....

Explanation: This message follows a previous error message indicating that even though an error was encountered, further processing will be attempted.

System Action: Processing continues. Message DMMMAP806R follows.

User Action: Respond to message DMMMAP806R.

803S ERROR 'nnn' ATTEMPTING TO LOADMOD VMFDUMP2

Explanation: VMFDUMP exceeds 64K in size; thus, it must be loaded in two sections. DMMINI is responsible for loading the second section (called VMFDUMP2) as soon as DMMEDM makes the first call to DMMINI.

System Action: If the LOADMOD is not successful, VMFDUMP processing is halted immediately.

User Action: For support instructions refer to VM/370 IPCS User's Guide, GC20-1823.

804I ERROR IN DATA EXTRACTION

Explanation: The text portion of the problem report may not be complete due to the absence of supporting information (for example, NUC MAP A1 does not match the system). This message is also issued if subroutines, such as DMMGRC, encounter an error reading from the dumpfile, or DMMCPA cannot recognize the abend code.

System Action: IPCS processing continues to extract as much data as possible. This message occurs on the terminal as well as in the text portion of the problem report.

User Action: None.

805I xxxxxx ABEND CODE NOT DOCUMENTED

Explanation: This message is issued in module DMMCPA if the abend code in the dump does not compare with any abend code in the lookup table.

System Action: Processing continues.

User Action: Either the abend code in the dump is overlaid or an unknown abend code has been generated. Call your IBM program support representative.

806R ENTER 'filename filetype fm' OF NUCLEUS LOAD MAP OR NULL LINE

Explanation: This message is issued after it is determined that file NUC MAP A is not found or invalid.

System Action: Processing halts and the system waits for a reply.

User Action: Enter the filename, filetype, and filemode of the nucleus load map that corresponds to the level of the dump being processed. If the information is not available, a 'null' entry will cause processing to continue on a limited basis. If a null entry is made, the sorted, compressed load map will not be appended to the dump.

807I UNABLE TO LOCATE 'filename filetype filemode'

Explanation: After you responded to message DMMMAP806R, DMMMAP was unable to locate the filename entered.

System Action: Processing continues. DMMMAP806R is reissued.

User Action: Respond to message DMMMAP806R with name and location of the nucleus load map.

808I NUCLEUS MAP INVALID 'filename filetype filemode'

Explanation: Issued after you respond to message DMMMAP806R and the address of DMKCPEND in the dump does not correspond to the address of DMKCPEND in the load map.

System Action: Processing continues. Message DMMMAP806R is reissued.

User Action: Respond to DMMMAP806R with name and location of the nucleus load map.

809I REQUESTED ADDRESS NOT IN DUMP

Explanation: An address passed to the dump record read routine could not be found in the dump. Probably caused by a storage overlay or an invalid register address in the dump.

System Action: IPCS data extraction continues to gather dump information on a limited basis depending on the nature of the error.

User Action: None.

810I ERROR 'nnn' READING FILE 'filename filetype fm'

Explanation: An error occurred trying to read either NUC MAP or the file you specified in reply to message DMMMAP806R.

System Action: Processing continues.

User Action: For an explanation and detailed description of error nnn see the FSREAD macro in the VM/370 CMS Command and Macro Reference, GC20-1818. Correct the error and reply to the following DMMMAP806R message with the fileid or null.

Appendix A: Command-to-Message Cross-Reference

Below is an alpabetical listing of CP, CMS, RSCS, and IPCS commands and VM/370 service programs, together with their associated messages. Under each command, the messages are listed in message-number sequence within module code.

Note: These messages are not prefixed by program numbers, refer to the message section of this book to establish ownership.

CP Message Summary

ACNT
```
DMKACO425E  I/O ERROR DURING ACCOUNTING
DMKCPV003E  INVALID OPTION - option
DMKCPV007E  INVALID USERID - userid
DMKCPV020E  USERID MISSING OR INVALID
DMKCPV045E  userid NOT LOGGED ON
DMKCPV143E  type raddr IN USE BY SYSTEM
```

ADSTOP
```
DMKCFD004S  INVALID HEXLOC - hexloc
DMKCFD026E  OPERAND MISSING OR INVALID
DMKCFD160E  HEXLOC hexloc EXCEEDS STORAGE
DMKCFD164E  HEXLOC hexloc NON-ADDRESSABLE STORAGE
DMKVMA181E  SHARED SYSTEM name REPLACED WITH NON-SHARED COPY
```

ATTACH
```
DMKSSS070E  DEVICE NOT AVAILABLE - MSS DEVICES ALLOCATED
DMKSSS071E  DEVICE NOT AVAILABLE - MSS CANNOT BE ACCESSED
DMKSSS072E  DEVICE NOT AVAILABLE - 'raddr' NOT PROPER TYPE
DMKSSS074E  MISSING INTERRUPT - DEVICE 'raddr'
DMKSSS075E  DEVICE 'raddr' IS NOT AVAILABLE
DMKSSS078I  MSS MOUNT PROCEEDING FOR VOLUME 'volid'
DMKVDA003E  INVALID OPTION - option
DMKVDA006E  INVALID DEVICE TYPE - addr
DMKVDA020E  USERID MISSING OR INVALID
DMKVDA021E  RADDR MISSING OR INVALID raddr
DMKVDA022E  VADDR MISSING OR INVALID vaddr
DMKVDA023E  VOLID MISSING OR INVALID
DMKVDA034E  CHANNEL MISSING OR INVALID
DMKVDA040E  DEV addr DOES NOT EXIST
DMKVDA045E  userid NOT LOGGED ON
DMKVDA046E  type raddr OFFLINE
DMKVDA120E  type raddr NOT ATTACHED; userid vaddr ALREADY DEFINED
DMKVDA121E  type raddr NOT ATTACHED TO userid
DMKVDA122E  type raddr ALREADY ATTACHED to userid
DMKVDA123E  DASD raddr CP OWNED
DMKVDA124E  DASD raddr IN USE BY nnn USERS
DMKVDA125E  DASD raddr VOLID volid ALREADY ATTACHED TO SYSTEM
DMKVDA126E  DASD raddr ERROR READING VOLID
DMKVDA127E  DASD raddr VOLID volid DOES NOT MATCH
DMKVDA128E  DASD raddr ERROR READING ALLOCATION RECORD
DMKVDA131E  INSUFFICIENT FREE STORAGE AVAILABLE FOR ATTACH REQUEST
DMKVDA133E  DASD raddr NOT READY
DMKVDA134E  type vaddr NOT ATTACHED; CHAN x DEDICATED
DMKVDA139E  DASD  raddr NOT ATTACHED; 3330V NOT ACCEPTED AS SYSTEM VOLUME
DMKVDA142E  type raddr NOT DRAINED
DMKVDA143E  type raddr IN USE BY SYSTEM
```

ATTACH CHANNEL
```
DMKVCH034E  CHANNEL MISSING OR INVALID
DMKVCH048E  CHANNEL x DOES NOT EXIST
DMKVCH129E  CHANNEL x DEVICES IN USE
DMKVCH132E  CHANNEL x ALREADY DEFINED BY userid
DMKVDA020E  USERID MISSING OR INVALID
DMKVDA045E  userid NOT LOGGED ON
```

DMK

AUTOLOG
    DMKALG059E AUTOLOG FAILED FOR userid -
                {IPL MISSING|IPL FAILED|ACCOUNTING ERROR}
    DMKALG115E AUTOLOG INVALID; EXCESSIVE INCORRECT PASSWORDS

BACKSPAC
    DMKCSO003E INVALID OPTION - option
    DMKCSO006E INVALID DEVICE TYPE - addr
    DMKCSO021E RADDR MISSING OR INVALID
    DMKCSO040E DEV addr DOES NOT EXIST
    DMKCSO046E type raddr OFFLINE
    DMKCSO140E type raddr ATTACHED TO userid
    DMKCSO141E type raddr NOT ACTIVE
    DMKRSE240E PRT cuu, FCB-FORMS MISMATCH, FILEID nnn {HELD|PURGED}
    DMKRSE241E PRT cuu, INVALID LOAD MODULE mmmm SPECIFIED,
                FILE nnnn {HELD|PURGED}
    DMKRSE242I PRT cuu (3800) INTERVENTION REQD, STATUS CODE cc
    DMKRSE252I PRT cuu, FILE nnnn REQUEUED AND HELD
    DMKRSE255I PRT cuu, PAGE BUFFER DESTROYED, BACK UP PAGE COUNT = nnnn

BEGIN
    DMKCFC004S INVALID HEXLOC - hexloc

CHANGE
    DMKCSU003E INVALID OPTION - option
    DMKCSU006E INVALID DEVICE TYPE - addr
    DMKCSU008E INVALID SPOOLID - spoolid
    DMKCSU013E CONFLICTING OPERAND - operand
    DMKCSU026E OPERAND MISSING OR INVALID
    DMKCSU027E SPOOLID MISSING OR INVALID
    DMKCSU028E CLASS MISSING OR INVALID
    DMKCSU029E FNAME FTYPE MISSING OR INVALID
    DMKCSU030E COPIES MISSING OR INVALID
    DMKCSU032E DIST CODE MISSING OR INVALID
    DMKCSU035E DEVICE TYPE MISSING OR INVALID
    DMKCSU042E SPOOLID nnnn DOES NOT EXIST
    DMKCSU243E FLASH MISSING OR INVALID
    DMKCSU245E CHARS MISSING OR INVALID
    DMKCSU246E FCB MISSING OR INVALID
    DMKCSU253E MODIFY MISSING OR INVALID

CLOSE
    DMKCSP003E INVALID OPTION - option
    DMKCSP006E INVALID DEVICE TYPE - addr
    DMKCSP013E CONFLICTING OPERAND - operand
    DMKCSP022E VADDR MISSING OR INVALID
    DMKCSP029E FNAME FTYPE MISSING OR INVALID
    DMKCSP032E DIST CODE MISSING OR INVALID
    DMKCSP040E DEV addr DOES NOT EXIST

COUPLE
    DMKDIA006E INVALID DEVICE TYPE - addr
    DMKDIA011E INVALID DEVICE TYPE - userid vaddr
    DMKDIA020E USERID MISSING OR INVALID
    DMKDIA022E VADDR MISSING OR INVALID
    DMKDIA040E DEV addr DOES NOT EXIST
    DMKDIA045E userid NOT LOGGED ON
    DMKDIA047E userid vaddr DOES NOT EXIST
    DMKDIA058E CTCA vaddr BUSY ON userid

DCP
    DMKCDB003E INVALID OPTION - option
    DMKCDB004S INVALID HEXLOC - hexloc
    DMKCDB009E INVALID RANGE - range
    DMKCDB010E INVALID REGISTER - register
    DMKCDB026E OPERAND MISSING OR INVALID
    DMKCDB033E HEXLOC MISSING OR INVALID
    DMKCDB160E HEXLOC hexloc EXCEEDS STORAGE

DDR
    DMKDDR700E INPUT UNIT IS NOT A CPVOL
    DMKDDR701E INVALID OPERAND - xxxxxx
    DMKDDR702E CONTROL STATEMENT SEQUENCE ERROR

DDR (continued)
    DMKDDR703E OPERAND MISSING
    DMKDDR704E DEV cuu NOT OPERATIONAL
    DMKDDR705E IO ERROR cuu CSW csw SENSE sense
              INPUT bbcchh OUTPUT bbcchh CCW ccw
    DMKDDR705E IO ERROR cuu CSW csw SENSE sense
              INPUT bbcchh OUTPUT {bbcchh|nnnnnn} CCW ccw
    DMKDDR707E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE
    DMKDDR708E INVALID INPUT OR OUTPUT DEFINITION
    DMKDDR709E WRONG INPUT TAPE MOUNTED
    DMKDDR710A DEV cuu INTERVENTION REQUIRED
    DMKDDR711R VOLID READ IS volid2 {NOT volid1}
              DO YOU WISH TO CONTINUE? RESPOND YES NO OR REREAD:
    DMKDDR712E NUMBER OF EXTENTS EXCEEDS 20
    DMKDDR713E OVERLAPPING OR INVALID EXTENTS
    DMKDDR714E RECORD bbcchh NOT FOUND ON TAPE
    DMKDDR715E LOCATION bbcchh IS A FLAGGED TRACK
    DMKDDR716R NO VOL1 LABEL FOUND {FOR xxxxxx} DO YOU WISH TO CONTINUE?
              RESPOND YES OR NO OR REREAD:
    DMKDDR717R DATA DUMPED FROM volid1 TO BE RESTORED TO volid2.
              DO YOU WISH TO CONTINUE? RESPOND YES NO OR REREAD:
    DMKDDR718E OUTPUT UNIT IS FILE PROTECTED
    DMKDDR719E INVALID FILE NAME OR FILE NOT FOUND
    DMKDDR720E ERROR IN routine
    DMKDDR721E RECORD cchhr NOT FOUND
    DMKDDR722E OUTPUT UNIT NOT PROPERLY FORMATTED FOR THE CP NUCLEUS
    DMKDDR723E NO VALID CP NUCLEUS ON THE INPUT UNIT
    DMKDDR724E INPUT TAPE CONTAINS A CP NUCLEUS DUMP
    DMKDDR725R ORIGINAL INPUT DEVICE WAS (IS) LARGER THAN OUTPUT DEVICE.
              DO YOU WISH TO CONTINUE? RESPOND YES OR NO:
    DMKDDR726E MOVING DATA INTO THE ALTERNATE TRACK CYLINDER(S) IS PROHIBITED
    DMKDDR727E FLAGGED TRK xxxxxxxxxx HAS NO PROPER ALTERNATE; SKIPPING THIS TRK
    DMKDDR756E PROGRAM CHECK PSW = psw

DEFINE
    DMKDEF003E INVALID OPTION - option
    DMKDEF022E VADDR MISSING OR INVALID
    DMKDEF024E CYLS MISSING OR INVALID
    DMKDEF024E {CYLS|BLKS} MISSING OR INVALID
    DMKDEF025E STORAGE MISSING OR INVALID
    DMKDEF026E OPERAND MISSING OR INVALID
    DMKDEF040E DEV addr DOES NOT EXIST
    DMKDEF091E DASD vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE
    DMKDEF092E DEV vaddr NOT DEFINED; type vaddr ALREADY DEFINED
    DMKDEF094E STORAGE EXCEEDS ALLOWED MAXIMUM
    DMKDEF095E DEV vaddr NOT DEFINE; INSUFFICIENT FREE STORAGE
    DMKDEF136E DEV vaddr NOT DEFINED; CHAN x DEDICATED

DETACH
    DMKVDD006E INVALID DEVICE TYPE - addr
    DMKVDD020E USERID MISSING OR INVALID
    DMKVDD021E RADDR MISSING OR INVALID raddr
    DMKVDD022E VADDR MISSING OR INVALID vaddr
    DMKVDD040E DEV addr DOES NOT EXIST
    DMKVDD045E userid NOT LOGGED ON
    DMKVDD046E type raddr OFFLINE
    DMKVDD121E type raddr NOT ATTACHED to userid
    DMKVDD123E DASD raddr CP OWNED
    DMKVDD124E DASD raddr IN USE BY nnn USERS
    DMKVDD135E type vaddr NOT DETACHED; CHAN x DEDICATED
    DMKVDD140E type raddr ATTACHED TO userid
    DMKVDD142E type raddr NOT DRAINED
    DDMKVD143E type raddr IN USE BY SYSTEM

DETACH CHANNEL
    DMKVCH034E CHANNEL MISSING OR INVALID
    DMKVCH048E CHANNEL x DOES NOT EXIST
    DMKVCH130E CHANNEL x NOT ATTACHED TO userid
    DMKVCH138E CHANNEL x NOT ATTACHED; INSUFFICIENT STORAGE
    DMKVDD020E USERID MISSING OR INVALID
    DMKVDD034E CHANNEL MISSING OR INVALID

DMK

DIAL
    DMKDIA011E INVALID DEVICE TYPE - userid vaddr
    DMKDIA020E USERID MISSING OR INVALID
    DMKDIA022E VADDR MISSING OR INVALID
    DMKDIA045E userid NOT LOGGED ON
    DMKDIA047E userid vaddr DOES NOT EXIST
    DMKDIA055E LINE(S) NOT AVAILABLE ON userid
    DMKDIA056E LINE vaddr BUSY ON userid
    DMKDIA098E DEV rid MODE SWITCH NOT POSSIBLE
    DMKDIA707A DIAL FUNCTION NOT AVAILABLE

DIRECT
    DMKDIR751E INVALID OPERAND - xxxxxx
    DMKDIR752E STATEMENT SEQUENCE ERROR FOLLOWING USER user
    DMKDIR753E OPERAND MISSING
    DMKDIR754E DEV cuu NOT OPERATIONAL
    DMKDIR755E IO ERROR cuu CSW csw SENSE sense
    DMKDIR756E PROGRAM CHECK PSW = psw
    DMKDIR757E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE
    DMKDIR758E DUPLICATE UNIT DEFINITION
    DMKDIR760E NOT ENOUGH SPACE ALLOCATED FOR DIRECTORY
    DMKDIR761E VOLID READ IS volid1 NOT volid2
    DMKDIR762E DIRECTORY STATEMENT MISSING
    DMKDIR763E INVALID FILENAME OR FILE NOT FOUND
    DMKDIR764E ERROR IN routine

DISABLE
    DMKCPV003E INVALID OPTION - option
    DMKCPV006E INVALID DEVICE TYPE - addr
    DMKCPV021E RADDR MISSING OR INVALID
    DMKCPV026E OPERAND MISSING OR INVALID
    DMKCPV040E DEV addr DOES NOT EXIST
    DMKCPV046E type raddr OFFLINE
    DMKCPV140E type raddr ATTACHED TO userid

DISCONN
    DMKUSO003E INVALID OPTION - option

DISPLAY
    DMKCDM003E INVALID OPTION - option
    DMKCDM004S INVALID HEXLOC - hexloc
    DMKCDM009E INVALID RANGE - range
    DMKCDM010E INVALID REGISTER - register
    DMKCDM026E OPERAND MISSING OR INVALID
    DMKCDM160E HEXLOC hexloc EXCEEDS STORAGE

DMCP
    DMKCDM003E INVALID OPTION - option
    DMKCDM004S INVALID HEXLOC - hexloc
    DMKCDM009E INVALID RANGE - range
    DMKCDM033E HEXLOC MISSING OR INVALID
    DMKCDM160E HEXLOC hexloc EXCEEDS STORAGE

DRAIN
    DMKCSO003E INVALID OPTION - option
    DMKCSO006E INVALID DEVICE TYPE - addr
    DMKCSO021E RADDR MISSING OR INVALID
    DMKCSO040E DEV addr DOES NOT EXIST
    DMKCSO046E type raddr OFFLINE
    DMKCSO140E type raddr ATTACHED TO userid

DUMP
    DMKCDM003E INVALID OPTION - option
    DMKCDM004S INVALID HEXLOC - hexloc
    DMKCDM009E INVALID RANGE - range
    DMKCDM033E HEXLOC MISSING OR INVALID
    DMKCDM060E DUMP FAILED; VIRTUAL PRINTER UNAVAILABLE
    DMKCDM061E DUMP FAILED; VIRTUAL PRINTER ERROR
    DMKCDM160E HEXLOC hexloc EXCEEDS STORAGE

ECHO
    None.

```
ENABLE
    DMKCPV003E INVALID OPTION - option
    DMKCPV006E INVALID DEVICE TYPE - addr
    DMKCPV021E RADDR MISSING OR INVALID
    DMKCPV026E OPERAND MISSING OR INVALID
    DMKCPV040E DEV addr DOES NOT EXIST
    DMKCPV046E type raddr OFFLINE
    DMKCPV140E type raddr ATTACHED to userid

EXTERNAL
    DMKCPB005E INVALID HEXDATA - hexdata

FLUSH
    DMKCSO003E INVALID OPTION - option
    DMKCSO006E INVALID DEVICE TYPE - addr
    DMKSCO013E CONFLICTING OPERAND - operand
    DMKCSO021E RADDR MISSING OR INVALID
    DMKCSO040E DEV addr DOES NOT EXIST
    DMKCSO046E type raddr OFFLINE
    DMKCSO140E type raddr ATTACHED TO userid
    DMKCSO141E type raddr NOT ACTIVE

FORCE
    DMKUSO003E INVALID OPTION - option
    DMKUSO020E USERID MISSING OR INVALID
    DMKUSO045E userid NOT LOGGED ON

FREE
    DMKCSP006E INVALID DEVICE TYPE - addr
    DMKCSP007E INVALID USERID - userid
    DMKCSP020E USERID MISSING OR INVALID
    DMKCSP053E userid NOT IN CP DIRECTORY

HALT
    DMKCPS021E RADDR MISSING OR INVALID
    DMKCPS040E DEV addr DOES NOT EXIST
    DMKCPS144W type vaddr RESET BY userid

HOLD
    DMKCPI958I ATTACHED PROCESSOR NOT OPERATIONAL
    DMKCPI959W ATTACHED PROCESSOR NOT ONLINE
    DMKCSP006E INVALID DEVICE TYPE - addr
    DMKCSP007E INVALID USERID - userid
    DMKCSP020E USERID MISSING OR INVALID
    DMKCSP053E userid NOT IN CP DIRECTORY
    DMKTCS240E PRT cuu, PRT FCB-FORMS MISMATCH, FILEID nnnn {HELD|PURGED}
    DMKTCS241E PRT cuu, INVALID LOAD MODULE mmmm SPECIFIED,
               FILE nnnn {HELD|PURGED}

INDICATE
    DMKTHI002E INVALID OPERAND - operand
    DMKTHI003E INVALID OPTION - option
    DMKTHI026E OPERAND MISSING OR INVALID
    DMKTHI045E userid NOT LOGGED ON

IPL
    DMKCFG002E INVALID OPERAND - operand
    DMKCFG003E INVALID OPTION - option
    DMKCFG013E CONFLICTING OPTION - option
    DMKCFG022E VADDR MISSING OR INVALID
    DMKCFG026E OPERAND MISSING OR INVALID
    DMKCFG040E DEV addr DOES NOT EXIST
    DMKCFG044E SYSTEM name DOES NOT EXIST
    DMKCFG083E VMSAVE AREA DOES NOT CONTAIN A VALID SAVED SYSTEM
    DMKCFG170E SYSTEM name EXCEEDS STORAGE
    DMKCFG171E SYSTEM name VOLID volid NOT MOUNTED
    DMKCFG172E SYSTEM name DASD vaddr INCOMPATIBLE SYSRES
    DMKCFG173E SYSTEM name REQUIRES DASD vaddr
    DMKCFG174E PAGING I/O ERROR; IPL FAILED
    DMKCFG177E PARM EXCEEDS 64 CHARACTERS
    DMKCFG203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS
    DMKCLK437E NO DASD SPACE AVAILABLE - IPL TERMINATED
    DMKCLK970W TOD CLOCK SYNC CHECK RECEIVED
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IPL (continued)
    DMKCPI185E ECPS LEVEL xx DOES NOT MATCH CP LEVEL yy
    DMKCPI913I CP OWNED VOLID xxxxxx INVALID FOR 3330V
    DMKCPI958I ATTACHED PROCESSOR NOT OPERATIONAL
    DMKCPI959W ATTACHED PROCESSOR NOT ONLINE
    DMKVMI022E VADDR MISSING OR INVALID
    DMKVMI230E IPL SIO ERROR
    DMKVMI231E IPL TIO ERROR
    DMKVMI232E IPL UNIT ERROR;   CSW xxxxxxxx xxxxxxxx SNS xxxxxxxxxxxx
    DMKVMI233E IPL OVERLAY ERROR
    DMKVMI234E IPL SENSE ERROR

JOURNAL
    DMKJRL145I USERID: userid AT term-raddr WITH INVALID PASSWORD NO. xxx (pswd)
               HAS VIOLATED THE LIMIT OF yyy [,A=auserid]

LINK
    DMKLNK020E USERID MISSING OR INVALID
    DMKLNK022E VADDR MISSING OR INVALID
    DMKLNK052E ERROR IN CP DIRECTORY
    DMKLNK053E userid NOT IN CP DIRECTORY
    DMKLNK101W DASD vaddr FORCED R/O; R/O BY nnn USERS
    DMKLNK102W DASD vaddr FORCED R/O; R/W BY nnn USERS
    DMKLNK103W DASD vaddr FORCED R/O; R/W BY nnn USERS; R/O BY nnn USERS
    DMKLNK104E userid vaddr NOT LINKED; R/O BY nnn USERS
    DMKLNK105E userid vaddr NOT LINKED; R/W BY nnn USERS
    DMKLNK106E userid vaddr NOT LINKED; R/W BY nnn USERS; R/O BY nnn USERS
    DMKLNK107E userid vaddr NOT LINKED; NOT IN CP DIRECTORY
    DMKLNK108E userid vaddr NOT LINKED; VOLID volid NOT MOUNTED
    DMKLNK109E userid vaddr NOT lINKED; INVALID LINK DEVICE
    DMKLNK110E userid vaddr NOT LINKED; type vaddr ALREADY DEFINED
    DMKLNK111E userid vaddr NOT LINED; NO READ PASSWORD
    DMKLNK112E userid vaddr NOT LINKED; NO WRITE PASSWORD
    DMKLNK113E userid vaddr NOT LINKED; NO MULT PASSWORD
    DMKLNK114E userid vaddr NOT LINKED; PASSWORD INCORRECT
    DMKLNK115E LINK INVALID; EXCESSIVE INCORRECT PASSWORDS
    DMKLNK116E USERID xxx NOT LINKED; CP DIRECTORY IN USE
    DMKLNK117E USERID USERID NOT LINKED; VOLID volid CONFLICT
    DMKLNK118E userid raddr NOT LINKED; COMMAND FORMAT NOT VALID
    DMKLNK119E USERID vaddr NOT LINKED; INSUFFICIENT FREE STORAGE
    DMKLNK137E DASD vaddr NOT LINKED; CHAN x DEDICATED
    DMKLNK139E DASD addr NOT LINKED; 3330V NOT ACCEPTED AS SYSTEM VOLUME
    DMKSSS070E DEVICE NOT AVAILABLE - MSS DEVICES ALLOCATED
    DMKSSS071E DEVICE NOT AVAILABLE - MSS CANNOT BE ACCESSED
    DMKSSS073E DEVICE NOT AVAILABLE - MSS ERROR
    DMKSSS078I MSS MOUNT PROCEDDING FOR VOLUME 'volid'

LOADBUF
    DMKCSB003E INVALID OPTION - option
    DMKCSB006E INVALID DEVICE TYPE - addr
    DMKCSB013E CONFLICTING OPERAND - operand
    DMKCSB021E RADDR MISSING OR INVALID
    DMKCSB026E OPERAND MISSING OR INVALID
    DMKCSB031E BUFFER MISSING OR INVALID
    DMKCSB036E INDEX MISSING OR INVALID
    DMKCSB046E type raddr OFFLINE
    DMKCSB040E DEV addr DOES NOT EXIST
    DMKCSB043E BUFFER name DOES NOT EXIST
    DMKCSB140E type raddr ATTACHED TO userid
    DMKCSB142E type raddr NOT DRAINED
    DMKCSB148E type raddr BUFFER LOAD name FAILED

LOADVFCB
    DMKCSB006E INVALID DEVICE TYPE - addr
    DMKCSB022E VADDR MISSING OR INVALID
    DMKCSB026E OPERAND MISSING OR INVALID
    DMKCSB031E BUFFER MISSING OR INVALID
    DMSCSB036E INDEX MISSING OR INVALID
    DMKCSB040E DEV addr DOES NOT EXIST
    DMKCSB043E BUFFER name DOES NOT EXIST

LOCATE
    DMKCFD021E RADDR MISSING OR INVALID
    DMKCFD022E VADDR MISSING OR INVALID
    DMKCFD026E OPERAND MISSING OR INVALID
    DMKCFD040E DEV addr DOES NOT EXIST

LOCK
    DMKCPV004S INVALID HEXLOC - hexloc
    DMKCPV009E INVALID RANGE - range
    DMKCPV020E USERID MISSING OR INVALID
    DMKCPV033E HEXLOC MISSING OR INVALID
    DMKCPV045E userid NOT LOGGED ON
    DMKCPV160E HEXLOC hexloc EXCEEDS STORAGE
    DMKCPV165I PAGE hexloc NOT LOCKED; SHARED PAGE

LOGON
    DMKLOG003E INVALID OPTION - option
    DMKLOG020E USERID MISSING OR INVALID
    DMKLOG050E PASSWORD INCORRECT
    DMKLOG051E MAXIMUM USERS EXCEEDED
    DMKLOG052E ERROR IN CP DIRECTORY
    DMKLOG053E userid NOT IN CP DIRECTORY
    DMKLOG067E COMMAND FORMAT NOT VALID
    DMKLOG054E ALREADY LOGGED ON {LINE|GRAF} raddr
    DMKLOG080E NO PREALLOCATED VMSAVE AREA
    DMKLOG081W VMSAVE AREA CONTAINS A SAVED SYSTEM, MUST USE SET COMMAND
    DMKLOG082E MORE THAN ONE VMSAVE AREA ALLOCATED, MUST SPECIFY AREA NAME
    DMKLOG090E DEV vaddr NOT DEFINED; DEV {raddr|volser} NOT AVAILABLE
    DMKLOG091E DASD vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE
    DMKLOG092E DEV vaddr NOT DEFINED; type vaddr ALREADY DEFINED
    DMKLOG093E DEV vaddr NOT DEFINED; ERROR IN CP DIRECTORY
    DMKLOG095E DEV vaddr NOT DEFINED; INSUFFICIENT FREE STORAGE
    DMKLOG131E INSUFFICIENT FREE STORAGE AVAILABLE FOR LOGON REQUEST
    DMKLOG188E SPECIFIED PROCESSOR UNAVAILABLE
    DMKLOG189I AFFINITY NOT SET; SYSTEM IN UNIPROCESSOR MODE
    DMKSSS070E DEVICE NOT AVAILABLE - MSS DEVICES ALLOCATED
    DMKSSS071E DEVICE NOT AVAILABLE - MSS CANNOT BE ACCESSED
    DMKSSS072E DEVICE NOT AVAILABLE - 'raddr' NOT PROPER TYPE
    DMKSSS073E DEVICE NOT AVAILABLE - MSS ERROR
    DMKSSS078I MSS MOUNT PROCEEDING FOR VOLUME 'volid'
    DMKLOG250E 370E IS NOT AVAILABLE (ON PROC xx)
    DMKLOG251E 370E IS NOT ACTIVE

LOGOFF
    DMKUSO003E INVALID OPTION - option

MONITOR
    DMKMCC002E INVALID OPERAND - operand
    DMKMCC003E INVALID OPTION - option
    DMKMCC006E INVALID DEVICE TYPE - addr
    DMKMCC021E RADDR MISSING OR INVALID
    DMKMCC026E OPERAND MISSING OR INVALID
    DMKMCC040E DEV addr DOES NOT EXIST
    DMKMCC046E type raddr OFFLINE
    DMKMCC140E type raddr ATTACHED TO userid
    DMKMCC143E type raddr IN USE BY SYSTEM
    DMKMCC211E MONITOR TAPE IS ALREADY ACTIVE
    DMKMCD212E MONITOR TAPE IS NOT ACTIVE
    DMKMCC213E MONITOR CPTRACE IS ALREADY ACTIVE
    DMKMCD214E MONITOR CPTRACE IS NOT ACTIVE
    DMKMCC215E MONITOR ACTIVE; DASTAP CANNOT BE ENABLED DYNAMICALLY
    DMKMCC216E SYSPROF CLASS REQUIRES SCHEDULE AND DASTAP
    DMKMCC217E MONITOR TAPE NOT STARTED, NO CLASS ENABLED
    DMKMCD218E MONITOR NOT STOPPED, OUTSTANDING TAPE I/O
    DMKMCD002E INVALID OPERAND - operand
    DMKMCD021E RADDR MISSING OR INVALID
    DMKMCD026E OPERAND MISSING OR INVALID
    DMKMCD040E DEV addr DOES NOT EXIST
    DMKMON219I END OF MONITOR TAPE, MONITOR STOPPED BY SYSTEM
    DMKMON220I ERROR ON MONITOR TAPE, MONITOR STOPPED BY SYSTEM
    DMKMCC221E MONITOR TO SPOOL IS ALREADY ACTIVE
    DMKMCD222E TIME PARAMETER SPECIFIES INVALID TIME

DMK

MONITOR (continued)
    DMKMCD223E START TIME MUST PRECEDE STOP TIME
    DMKMCD224E LIMIT MUST BE BETWEEN 10 and 50000
    DMKMNI225E INVALID MONITOR USERID SPECIFIED, MON NOT STARTED
    DMKMCD226E FOR VALUE SPANS MIDNIGHT - COMMAND INVALID
    DMKMCD227E FOR OPTION INVALID WITH AUTODISK OFF
    DMKMCD228E FOR OPTION INVALID WITH MONITOR ON
    DMKMIA229E MONITOR OUT OF DASD PAGES, IS SHUTTING OFF

MSG
    DMKMSG003E INVALID OPTION - option
    DMKMSG020E USERID MISSING OR INVALID
    DMKMSG045E userid NOT LOGGED ON
    DMKMSG057W userid NOT RECEIVING; DISCONNECTED

NCPDUMP
    DMKRND850I UNABLE TO READ DUMP FROM READER
    DMKRND852I FATAL I/O ERROR WRITING DUMP
    DMKRND853I NO DUMP FILES EXIST
    DMKRND860I FATAL I/O ERROR READING DUMP
    DMKRND861E DUMP FILE 'filename' NOT FOUND
    DMKRND863E INVALID PARAMETER - parameter

NETWORK
    DMKNES002E INVALID OPERAND - operand
    DMKNES004S INVALID HEXLOC - hexloc
    DMKNES006E INVALID DEVICE TYPE - raddr
    DMKNES009E INVALID RANGE - range
    DMKNES021E RADDR MISSING OR INVALID
    DMKNES026E OPERAND MISSING OR INVALID
    DMKNES040E DEV raddr DOES NOT EXIST
    DMKNES046E {DEV rid|type raddr} OFFLINE
    DMKNES049E type raddr IN USE
    DMKNES098E DEV rid MODE SWITCH NOT POSSIBLE
    DMKNES140E CTLR raddr ATTACHED TO userid
    DMKNES160E HEXLOC hexloc EXCEEDS STORAGE
    DMKNES175E {NETWORK|TRACE} ALREADY IN USE BY USERID
    DMKNES706E LINE addr NOT ENABLED
    DMKNET002E INVALID OPERAND - operand
    DMKNET003E INVALID OPTION - option
    DMKNET004S INVALID HEXLOC - hexloc
    DMKNET006E INVALID DEVICE TYPE - raddr
    DMKNET009E INVALID RANGE - range
    DMKNET021E RADDR MISSING OR INVALID
    DMKNET026E OPERAND MISSING OR INVALID
    DMKNET033E HEXLOC MISSING OR INVALID
    DMKNET040E DEV raddr DOES NOT EXIST
    DMKNET046E {DEV rid|type raddr} OFFLINE
    DMKNET049E type raddr IN USE
    DMKNET098E DEV rid MODE SWITCH NOT POSSIBLE
    DMKNET140E type raddr ATTACHED TO userid
    DMKNET160E HEXLOC hexloc EXCEEDS STORAGE
    DMKNLD002E INVALID OPERAND - operand
    DMKNLD006E INVALID DEVICE TYPE - raddr
    DMKNLD021E RADDR MISSING OR INVALID
    DMKNLD026E OPERAND MISSING OR INVALID
    DMKNLD040E DEV addr DOES NOT EXIST
    DMKNLD044E SYSTEM name DOES NOT EXIST
    DMKNLD046E CTLR raddr OFFLINE
    DMKNLD140E CTLR raddr ATTACHED TO userid
    DMKNLD143E CTLR 'raddr' IN USE BY SYSTEM
    DMKNLD471E CTLR raddr LOAD FAILED: UNRECOVERABLE I/O ERROR
    DMKNLD170E SYSTEM name EXCEEDS STORAGE
    DMKNLD171E SYSTEM name VOLID volid NOT MOUNTED
    DMKNLD460E CTLR raddr LOAD FAILED: PROGRAM CHECK
    DMKNLD461R CTLR raddr IPL NOT REQUIRED; ENTER 'YES' TO CONTINUE
    DMKNLD470E CTLR raddr LOAD FAILED: PAGING I/O ERROR
    DMKNLE003E INVALID OPTION - option
    DMKNLE006E INVALID DEVICE TYPE - raddr
    DMKNLE021E RADDR MISSING OR INVALID
    DMKNLE040E DEV addr DOES NOT EXIST
    DMKNLE046E CTLR raddr OFFLINE

NETWORK (continued)
    DMKNLE140E CTLR raddr ATTACHED TO userid
    DMKNLE143E CTLR 'raddr' IN USE BY SYSTEM
    DMKNLE460E CTRL raddr DUMP FAILED: PROGRAM CHECK
    DMKNLE461R CTRL raddr IPL NOT REQUIRED; ENTER 'YES' TO CONTINUE
    DMKNLE464I CTRL raddr CC = 3; DEPRESS 370X "LOAD" BUTTON
    DMKNLE469E CTRL raddr DUMP FAILED; TEMP SPACE NOT AVAILABLE
    DMKNLE470E CTRL raddr DUMP FAILED: PAGING I/O ERROR
    DMKNLE471E CTRL raddr DUMP FAILED: UNRECOVERABLE I/O ERROR

NOTREADY
    DMKCPB006E INVALID DEVICE TYPE - addr
    DMKCPB022E VADDR MISSING OR INVALID
    DMKCPB040E DEV addr DOES NOT EXIST

ORDER
    DMKCSU003E INVALID OPTION - option
    DMKCSU006E INVALID DEVICE TYPE - addr
    DMKCSU008E INVALID SPOOLID -spoolid
    DMKCSU026E OPERAND MISSING OR INVALID
    DMKCSU027E SPOOLID MISSING OR INVALID
    DMKCSU028E CLASS MISSING OR INVALID
    DMKCSU035E DEVICE TYPE MISSING OR INVALID
    DMKCSU042E SPOOLID nnnn DOES NOT EXIST

PURGE
    DMKCSU003E INVALID OPTION - option
    DMKCSU006E INVALID DEVICE TYPE - addr
    DMKCSU008E INVALID SPOOLID -spoolid
    DMKCSU026E OPERAND MISSING OR INVALID
    DMKCSU028E CLASS MISSING OR INVALID
    DMKCSU035E DEVICE TYPE MISSING OR INVALID
    DMKCSU042E SPOOLID nnnn DOES NOT EXIST
    DMKTCS240E PRT cuu, FCB-FORMS MISMATCH, FILEID nnnn {HELD|PURGED}
    DMKTCS241E PRT cuu, INVALID LOAD MODULE mmmm SPECIFIED,
               FILE nnnn {HELD|PURGED}

QUERY
    DMKCFC026E OPERAND MISSING OR INVALID
    DMKCQG020E USERID MISSING OR INVALID
    DMKCQG022E VADDR MISSING OR INVALID
    DMKCQG027E SPOOLID MISSING OR INVALID
    DMKCQG040E DEV addr DOES NOT EXIST
    DMKCQG042E SPOOLID nnnn DOES NOT EXIST
    DMKCQG045E userid NOT LOGGED ON
    DMKCQP003E INVALID OPTION - option
    DMKCQP006E INVALID DEVICE TYPE - addr
    DMKCQP020E USERID MISSING OR INVALID
    DMKCQP021E RADDR MISSING OR INVALID
    DMKCQP022E VADDR MISSING OR INVALID
    DMKCQP040E DEV addr DOES NOT EXIST
    DMKCQP045E userid NOT LOGGED ON
    DMKCQP466I CTLR cuu IN BUFFER SLOWDOWN MODE
    DMKCQR003E INVALID OPTION - option
    DMKCQR020E USERID MISSING OR INVALID
    DMKCQR026E OPERAND MISSING OR INVALID
    DMKCQR028E CLASS MISSING OR INVALID
    DMKCQR045E userid NOT LOGGED ON
    DMKCQY020E USERID MISSING OR INVALID
    DMKCQY026E OPERAND MISSING OR INVALID
    DMKCQY045E userid NOT LOGGED ON

QVM
DMKQVM020E USERID MISSING OR INVALID
DMKQVM800E COMMAND REJECTED, OTHER VIRTUAL MACHINES LOGGED ON
DMKQVM801E FREE STORAGE PAGE IS NOT AVAILABLE
DMKQVM802E COMMAND REJECTED, DEVICES NOT DEDICATED
DMKQVM803E COMMAND REJECTED, SPOOL DEVICES NOT DRAINED
DMKQVM806E COMMAND REJECTED, VIRTUAL ADDRESS NOT EQUAL TO REAL ADDRESS
DMKQVM807E COMMAND REJECTED, VM/370 ATTACHED PROCESSOR MODE
DMKQVM809E COMMAND REJECTED, TRACE/ADSTOP IN EFFECT

DMK

READY
    DMKCPB022E VADDR MISSING OR INVALID
    DMKCPB040E DEV addr DOES NOT EXIST
    DMKCPV006E INVALID DEVICE TYPE - addr

REPEAT
    DMKCSO003E INVALID OPTION - option
    DMKCSO006E INVALID DEVICE TYPE - addr
    DMKCSO013E CONFLICTING OPERAND - operand
    DMKCSO021E RADDR MISSING OR INVALID
    DMKCSO030E COPIES MISSING OR INVALID
    DMKCSO040E DEV addr DOES NOT EXIST
    DMKCSO046E type raddr OFFLINE
    DMKCSO140E type raddr ATTACHED TO userid
    DMKCSO141E type raddr NOT ACTIVE

RESET
    DMKCPB022E VADDR MISSING OR INVALID
    DMKCPB040E DEV addr DOES NOT EXIST

REWIND
    DMKCPB006E INVALID DEVICE TYPE - addr
    DMKCPB022E VADDR MISSING OR INVALID
    DMKCPB040E DEV addr DOES NOT EXIST

SAVESYS
    DMKCFH026E OPERAND MISSING OR INVALID
    DMKCFH044E SYSTEM name DOES NOT EXIST
    DMKCFH170E SYSTEM name EXCEEDS STORAGE
    DMKCFH171E SYSTEM name VOLID volid NOT MOUNTED
    DMKCFH172E SYSTEM name DASD vaddr INCOMPATIBLE SYSRES
    DMKCFH173E SYSTEM name REQUIRES DASD vaddr
    DMKCFH179E SYSTEM name VOLID volid NOT CP OWNED
    DMKCFH300E SAVE REQUEST BEYOND VIRTUAL MACHINE SIZE
    DMKCFH435E PAGING ERROR WRITING SAVED SYSTEM
    DMKCFH436E INTERRUPT PENDING. TO PROCEED, TYPE YES. TO END, TYPE NO.

SET
    DMKCFO003E INVALID OPTION - option
    DMKCFO006E INVALID DEVICE TYPE - addr
    DMKCFO013E CONFLICTING OPTION - option
    DMKCFO020E USERID MISSING OR INVALID
    DMKCFO021E RADDR MISSING OR INVALID
    DMKCFO026E OPERAND MISSING OR INVALID
    DMKCFO040E DEV addr DOES NOT EXIST
    DMKCFO041E LOGMSG nn DOES NOT EXIST
    DMKCFO045E userid NOT LOGGED ON
    DMKCFO046E type raddr OFFLINE
    DMKCFO140E type raddr ATTACHED TO userid
    DMKCFO143E type raddr IN USE BY SYSTEM
    DMKCFO175E {FAVORED|RESERVE} ALREADY IN USE BY userid
    DMKCFO184E VM ASSIST NOT AVAILABLE {ON PROCESSOR proc addr}
    DMKCFO186E CP ASSIST NOT AVAILABLE
    DMKCFO188E SPECIFIED PROCESSOR UNAVAILABLE
    DMKCFO250E 370E IS NOT AVAILABLE (ON PROC xx)
    DMKCFO255W 370E FEATURE NOW DISABLED
    DMKCFS003E INVALID OPTION - option
    DMKCFS006E INVALID DEVICE TYPE - addr
    DMKCFS026E OPERAND MISSING OR INVALID
    DMKCFS045E userid NOT LOGGED ON
    DMKCFS046E DEV type raddr OFFLINE
    DMKCFS052E ERROR IN CP DIRECTORY
    DMKCFS053E userid NOT IN CP DIRECTORY
    DMKCFS140E type raddr ATTACHED TO userid
    DMKCFS183E VM ASSIST NOT ACTIVE
    DMKCFS184E VM ASSIST NOT AVAILABLE
    DMKCFS187E TIMER ASSIST NOT AVAILABLE
    DMKCFS188E SPECIFIED PROCESSOR UNAVAILABLE
    DMKCFS189E AFFINITY NOT SET; SYSTEM IN UNIPROCESSOR MODE
    DMKCFS190I NO AFFINITY SET IN THE DIRECTORY
    DMKCFS250E 370E IS NOT AVAILABLE (ON PROC xx)

SET (continued)
    DMKCFS251E 370E IS NOT ACTIVE
    DMKCFV062E ECMODE NOT SET ON
    DMKCFV063E SHADOW TABLE BYPASS; NOT SET
    DMKCFV080E NO PREALLOCATED VMSAVE AREA
    DMKCFV082E MORE THAN ONE VMSAVE AREA ALLOCATED; MUST SPECIFY AREA NAME
    DMKMCH003E INVALID OPTION - option
    DMKMCH026E OPERAND MISSING OR INVALID
    DMKMSG003E INVALID OPTION - option
    DMKVAT064E SHADOW TABLE BYPASS; RESET

SHUTDOWN
    None.

SLEEP
    DMKCFC002E INVALID OPERAND - operand

SMSG
    DMKMSG002E USERID MISSING OR INVALID
    DMKMSG045E userid NOT LOGGED ON
    DMKMSG057W userid NOT RECEIVING; {DISCONNECTED|SMSG OFF|NOT AUTHORIZED|WNG OFF}

SPACE
    DMKCSO006E INVALID DEVICE TYPE - addr
    DMKCSO021E RADDR MISSING OR INVALID
    DMKCSO040E DEV addr DOES NOT EXIST
    DMKCSO046E type raddr OFFLINE
    DMKCSO140E type raddr ATTACHED TO userid
    DMKCSO141E type raddr NOT ACTIVE
    DMKSPS026E OPERAND MISSING OR INVALID
    DMKSPS028E CLASS MISSING OR INVALID
    DMKSPS037E TAPE raddr INVALID FOR STORAGE COMMAND
    DMKSPS026E OPERAND MISSING OR INVALID
    DMKSPS028E CLASS MISSING OR INVALID
    DMKSPS037E TAPE raddr INVALID FOR STORAGE COMMAND
    DMKSPS426E {RDR|TAPE} raddr SPOOL SPACE FULL; FILE PURGED
    DMKSPS428E {PRT|PUN|RDR|TAPE} raddr SPOOL ERROR; FILE {HELD|PURGED}
    DMKSPT002E INVALID OPERAND - operand
    DMKSPT003E INVALID OPTION - option
    DMKSPT006E INVALID DEVICE TYPE - addr
    DMKSPT008E INVALID SPOOLID - spoolid
    DMKSPT021E RADDR MISSING OR INVALID
    DMKSPT040E DEV addr DOES NOT EXIST
    DMKSPT046E {DEV rid|type raddr} OFFLINE
    DMKSPT140E type raddr ATTACHED TO userid
    DMKSPT143E type raddr IN USE BY SYSTEM

SPMODE
    DMKSPM026E OPERAND MISSING OR INVALID
    DMKSPM804E SINGLE PROCESSOR MODE ON REJECTED
    DMKSPM805E SINGLE PROCESSOR MODE OFF REJECTED
    DMKSPM808I SINGLE PROCESSOR MODE ACTIVE

SPOOL
    DMKCSP003E INVALID OPTION - option
    DMKCSP006E INVALID DEVICE TYPE - addr
    DMKCSP007E INVALID USERID - userid
    DMKCSP013E CONFLICTING OPERAND - operand
    DMKCSP020E USERID MISSING OR INVALID
    DMKCSP022E VADDR MISSING OR INVALID
    DMKCSP026E OPERAND MISSING OR INVALID
    DMKCSP028E CLASS MISSING OR INVALID
    DMKCSP030E COPIES MISSING OR INVALID
    DMKCSP040E DEV addr DOES NOT EXIST
    DMKCSP053E userid NOT IN CP DIRECTORY
    DMKCSP243E FLASH MISSING OR INVALID
    DMKCSP245E CHARS MISSING OR INVALID
    DMKCSP246E FCB MISSING OR INVALID
    DMKCSP253E MODIFY MISSING OR INVALID

DMK

START
    DMKCSO003E INVALID OPTION - option
    DMKCSO006E INVALID DEVICE TYPE - addr
    DMKCSO013E CONFLICTING OPERAND - operand
    DMKCSO021E RADDR MISSING OR INVALID
    DMKCSO028E CLASS MISSING OR INVALID
    DMKCSO040E DEV addr DOES NOT EXIST
    DMKCSO046E type raddr OFFLINE
    DMKCSO140E type raddr ATTACHED TO userid
    DMKCSO243E FLASH MISSING OR INVALID
    DMKCSO245E CHARS MISSING OR INVALID
    DMKCSO246E FCB MISSING OR INVALID
    DMKCSO253E MODIFY MISSING OR INVALID

STCP
    DMKCDS004S INVALID HEXLOC - hexloc
    DMKCDS005E INVALID HEXDATA - hexdata
    DMKCDS026E OPERAND MISSING OR INVALID
    DMKCDS033E HEXLOC MISSING OR INVALID
    DMKCDS160E HEXLOC hexloc EXCEEDS STORAGE
    DMKCDS162E INVALID ECR x - hexdata
    DMKCDS166E CHANGED SHARED PAGE NOT WRITTEN TO AUXILIARY STORAGE
    DMKVMA161E SHARED PAGE hexloc ALTERED BY userid

STORE
    DMKCDS004S INVALID HEXLOC - hexloc
    DMKCDS005E INVALID HEXDATA - hexdata
    DMKCDS010E INVALID REGISTER - register
    DMKCDS012E INVALID PSW - psw
    DMKCDS026E OPERAND MISSING OR INVALID
    DMKCDS033E HEXLOC MISSING OR INVALID
    DMKCDS160E HEXLOC hexloc EXCEEDS STORAGE
    DMKCDS162E INVALID ECR x - hexdata
    DMKCDS163E STORE EXCEEDS MAXIMUM REGISTER
    DMKCDS164E HEXLOC hexloc NON-ADDRESSABLE STORAGE
    DMKCDS166E CHANGED SHARED PAGE NOT WRITTEN TO AUXILIARY STORAGE
    DMKVMA181E SHARED SYSTEM name REPLACED WITH NON-SHARED COPY

SYSTEM
    DMKCPB012E INVALID PSW - psw
    DMKCPB026E OPERAND MISSING OR INVALID

TAG
    DMKCST003E INVALID OPTION - option
    DMKCST006E INVALID DEVICE TYPE - addr
    DMKCST022E VADDR MISSING OR INVALID
    DMKCST026E OPERAND MISSING OR INVALID
    DMKCST027E SPOOLID MISSING OR INVALID
    DMKCST040E DEV addr DOES NOT EXIST
    DMKCST042E SPOOLID nnnn DOES NOT EXIST
    DMKCST424E RDR FILE SPOOL ERROR; FILE UNCHANGED

TERMINAL
    DMKCFT002E INVALID OPERAND - operand
    DMKCFT006E INVALID DEVICE TYPE - addr
    DMKCFT026E OPERAND MISSING OR INVALID

TRACE
    DMKTRA002E INVALID OPERAND - operand
    DMKTRA003E INVALID OPTION - option
    DMKTRA013E CONFLICTING OPERAND - operand
    DMKTRA026E OPERAND MISSING OR INVALID
    DMKTRA180E TRACE NOT IN EFFECT
    DMKVMA181E SHARED SYSTEM name REPLACED WITH NON-SHARED COPY

TRANSFER
    DMKCSU003E INVALID OPTION - option
    DMKCSU007E INVALID USERID - userid
    DMKCSU008E INVALID SPOOLID - spoolid
    DMKCSU020E USERID MISSING OR INVALID
    DMKCSU026E OPERAND MISSING OR INVALID
    DMKCSU027E SPOOLID MISSING OR INVALID

TRANSFER (continued)
      DMKCSU028E CLASS MISSING OR INVALID
      DMKCSU042E SPOOLID nnnn DOES NOT EXIST
      DMKCSU053E userid NOT IN CP DIRECTORY

UNLOCK
      DMKCPV004S INVALID HEXLOC - hexloc
      DMKCPV009E INVALID RANGE - range
      DMKCPV020E USERID MISSING OR INVALID
      DMKCPV033E HEXLOC MISSING OR INVALID
      DMKCPV045E userid NOT LOGGED ON
      DMKCPV160E HEXLOC hexloc EXCEEDS STORAGE
      DMKCPV165I PAGE 'hexloc' NOT LOCKED; SHARED PAGE
      DMKCPV176E VIRTUAL = REAL AREA IN USE BY {USERID|SYSTEM}
      DMKCPV202E VIRT=REAL AREA NOT AVAILABLE; INSUFFICIENT STORAGE
      DMKCPV203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS
      DMKCPV204E INVALID PAGES(S) SPECIFIED, V=R AREA

VARY
      DMKCPS003E INVALID OPTION - option
      DMKCPS021E RADDR MISSING OR INVALID
      DMKCPS026E OPERAND MISSING OR INVALID
      DMKCPS040E DEV addr DOES NOT EXIST
      DMKCPS049E type raddr IN USE
      DMKCPS123E DASD raddr CP OWNED
      DMKCPS124E DASD raddr IN USE BY nnn USERS
      DMKCPS140E type raddr ATTACHED TO userid
      DMKCPS142E type raddr NOT DRAINED
      DMKCPS143E type raddr IN USE BY SYSTEM
      DMKCPS192E VARY PROCESSOR COMMAND FAILED
      DMKCPU021E RADDR MISSING OR INVALID
      DMKCPU191E PROCESSOR nn DOES NOT EXIST
      DMKCPU192E VARY PROCESSOR COMMAND FAILED
      DMKCPU193I PROCESSOR nn ONLINE
      DMKCPU194I PROCESSOR nn OFFLINE

WNG
      DMKMSG003E INVALID OPTION - option
      DMKMSG020E USERID MISSING OR INVALID
      DMKMSG045E userid NOT LOGGED ON
      DMKMSG057W userid NOT RECEIVING; {DISCONNECTED|MSG OFF|WNG OFF}

*
      None.

CP Spontaneous Messages
      DMKRNH454I DEV rid DISABLED
      DMKRNH462I CTLR 'raddr' UNIT CHECK; IPL REQUIRED
      DMKRNH463I CTLR 'raddr' UNIT CHECK; RESTART IN PROGRESS
      DMKRNH464I CTLR 'raddr' CC=3; DEPRESS 370X "LOAD" BUTTON
      DMKRNH465I LINE TRACE TERMINATED DUE TO ERROR

CMS Message Summary

ACCESS
```
    DMSACC002E FILE 'DMSROS TEXT' NOT FOUND
    DMSACC003E INVALID OPTION 'option'
    DMSACC017E INVALID DEVICE ADDRESS 'cuu'
    DMSACC048E INVALID MODE 'mode'
    DMSACC059E 'cuu' ALREADY ACCESSED AS READ/WRITE 'mode' DISK
    DMSACC06.0E FILE(S) 'fn [ft [fm]]' NOT FOUND. DISK 'mode(cuu)' WILL NOT BE ACCESSED
    DMSACC070E INVALID PARAMETER 'parameter'
    DMSACC109S VIRTUAL STORAGE CAPACITY EXCEEDED
    DMSACC112S 'mode (cuu)' DEVICE ERROR
    DMSACC113S 'mode (cuu)' NOT ATTACHED
    DMSACC240S ERROR LOADING READ OS ROUTINE 'DMSROS TEXT'
    DMSACC230W OS DISK-FILEID AND/OR OPTIONS SPECIFIED ARE IGNORED
    DMSACC723I mode (cuu) {R/O|R/W} [-OS|-DOS]
    DMSACC724I 'cuu' REPLACES 'mode (cuu)'
    DMSACC725I cuu ALSO = 'mode' [-OS|-DOS] DISK
    DMSACC726I 'cuu mode [/ext]' RELEASED
```

AMSERV
```
    DMSAMS001E NO FILENAME SPECIFIED
    DMSAMS002E FILE 'fname1 AMSERV' NOT FOUND
    DMSAMS003E INVALID OPTION 'option'
    DMSAMS006E NO READ/WRITE DISK ACCESSED FOR 'fname2 LISTING'
    DMSAMS007E FILE 'fname1 AMSERV fm' NOT FIXED, 80-CHAR. RECORDS
    DMSAMS065E 'option' OPTION SPECIFIED TWICE
    DMSAMS066E 'option' AND 'option' ARE CONFLICTING OPTIONS
    DMSAMS070E INVALID PARAMETER 'parameter'
    DMSAMS109S VIRTUAL STORAGE CAPACITY EXCEEDED
    DMSAMS113S {TAPIN|TAPOUT} (addr) NOT ATTACHED
    DMSAMS136S UNABLE TO LOAD 'IDCAMS'
    DMSAMS228E NO DDNAME ENTERED
    DMSAMS367R ENTER TAPE {INPUT|OUTPUT} DDNAMES:
    DMSAMS722I FILE 'fname2 LISTING fm' WILL HOLD AMSERV OUTPUT
    DMSSTT062E INVALID CHARACTER 'char' IN FILEID {'fname1 AMSERV'|'fname2 LISTING'}
```

ASM3705
```
    DMSARN001E NO FILENAME SPECIFIED
    DMSARN002E FILE 'fn ft' NOT FOUND
    DMSARN003E INVALID OPTION 'option'
    DMSARN004W WARNING MESSAGES ISSUED
    DMSARN006E NO READ/WRITE DISK ACCESSED
    DMSARN007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
    DMSARN008W ERROR MESSAGES ISSUED
    DMSARN012W SEVERE ERROR MESSAGES ISSUED
    DMSARN016W TERMINAL ERROR MESSAGES ISSUED
    DMSARX001E NO FILENAME SPECIFIED
    DMSARX002E FILE 'fn ASM3705' NOT FOUND
    DMSARX003E INVALID OPTION 'option'
    DMSARX006E NO READ/WRITE DISK ACCESSED
    DMSARX007E FILE 'fn ASM3705' IS NOT FIXED, 80-CHAR. RECORDS
    DMSARX038E FILEID CONFLICT FOR DDNAME 'ASM3705'
    DMSARX052E MORE THAN 100 CHARS. OF OPTIONS SPECIFIED
    DMSARX070E INVALID PARAMETER 'parameter'
    DMSARX074E ERROR SETTING/RESETTING AUXILIARY DIRECTORY
    DMSARX075E DEVICE 'device' INVALID FOR INPUT
```

ASSEMBLE
```
    DMSASM001E NO FILENAME SPECIFIED
    DMSASM002E FILE 'fn ASSEMBLE' NOT FOUND
    DMSASM003E INVALID OPTION 'option'
    DMSASM006E NO READ/WRITE DISK ACCESSED
    DMSASM007E FILE 'fn ASSEMBLE' IS NOT FIXED, 80-CHAR. RECORDS
    DMSASM038E FILEID CONFLICT FOR DDNAME 'ASSEMBLE'
    DMSASM052E MORE THAN 100 CHARS. OF OPTIONS SPECIFIED
    DMSASM070E INVALID PARAMETER 'parameter'
    DMSASM074E ERROR [RE]SETTING AUXILIARY DIRECTORY
    DMSASM075E DEVICE 'device' INVALID FOR INPUT
```

ASSGN
    DMSASN003E INVALID OPTION 'option'
    DMSASN027E INVALID DEVICE 'device'
    DMSASN028E NO LOGICAL UNIT SPECIFIED
    DMSASN029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
    DMSASN035E INVALID TAPE MODE
    DMSASN050E PARAMETER MISSING AFTER SYSxxx
    DMSASN065E 'option' OPTION SPECIFIED TWICE
    DMSASN066E 'option' AND 'option' ARE CONFLICTING OPTIONS
    DMSASN069E DISK 'mode' NOT ACCESSED
    DMSASN070E INVALID PARAMETER 'parameter'
    DMSASN087E INVALID ASSIGNMENT OF 'SYSxxx' TO DEVICE 'device'
    DMSASN090E INVALID DEVICE CLASS 'device class' FOR 'device'
    DMSASN099E CMS/DOS ENVIRONMENT NOT ACTIVE
    DMSASN113S '{TAPn|mode|READER|PUNCH|PRINTER} (cuu)' NOT ATTACHED
    DMSASN366E NO CMS/DOS SUPPORT FOR NATIVE 3350 DISK

CMSBATCH
    DMSBTB100E NO BATCH PROCESSOR AVAILABLE
    DMSBTB101E BATCH NOT LOADED
    DMSBTP105E NO JOB CARD PROVIDED
    DMSBTP106E JOB CARD FORMAT INVALID
    DMSBTP107E CP/CMS COMMAND 'command, (device)' NOT ALLOWED
    DMSBTP108E /SET CARD FORMAT INVALID
    DMSBTP109E {CPU|PRINTER|PUNCH} LIMIT EXCEEDED

COMPARE
    DMSCMP002E FILE 'fn [ft [fm]]' NOT FOUND
    DMSCMP003E INVALID OPTION 'option'
    DMSCMP005E NO 'option' COLUMN SPECIFIED
    DMSCMP009E COLUMN 'col' EXCEEDS RECORD LENGTH
    DMSCMP010E PREMATURE EOF ON FILE ['fn ft [fm']]
    DMSCMP011E CONFLICTING FILE FORMATS
    DMSCMP019E IDENTICAL FILEIDS
    DMSCMP029E INVALID PARAMETER 'parameter' IN THE option 'COL' FIELD
    DMSCMP054E INCOMPLETE FILEID ['fn [ft]'] SPECIFIED
    DMSCMP062E INVALID * IN FILEID
    DMSCMP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSCMP109S VIRTUAL STORAGE CAPACITY EXCEEDED
    DMSCMP179I COMPARING 'fn ft fm' WITH 'fn ft fm'
    DMSCMP209W FILES DO NOT COMPARE
    DMSCMP211E COLUMN FIELDS OUT OF SEQUENCE

COPY
    DMSCPY002E [INPUT|OVERLAY] FILE[(S)] ['fn [ft [fm]]'] NOT FOUND
    DMSCPY003E INVALID OPTION 'option'
    DMSCPY024E FILE 'fn ft fm' ALREADY EXISTS, SPECIFY 'REPLACE'
    DMSCPY029E INVALID PARAMETER 'parameter' IN THE 'option' OPTION FIELD
    DMSCPY030E FILE 'fn ft fm' ALREADY ACTIVE
    DMSCPY037E DISK 'mode[(cuu)]' IS READ/ONLY
    DMSCPY042E NO FILEID[(S)] SPECIFIED
    DMSCPY048E INVALID MODE 'mode'
    DMSCPY054E INCOMPLETE FILEID SPECIFIED
    DMSCPY062E INVALID CHAR '[=|*|char]' IN FILEID '[fn ft fm]'
    DMSCPY063E NO [{TRANSLATION|SPECIFICATION}] LIST ENTERED
    DMSCPY064E INVALID [TRANSLATION] SPECIFICATION AT OR NEAR '........'
    DMSCPY065E 'option' OPTION SPECIFIED TWICE
    DMSCPY066E 'option' AND 'option' ARE CONFLICTING OPTIONS
    DMSCPY067E COMBINED INPUT FILES ILLEGAL WITH PACK OR UNPACK OPTIONS
    DMSCPY068E INPUT FILE 'fn ft fm' NOT IN PACKED FORMAT
    DMSCPY101S SPECS TEMP STRING STORAGE EXHAUSTED AT '........'
    DMSCPY102S TOO MANY FILEIDS
    DMSCPY103S NUMBER OF SPECS EXCEEDS MAX 20
    DMSCPY156E 'FROM nnn' NOT FOUND --FILE 'fn ft fm' HAS ONLY 'nnn' RECORDS
    DMSCPY157E LABEL 'label' NOT FOUND IN FILE 'fn ft fm'
    DMSCPY172E TOLABEL 'label' {EQUALS| IS AN INITIAL SUBSTRING OF} FRLABEL 'label'
    DMSCPY173E NO RECORDS WERE COPIED TO OUTPUT FILE 'fn ft fm'
    DMSCPY601R ENTER SPECIFICATION LIST:
    DMSCPY602R ENTER TRANSLATION LIST:
    DMSCPY721I COPY 'fn ft fm' [{TO|APPEND|OVLY} 'fn ft fm' {OLD|NEW} FILE]
    DMSCPY901T UNEXPECTED ERROR AT 'addr': PLIST 'plist' AT 'addr', BASE 'addr', RC 'nn'
    DMSCPY903T IMPOSSIBLE PHASE CODE 'hh'
    DMSCPY904T UNEXPECTED UNPACK ERROR AT 'addr', BASE 'addr'

DMS

CPEREP
    DMSIFC002E FILE 'fn ft [fm]' NOT FOUND
    DMSIFC007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
    DMSIFC023E NO FILETYPE SPECIFIED
    DMSIFC070E INVALID PARAMETER 'parameter'
    DMSIFC104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSIFC825E CLEAR IS VALID ONLY WHEN SPECIFIED BY ITSELF
    DMSIFC826E EREP TXTLIBS NOT FOUND
    DMSIFC828I CPEREP ZERO OR CLEAR HAS BEEN COMPLETED
    DMSIFC829W ATTEMPTED 'ZERO' WAS SUPPRESSED. REQUIRES PRIVILEDGE CLASS F
    DMSIFC831E MORE THAN 100 CHARS. OF OPTIONS SPECIFIED
    DMSREA830E I/O ERROR READING A BLOCK OF RECORDS FROM THE ERROR RECORDING CYLINDERS
    DMSIFC832S SOFTWARE INCOMPATIBILITY AT THE CPEREP-EREP INTERFACE. CODE=nnn

DEBUG
    DMSDBG113S PRINTER (cuu) NOT ATTACHED
    DMSDBG728I DEBUG ENTERED [EXTERNAL INT|BREAKPOINT nn AT xxxxxx]

DISK
    DMSDSK002E FILE[(S)]['fn [ft [fm]]'] NOT FOUND
    DMSDSK014E INVALID FUNCTION 'function'
    DMSDSK037E DISK 'mode[(cuu)]' IS READ/ONLY
    DMSDSK047E NO FUNCTION SPECIFIED
    DMSDSK048E INVALID MODE 'mode'
    DMSDSK054E INCOMPLETE FILEID SPECIFIED
    DMSDSK062E INVALID * IN FILEID ['fn ft fm']
    DMSDSK070E INVALID PARAMETER 'parameter'
    DMSDSK077E END CARD MISSING FROM INPUT DECK
    DMSDSK078E INVALID CARD IN INPUT DECK
    DMSDSK104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSDSK105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
    DMSDSK118S ERROR PUNCHING FILE
    DMSDSK124S ERROR READING CARD FILE
    DMSDSK205W READER EMPTY OR NOT READY

DLBL
    DMSDLB001E NO FILENAME SPECIFIED
    DMSDLB003E INVALID OPTION 'option'
    DMSDLB005E NO '{CAT|BUFSP}' SPECIFIED
    DMSDLB023E NO FILETYPE SPECIFIED
    DMSDLB048E INVALID MODE 'mode'
    DMSDLB050E PARAMETER MISSING AFTER DDNAME
    DMSDLB065E 'option' OPTION SPECIFIED TWICE
    DMSDLB066E 'option' AND 'option' ARE CONFLICTING OPTIONS
    DMSDLB070E INVALID PARAMETER 'parameter'
    DMSDLB086E INVALID DDNAME 'ddname'
    DMSDLB109S VIRTUAL STORAGE CAPACITY EXCEEDED
    DMSDLB220R ENTER DATA SET NAME:
    DMSDLB221E INVALID DATA SET NAME
    DMSDLB301E 'SYSxxx' NOT ASSIGNED FOR DISK 'fm'
    DMSDLB302E NO SYSXXX OPERAND SPECIFIED
    DMSDLB304E INVALID OPERAND VALUE 'value'
    DMSDLB305E INCOMPLETE EXTENT RANGE
    DMSDLB306E SYSxxx NOT ASSIGNED FOR 'IGNORE'
    DMSDLB307E CATALOG DDNAME 'ddname' NOT FOUND
    DMSDLB308E 'mode' DISK IN [NON-]CMS FORMAT: INVALID FOR [NON-]CMS DATASET
    DMSDLB320I MAXIMUM NUMBER OF DISK ENTRIES RECORDED
    DMSDLB321I MAXIMUM NUMBER OF EXTENTS RECORDED
    DMSDLB322I DDNAME 'ddname' NOT FOUND: NO CLEAR EXECUTED
    DMSDLB323I {MASTER|JOB} CATALOG DLBL CLEARED
    DMSDLB324I NO USER DEFINED DLBL's IN EFFECT
    DMSDLB330R ENTER VOLUME SPECIFICATIONS:
    DMSDLB331R ENTER EXTENT SPECIFICATIONS:

DOSLIB
    DMSDSL002E FILE 'fn DOSLIB' NOT FOUND
    DMSDSL003E INVALID OPTION 'option'
    DMSDSL013W PHASE 'phase' NOT FOUND IN LIBRARY 'fn DOSLIB fm'
    DMSDSL014E INVALID FUNCTION 'function'
    DMSDSL037E DISK 'mode' IS READ/ONLY
    DMSDSL046E NO LIBRARY NAME SPECIFIED
    DMSDSL047E NO FUNCTION SPECIFIED
    DMSDSL069E DISK 'mode' NOT ACCESSED

```
DOSLIB (continued)
   DMSDSL070E  INVALID PARAMETER 'parameter'
   DMSDSL098E  NO PHASE NAME SPECIFIED
   DMSDSL104S  ERROR 'nn' READING FILE 'fn DOSLIB fm' FROM DISK
   DMSDSL105S  ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
   DMSDSL213W  LIBRARY 'fn DOSLIB fm' NOT CREATED

DOSLKED
   DMSDLK001E  NO FILENAME SPECIFIED
   DMSDLK003E  INVALID OPTION 'option'
   DMSDLK006E  NO READ/WRITE DISK ACCESSED
   DMSDLK007E  FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
   DMSDLK070E  INVALID PARAMETER 'parameter'
   DMSDLK099E  CMS/DOS ENVIRONMENT NOT ACTIVE
   DMSDLK104S  ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
   DMSDLK105S  ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
   DMSDLK210E  LIBRARY 'fn ft' IS ON A READ-ONLY DISK
   DMSDLK245S  ERROR 'nnn' ON PRINTER

DSERV
   DMSDSV003E  INVALID OPTION 'option'
   DMSDSV021W  NO TRANSIENT DIRECTORY
   DMSDSV022W  NO CORE IMAGE DIRECTORY
   DMSDSV023W  NO RELOCATABLE DIRECTORY
   DMSDSV024W  NO PROCEDURE DIRECTORY
   DMSDSV025W  NO SOURCE STATEMENT DIRECTORY
   DMSDSV026W  'phase' NOT IN LIBRARY
   DMSDSV027E  INVALID DEVICE 'nn'
   DMSDSV027W  NO PRIVATE CORE IMAGE LIBRARY
   DMSDSV028W  NO {PRIVATE|SYSTEM} TRANSIENT DIRECTORY ENTRIES
   DMSDSV047E  NO FUNCTION SPECIFIED
   DMSDSV065E  'option' OPTION SPECIFIED TWICE
   DMSDSV066E  'option' AND 'option' ARE CONFLICTING OPTIONS
   DMSDSV070E  INVALID PARAMETER 'parameter'
   DMSDSV095E  INVALID ADDRESS 'address'
   DMSDSV099E  CMS/DOS ENVIRONMENT NOT ACTIVE
   DMSDSV105S  ERROR 'nn' WRITING FILE 'DSERV MAP A5' ON DISK
   DMSDSV245S  ERROR 'nnn' ON PRINTER

EDIT
   DMSEDI003E  INVALID OPTION 'option'
   DMSEDI024E  FILE 'fn ft fm' ALREADY EXISTS
   DMSEDI029E  INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
   DMSEDI044E  RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM
   DMSEDI054E  INCOMPLETE FILEID ['fn [ft]'] SPECIFIED
   DMSEDI076E  ACTUAL RECORD LENGTH EXCEEDS THAT SPECIFIED
   DMSEDI104S  ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
   DMSEDI105S  ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
   DMSEDI117S  ERROR WRITING TO DISPLAY TERMINAL
   DMSEDI132S  FILE 'fn ft fm' TOO LARGE
   DMSEDI143S  UNABLE TO LOAD SAVED SYSTEM OR LOAD MODULE
   DMSEDI144S  REQUESTED FILE IS IN ACTIVE STATUS

ERASE
   DMSERS002E  FILE[(S)]['fn [ft [fm]]'] NOT FOUND
   DMSERS003E  INVALID OPTION 'option'
   DMSERS037E  DISK 'mode (cuu)' IS READ/ONLY
   DMSERS048E  INVALID MODE 'mode'
   DMSERS054E  INCOMPLETE FILEID ['fn [ft]'] SPECIFIED
   DMSERS069E  DISK 'mode' NOT ACCESSED
   DMSERS070E  INVALID PARAMETER 'parameter'
   DMSERS071E  ERASE * * [fm|*] NOT ALLOWED
   DMSERS109T  VIRTUAL STORAGE CAPACITY EXCEEDED

ESERV
   DMSERV001E  NO FILENAME SPECIFIED
   DMSERV002E  FILE 'fn ESERV' NOT FOUND
   DMSERV006E  NO READ/WRITE DISK ACCESSED
   DMSERV027E  INVALID DEVICE 'device' FOR SYSxxx
   DMSERV037E  DISK 'mode' IS READ/ONLY
   DMSERV070E  INVALID ARGUMENT 'argument'
   DMSERV099E  CMS/DOS ENVIRONMENT NOT ACTIVE
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DMS

EXEC
    DMSEXC001E NO FILENAME SPECIFIED
    DMSEXT072E ERROR IN EXEC FILE fn, LINE nnn - message

FETCH
    DMSFCH016E NO PRIVATE CORE IMAGE LIBRARY FOUND
    DMSFCH104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSFCH109S VIRTUAL STORAGE CAPACITY EXCEEDED
    DMSFCH113S DISK (cuu) NOT ATTACHED
    DMSFCH115E PHASE LOAD POINT LESS THAN 'address'
    DMSFCH411S INPUT ERROR CODE 'nn' ON {SYSRES|SYSCLB}
    DMSFCH777S DOS PARTITION TOO SMALL TO ACCOMMODATE FETCH REQUEST
    DMSFET003E INVALID OPTION 'option'
    DMSFET004E PHASE 'phase' NOT FOUND
    DMSFET029E INVALID PARAMETER 'parameter' IN THE OPTION 'ORIGIN' FIELD
    DMSFET070E INVALID PARAMETER 'parameter'
    DMSFET098E NO PHASE NAME SPECIFIED
    DMSFET099E CMS/DOS ENVIRONMENT NOT ACTIVE
    DMSFET710I PHASE 'phase' ENTRY POINT AT LOCATION xxxxxx
    DMSLIO055E NO ENTRY POINT DEFINED
    DMSLIO740I EXECUTION BEGINS...

FILEDEF
    DMSFLD003E INVALID OPTION 'option'
    DMSFLD023E NO FILETYPE SPECIFIED
    DMSFLD027E INVALID DEVICE 'device name'
    DMSFLD029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
    DMSFLD035E INVALID TAPE MODE
    DMSFLD050E PARAMETER MISSING AFTER DDNAME
    DMSFLD065E 'option' OPTION SPECIFIED TWICE
    DMSFLD066E 'option' AND 'option' ARE CONFLICTING OPTIONS
    DMSFLD069I DISK 'mode' NOT ACCESSED
    DMSFLD070E INVALID PARAMETER 'parameter'
    DMSFLD220R ENTER DATA SET NAME:
    DMSFLD221E INVALID DATA SET NAME 'data set name'
    DMSFLD224E FILEID ALREADY IN USE
    DMSFLD420E NSL EXIT FILENAME MISSING OR INVALID
    DMSFLD704I INVALID CLEAR REQUEST
    DMSSTT228I USER LABELS BYPASSED ON DATA SET 'data set name'
    DMSQRY324I NO USER DEFINED FILEDEF's IN EFFECT

FORMAT
    DMSFOR003E INVALID OPTION 'option'
    DMSFOR005E NO 'option' SPECIFIED
    DMSFOR017E INVALID DEVICE ADDRESS 'cuu'
    DMSFOR028E NO DEVICE SPECIFIED
    DMSFOR037E DISK 'mode[(cuu)]' IS READ/ONLY
    DMSFOR048E INVALID MODE 'mode'
    DMSFOR069E DISK {'mode'|'cuu'} NOT ACCESSED
    DMSFOR070E INVALID PARAMETER 'parameter'
    DMSFOR113S {TAPn(cuu)|mode(cuu)|READER|PUNCH|PRINTER} NOT ATTACHED
    DMSFOR114S 'cuu' IS AN UNSUPPORTED DEVICE TYPE
    DMSFOR125S PERMANENT UNIT CHECK ON DISK 'mode(cuu)'
    DMSFOR114S 'cuu' IS AN UNSUPPORTED DEVICE, OR REQUESTED BLKSIZE IS NOT
              SUPPORTED FOR THE DEVICE
    DMSFOR126S ERROR {READ|WRIT}ING LABEL ON DISK 'mode(cuu)'
    DMSFOR214W CANNOT RECOMPUTE WITHOUT LOSS OF DATA. NO CHANGE.
    DMSFOR216E INSUFFICIENT BLOCKS ON DISK TO SUPPORT CMS DISK STRUCTURE
    DMSFOR603R FORMAT WILL ERASE ALL FILES ON DISK 'mode(cuu)'.
              DO YOU WISH TO CONTINUE? (YES|NO):
    DMSFOR605R ENTER DISK LABEL:
    DMSFOR705I DISK REMAINS UNCHANGED
    DMSFOR732I 'nnn' CYLINDERS FORMATTED ON DISK 'mode(cuu)'
    DMSFOR732I 'nnn' {CYLINDERS|FB-512 BLOCKS} FORMATTED ON DISK 'mode(cuu)'
    DMSFOR733I FORMATTING DISK 'mode'

GENDIRT
    DMSGND002W FILE[(S)] ['fn [ft [fm]]'] NOT FOUND
    DMSGND021E ENTRY POINT 'name' NOT FOUND
    DMSGND022E NO DIRECTORY NAME SPECIFIED
    DMSGND070E INVALID PARAMETER 'parameter'

GENMOD
    DMSMOD003E INVALID OPTION 'option'
    DMSMOD005E NO '{FROM|TO} ENTRY' SPECIFIED
    DMSMOD021E ENTRY POINT 'name' NCT FOUND
    DMSMOD032E INVALID FILETYPE 'ft'
    DMSMOD037E DISK 'mode' IS READ/ONLY
    DMSMOD040E NO FILES LOADED
    DMSMOD070E INVALID PARAMETER 'parameter'
    DMSMOD084E INVALID USE OF 'FROM' AND 'TO' OPTIONS
    DMSMOD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
    DMSSTT048E INVALID MODE 'mode'
    DMSSTT069E DISK 'mode' NOT ACCESSED

GEN3705
    DMSGRN002E FILE 'fn ft [fm]' NOT FOUND
    DMSGRN003E INVALID OPTION 'option'
    DMSGRN007E FILE 'fn ft' IS NOT FIXED, 80 CHAR. RECORDS
    DMSGRN048E INVALID MODE 'mode'
    DMSGRN054E INCOMPLETE FILEID SPECIFIED
    DMSGRN078E INVALID CARD IN INPUT FILE '80 character card image'

GLOBAL
    DMSGLB002W FILE 'fn ft' NOT FOUND
    DMSGLB014E INVALID FUNCTION 'function'
    DMSGLB047E NO FUNCTION SPECIFIED
    DMSGLB108S MORE THAN 8 LIBRARIES SPECIFIED

HELP
    DMSHLP002E INPUT FILE(S) 'fn ft fm' NOT FOUND
    DMSHLP003E INVALID OPTION 'option'
    DMSHLP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSHLP109S VIRTUAL STORAGE CAPACITY EXCEEDED
    DMSHLP250S I/O ERROR OR DEVICE ERROR
    DMSHLP251E HELP PROCESSING ERROR CODE nn - 'description'
    DMSHLP252E VALID OPTIONS ARE = DESC FORM PARM ALL
    DMSHLP907T I/O ERROR ON FILE 'fn ft fm'

INCLUDE
    DMSLGT002I FILE 'fn TXTLIB' NOT FOUND
    DMSLIO001E NO FILENAME SPECIFIED
    DMSLIO002E FILE ['fn [ft [fm]]'] NOT FOUND
    DMSLIO003E INVALID OPTION 'option'
    DMSLIO005E NO 'option' SPECIFIED
    DMSLIO021E ENTRY POINT 'name' NCT FOUND
    DMSLIO029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
    DMSLIO055E NO ENTRY POINT DEFINED
    DMSLIO056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS
    DMSLIO099E CMS/DOS ENVIRONMENT ACTIVE
    DMSLIO104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSLIO105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
    DMSLIO109S VIRTUAL STORAGE CAPACITY EXCEEDED
    DMSLIO116S LOADER TABLE OVERFLOW
    DMSLIO168S PSEUDO REGISTER TABLE OVERFLOW
    DMSLIO169S ESDID TABLE OVERFLOW
    DMSLIO201W THE FOLLOWING NAMES ARE UNDEFINED:
    DMSLIO202W DUPLICATE IDENTIFIER 'identifier'
    DMSLIO203W "SET LOCATION COUNTER" NAME 'name' UNDEFINED
    DMSLIO206W PSEUDO REGISTER ALIGNMENT ERROR
    DMSLIO740I EXECUTION BEGINS ...
    DMSLIO907T I/O ERROR ON FILE 'fn ft fm'

LABELDEF
    DMSLBD003E INVALID OPTION - option
    DMSLBD029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
    DMSLBD065E 'option' OPTION SPECIFIED TWICE
    DMSLBD066E 'option' and 'option' ARE CONFLICTING OPTIONS
    DMSLBD070E INVALID PARAMETER 'parameter'
    DMSLBD221E INVALID DATA SET NAME
    DMSLBD324I NO USER DEFINED LABELDEF's IN EFFECT
    DMSLBD704I INVALID CLEAR REQUEST

LISTDS
    DMSLDS002E DATA SET NOT FOUND
    DMSLDS003E INVALID OPTION 'option'
    DMSLDS048E INVALID MODE 'mode'
    DMSLDS069E DISK 'mode' NOT ACCESSED
    DMSLDS220R ENTER DATA SET NAME:
    DMSLDS221E INVALID DATA SET NAME
    DMSLDS222E I/O ERROR READING 'data set name' FROM {'fm'|OS|DOS} DISK
    DMSLDS223E NO FILEMODE SPECIFIED
    DMSLDS226E NO DATA SET NAME ALLOWED WITH FREE OPTION
    DMSLDS227W INVALID EXTENT FOUND FOR 'datasetname' ON {'fm'|OS|DOS} DISK
    DMSLDS229I NO MEMBERS FOUND
    DMSLDS231E I/O ERROR READING VTOC FROM 'fm' DISK
    DMSLDS233I NO FREE SPACE AVAILABLE ON 'fm' DISK

LISTFILE
    DMSLST002E FILE NOT FOUND
    DMSLST003E INVALID OPTION 'option'
    DMSLST037E DISK 'mode[(cuu)]' IS READ/ONLY
    DMSLST048E INVALID MODE 'mode'
    DMSLST066E 'option' and 'option' ARE CONFLICTING OPTIONS
    DMSLST069E DISK {'mode'|'cuu'} NOT ACCESSED
    DMSLST070E INVALID PARAMETER 'parameter'
    DMSLST105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK

LISTIO
    DMSLLU003E INVALID OPTION 'option'
    DMSLLU006E NO READ/WRITE 'A' DISK ACCESSED
    DMSLLU070E INVALID PARAMETER 'parameter'
    DMSLLU099E CMS/DOS ENVIRONMENT NOT ACTIVE
    DMSLLU105S ERROR 'nn' WRITING FILE '$LISTIO EXEC A1' ON DISK
    DMSLLU303E NO SYSXXX SATISFIES REQUEST

LKED
    DMSLKD001E NO FILENAME SPECIFIED
    DMSLKD002E FILE 'fn ft' NOT FOUND
    DMSLKD004W WARNING MESSAGES ISSUED
    DMSLKD005E NO 'keyword' SPECIFIED
    DMSLKD006E NO READ/WRITE DISK ACCESSED
    DMSLKD007E FILE 'fn ft' IS NOT FIXED, 80-CHAR. RECORDS
    DMSLKD008W ERROR MESSAGES ISSUED
    DMSLKD012W SEVERE ERROR MESSAGES ISSUED
    DMSLKD016W TERMINAL ERROR MESSAGES ISSUED
    DMSLKD070E INVALID PARAMETER 'parameter'

LOAD
    DMSLGT002I FILE 'fn' TXTLIB NOT FOUND
    DMSLIO001E NO FILENAME SPECIFIED
    DMSLIO002E FILE[(S)] ['fn [ft [fm]]'] NOT FOUND
    DMSLIO003E INVALID OPTION 'option'
    DMSLIO005E NO 'option' SPECIFIED
    DMSLIO021E ENTRY POINT 'name' NOT FOUND
    DMSLIO029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
    DMSLIO055E NO ENTRY POINT DEFINED
    DMSLIO056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS
    DMSLIO099E CMS/DOS ENVIRONMENT ACTIVE
    DMSLIO104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSLIO105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
    DMSLIO109S VIRTUAL STORAGE CAPACITY EXCEEDED
    DMSLIO116S LOADER TABLE OVERFLOW
    DMSLIO168S PSEUDO REGISTER TABLE OVERFLOW
    DMSLIO169S ESDID TABLE OVERFLOW
    DMSLIO201W THE FOLLOWING NAMES ARE UNDEFINED:
    DMSLIO202W DUPLICATE IDENTIFIER 'IDENTIFIER'
    DMSLIO203W "SET LOCATION COUNTER" NAME 'name' UNDEFINED
    DMSLIO206W PSEUDO REGISTER ALIGNMENT ERROR
    DMSLIO740I EXECUTION BEGINS ...
    DMSLIO907T I/O ERROR ON FILE 'fn ft fm'
    DMSSTT062E INVALID * IN FILEID

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LOADMOD
   DMSMOD001E NO FILENAME SPECIFIED
   DMSMOD002E FILE ['fn [ft]'] NOT FOUND
   DMSMOD032E INVALID FILETYPE 'ft'
   DMSMOD070E INVALID PARAMETER 'parameter'
   DMSMOD104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
   DMSMOD109S VIRTUAL STORAGE CAPACITY EXCEEDED
   DMSMOD114E 'fn ft fm' NOT LOADED; CMS/DOS ENVIRONMENT [NOT] ACTIVE
   DMSMOD116S LOADER TABLE OVERFLOW
   DMSSLN002E FILE 'fn ft' NOT FOUND
   DMSSLN104E ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
   DMSSTT048E INVALID MODE 'mode'

MACLIB
   DMSLBM001E NO FILENAME SPECIFIED
   DMSLBM002E FILE ['fn [ft]'] NOT FOUND
   DMSLBM002W FILE 'fn ft [fm]' NOT FOUND
   DMSLBM003E INVALID OPTION 'option'
   DMSLBM013W MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'
   DMSLBM014E INVALID FUNCTION 'function'
   DMSLBM037E DISK 'mode[ (cuu) ]' IS READ/ONLY
   DMSLBM046E NO LIBRARY NAME SPECIFIED
   DMSLBM047E NO FUNCTION SPECIFIED
   DMSLBM056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS
   DMSLBM069E DISK 'mode' NOT ACCESSED
   DMSLBM070E INVALID PARAMETER 'parameter'
   DMSLBM104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
   DMSLBM105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
   DMSLBM109S VIRTUAL STORAGE CAPACITY EXCEEDED
   DMSLBM157S MACLIB LIMIT EXCEEDED [, LAST MEMBER NAME ADDED WAS 'membername']
   DMSLBM167S PREVIOUS MACLIB FUNCTION NOT FINISHED
   DMSLBM213W LIBRARY 'fn ft fm' NOT CREATED
   DMSLBM907T I/O ERROR ON FILE 'fn ft fm'

MODMAP
   DMSMDP001E NO FILENAME SPECIFIED
   DMSMDP002E FILE ['fn [ft [fm]]'] NOT FOUND
   DMSMDP018E NO LOAD MAP AVAILABLE
   DMSMDP070E INVALID PARAMETER 'parameter'

MOVEFILE
   DMSMVE002E FILE[ (S) ]['fn [ft [fm]]'] NOT FOUND
   DMSMVE003E INVALID OPTION 'option'
   DMSMVE037E OUTPUT DISK 'mode' IS READ/ONLY
   DMSMVE041E INPUT AND OUTPUT FILES ARE THE SAME
   DMSMVE069E OUTPUT DISK 'mode' IS NOT ACCESSED
   DMSMVE070E INVALID PARAMETER 'parameter'
   DMSMVE075E DEVICE 'device name' ILLEGAL FOR {INPUT|OUTPUT}
   DMSMVE086E INVALID DDNAME 'ddname'
   DMSMVE127S UNSUPPORTED DEVICE FOR 'ddname'
   DMSMVE128S I/O ERROR ON INPUT AFTER READING 'nnnn' RECORDS:  INPUT ERROR CODE code ON ddname
   DMSMVE129S I/O ERROR ON OUTPUT WRITING RECORD NUMBER 'nnnn': OUTPUT ERROR code ON ddname
   DMSMVE130S BLOCKSIZE ON V FORMAT FILE 'ddname' IS LESS THAN 9
   DMSMVE225I PDS MEMBER 'membername' MOVED
   DMSMVE226I END OF PDS MOVE
   DMSMVE706I TERM INPUT -- TYPE NULL LINE FOR END OF DATA
   DMSMVE708I DISK FILE 'FILE ddname A1' ASSUMED FOR DDNAME 'ddname'

OPTION
   DMSOPT070E INVALID PARAMETER 'parameter'
   DMSOPT099E CMS/DOS ENVIRONMENT NOT ACTIVE

PRINT
   DMSPRT002E FILE 'fn ft fm' NOT FOUND
   DMSPRT003E INVALID OPTION 'option'
   DMSPRT008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}
   DMSPRT013E MEMBER 'name' NOT FOUND IN LIBRARY
   DMSPRT029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
   DMSPRT033E FILE 'fn ft fm' IS NOT A LIBRARY
   DMSPRT039E NO ENTRIES IN LIBRARY 'fn ft fm'
   DMSPRT044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM
   DMSPRT048E INVALID MODE 'mode'
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PRINT (continued)
    DMSPRT054E INCOMPLETE FILEID SPECIFIED
    DMSPRT062E INVALID * IN FILEID
    DMSPRT070E INVALID PARAMETER 'parameter'
    DMSPRT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSPRT123S ERROR 'nn' PRINTING FILE 'fn ft fm'

PSERV
    DMSPRV003E INVALID OPTION 'option'
    DMSPRV004E PROCEDURE 'procedure' NOT FOUND
    DMSPRV006E NO READ/WRITE 'A' DISK ACCESSED
    DMSPRV037E DISK 'A' IS READ/ONLY
    DMSPRV070E INVALID PARAMETER 'parameter'
    DMSPRV097E NO 'SYSRES' VOLUME ACTIVE
    DMSPRV098E NO PROCEDURE NAME SPECIFIED
    DMSPRV099E CMS/DOS ENVIRONMENT NOT ACTIVE
    DMSPRV105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK
    DMSPRV113S DISK (cuu) NOT ATTACHED
    DMSPRV411S INPUT ERROR CODE 'nn' ON 'SYSRES'

PUNCH
    DMSPUN002E FILE 'fn' NOT FOUND
    DMSPUN003E INVALID OPTION 'option'
    DMSPUN008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}
    DMSPUN013E MEMBER 'name' NOT FOUND IN LIBRARY
    DMSPUN033E FILE 'fn ft fm' IS NOT A LIBRARY
    DMSPUN039E NO ENTRIES IN LIBRARY 'fn ft fm'
    DMSPUN044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM
    DMSPUN054E INCOMPLETE FILEID SPECIFIED
    DMSPUN062E INVALID * IN FILEID
    DMSPUN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSPUN118S ERROR PUNCHING FILE 'fn ft fm'
    DMSPUN125S ERROR 'nn' PUNCHING FILE 'fn ft fm'

QUERY
    DMSQRY005E NO 'option' SPECIFIED
    DMSQRY014E INVALID FUNCTION 'function'
    DMSQRY026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION
    DMSQRY047E NO FUNCTION SPECIFIED
    DMSQRY070E INVALID PARAMETER 'parameter'
    DMSQRY099E CMS/DOS ENVIRONMENT NOT ACTIVE

READCARD
    DMSRDC008E DEVICE 'ccu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}
    DMSRDC042E NO FILEID SPECIFIED
    DMSRDC054E INCOMPLETE FILEID SPECIFIED
    DMSRDC062E INVALID * IN FILEID
    DMSRDC105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
    DMSRDC124S ERROR 'nn' READING CARD FILE
    DMSRDC205W READER EMPTY OR NOT READY
    DMSRDC701I NULL FILE
    DMSRDC702I READ CONTROL CARD IS MISSING. FOLLOWING ASSUMED:
    DMSRDC702I :READ {fn ft fm|READCARD CMSUT1 A1}
    DMSRDC738I RECORD LENGTH IS 'nnn' BYTES

RELEASE
    DMSARE017E INVALID DEVICE ADDRESS 'ccu'
    DMSARE028E NO DEVICE SPECIFIED
    DMSARE048E INVALID MODE 'mode'
    DMSARE069E DISK {'mode'|'ccu'} NOT ACCESSED
    DMSARE070E INVALID PARAMETER 'parameter'

RENAME
    DMSRNM002E FILE[(S)]['fn [ft [fm]]'] NOT FOUND
    DMSRNM003E INVALID OPTION 'option'
    DMSRNM019E IDENTICAL FILEIDS
    DMSRNM024E FILE 'fn ft fm' ALREADY EXISTS [SPECIFY 'REPLACE']
    DMSRNM030E FILE 'fn ft fm' ALREADY ACTIVE
    DMSRNM037E DISK 'mode' IS READ/ONLY
    DMSRNM048E INVALID MODE 'mode'
    DMSRNM051E INVALID MODE CHANGE
    DMSRNM054E INCOMPLETE FILEID ['fn[ft]'] SPECIFIED
    DMSRNM062E INVALID * IN OUTPUT FILEID

DMS

RSERV
    DMSRRV003E INVALID OPTION 'option'
    DMSRRV004E MODULE 'module' NOT FOUND
    DMSRRV006E NO READ/WRITE 'A' DISK ACCESSED
    DMSRRV070E INVALID PARAMETER 'parameter'
    DMSRRV097E NO 'SYSRES' VOLUME ACTIVE
    DMSRRV098E NO MODULE NAME SPECIFIED
    DMSRRV099E CMS/DOS ENVIRONMENT NOT ACTIVE
    DMSRRV105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
    DMSRRV113S DISK (cuu) NOT ATTACHED
    DMSRRV411S INPUT ERROR CODE 'nn' ON '{SYSRES|SYSRLB}'

RUN
    DMSRUN001E NO FILENAME SPECIFIED
    DMSRUN002E FILE ['fn [ft [fm]]'] NOT FOUND
    DMSRUN048E INVALID MODE 'mode'
    DMSRUN070E INVALID PARAMETER 'parameter'
    DMSRUN999E NO [ft] PROCESSOR FOUND

SAVENCP
    DMSNCP001E NO FILENAME SPECIFIED
    DMSNCP002E FILE 'fn ft' NOT FOUND
    DMSNCP003E INVALID OPTION 'option'
    DMSNCP013E MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'
    DMSNCP021E ENTRY POINT 'symbol' NOT FOUND
    DMSNCP025E INVALID DATA IN 370X CONTROL PROGRAM
    DMSNCP045E UNSUPPORTED CONTROL PROGRAM TYPE
    DMSNCP056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS
    DMSNCP099W GENERATION PARAMETERS INCOMPATIBLE WITH VM/370
    DMSNCP109S VIRTUAL STORAGE CAPACITY EXCEEDED

SET
    DMSLIO002I FILE 'fn' TXTLIB NOT FOUND
    DMSSET014E INVALID FUNCTION 'function'
    DMSSET026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION
    DMSSET031E LOADER TABLES CANNOT BE MODIFIED
    DMSSET047E NO FUNCTION SPECIFIED
    DMSSET048E INVALID MODE 'mode'
    DMSSET050E PARAMETER MISSING AFTER {DDNAME|SYSxxx|function}
    DMSSET061E NO TRANSLATION CHARACTER SPECIFIED
    DMSSET070E INVALID PARAMETER 'parameter'
    DMSSET098W CMS OS SIMULATION NOT AVAILABLE
    DMSSET099W CMS/DOS ENVIRONMENT NOT ACTIVE
    DMSSET100W SYSTEM NAME 'name' NOT AVAILABLE
    DMSSET142S SAVED SYSTEM NAME 'name' INVALID
    DMSSET333E nnnnnK PARTITION TOO LARGE FOR THIS VIRTUAL MACHINE
    DMSSET400S SYSTEM 'sysname' DOES NOT EXIST
    DMSSET401S VM SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)
    DMSSET410S CONTROL PROGRAM ERROR INDICATION 'retcode'
    DMSSET444E VOLUME LABEL IS NOT A DOS SYSRES

SETKEY
    DMSSSK070E INVALID PARAMETER 'parameter'
    DMSSSK362E INVALID STORAGE PROTECT KEY 'key'
    DMSSSK363E INVALID STARTING ADDRESS 'startadr'
    DMSSSK364E VM STORAGE NOT LARGE ENOUGH TO CONTAIN SYSTEM LOADING AT startadr TO endadr
    DMSSSK365E SYSTEM NAME NOT SPECIFIED
    DMSSSK400S SYSTEM 'name' DOES NOT EXIST
    DMSSSK410S CONTROL PROGRAM ERROR INDICATION 'nnn'

SORT
    DMSSRT002E FILE ['fn [ft [fm]]'] NOT FOUND
    DMSSRT009E COLUMN 'col' EXCEEDS RECORD LENGTH
    DMSSRT019E IDENTICAL FILEIDS
    DMSSRT034E FILE 'fn ft fm' IS NOT FIXED LENGTH
    DMSSRT037E DISK 'mode' IS READ/ONLY
    DMSSRT053E INVALID SORT FIELD PAIR DEFINED
    DMSSRT054E INCOMPLETE FILEID SPECIFIED
    DMSSRT062E INVALID {=|*|CHAR.'char'} IN FILEID ['fn ft fm']
    DMSSRT063E NO LIST ENTERED
    DMSSRT070E INVALID PARAMETER 'parameter'

DMS

SORT (continued)
    DMSSRT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSSRT105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
    DMSSRT212E MAXIMUM NUMBER OF RECORDS EXCEEDED
    DMSSRT604R ENTER SORT FIELDS:

SSERV
    DMSSRV003E INVALID OPTION 'option'
    DMSSRV004E BOOK 'subl.book' NOT FOUND
    DMSSRV006E NO READ/WRITE 'A' DISK ACCESSED
    DMSSRV070E INVALID PARAMETER 'parameter'
    DMSSRV097E NO 'SYSRES' VOLUME ACTIVE
    DMSSRV098E NO BOOK NAME SPECIFIED
    DMSSRV099E CMS/DOS ENVIRONMENT NOT ACTIVE
    DMSSRV105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
    DMSSRV113S DISK (cuu) NOT ATTACHED
    DMSSRV411S INPUT ERROR CODE 'nn' ON '{SYSRES|SYSSLB}'
    DMSSRV194S BOOK 'subl.book' CONTAINS BAD RECORDS

START
    DMSLIO021E ENTRY POINT 'name' NOT FOUND
    DMSLIO055E NO ENTRY POINT DEFINED
    DMSLIO740I EXECUTION BEGINS ...

STATE/STATEW
    DMSSTT002E 'fn ft fm' NOT FOUND
    DMSSTT048E INVALID MODE 'mode'
    DMSSTT054E INCOMPLETE FILEID SPECIFIED
    DMSSTT062E INVALID * IN FILEID 'fn ft'
    DMSSTT069E DISK 'mode' NOT ACCESSED
    DMSSTT070E INVALID PARAMETER 'parameter'
    DMSSTT227I PROCESSING VOLUME 'no' IN DATA SET 'data set name'
    DMSSTT228I USER LABELS BYPASSED ON DATA SET 'data set name'
    DMSSTT229E UNSUPPORTED OS DATA SET, ERROR 'code'

SVCTRACE
    DMSOVR014E INVALID FUNCTION 'function'
    DMSOVR047E NO FUNCTION SPECIFIED
    DMSOVR104S ERROR 'nn' READING FILE 'DMSOVR MODULE' ON DISK
    DMSOVR109S VIRTUAL STORAGE CAPACITY EXCEEDED

SYNONYM
    DMSSYN002E FILE 'fn ft fm' NOT FOUND
    DMSSYN003E INVALID OPTION 'option'
    DMSSYN007E FILE 'fn ft fm' NOT FIXED, 80 CHAR. RECORDS
    DMSSYN032E INVALID FILETYPE 'ft'
    DMSSYN056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS
    DMSSYN066E 'STD' and 'NOSTD' ARE CONFLICTING OPTIONS
    DMSSYN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSSYN711I NO SYSTEM SYNONYMS IN EFFECT
    DMSSYN712I NO SYNONYMS (DMSINA NOT IN NUCLEUS)

TAPE
    DMSTPE002E FILE[(S)]['fn [ft [fm]]'] NOT FOUND
    DMSTPE003E INVALID OPTION 'option'
    DMSTPE010E PREMATURE EOF ON FILE ['fn ft [fm]']
    DMSTPE014E INVALID FUNCTION 'function'
    DMSTPE017E INVALID DEVICE ADDRESS 'cuu'
    DMSTPE023E NO FILETYPE SPECIFIED
    DMSTPE027E INVALID DEVICE 'device name'
    DMSTPE029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
    DMSTPE037E DISK 'mode' IS READ/ONLY
    DMSTPE042E NO FILEID[(S)] SPECIFIED
    DMSTPE043E 'TAPn (cuu)' IS FILE PROTECTED
    DMSTPE047E NO FUNCTION SPECIFIED
    DMSTPE048E INVALID MODE 'mode'
    DMSTPE057E INVALID RECORD FORMAT
    DMSTPE058E END-OF-FILE OR END-OF-TAPE
    DMSTPE070E INVALID PARAMETER 'parameter'
    DMSTPE104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSTPE105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
    DMSTPE110S ERROR READING 'TAPn (cuu)'
    DMSTPE111S ERROR WRITING 'TAPn (cuu)'

TAPE (continued)
```
    DMSTPE113S TAPn(cuu) NOT ATTACHED
    DMSTPE115S {CONVERSION|{7|9}-TRACK|{800|6250} BPI|TRANSLATION|DUAL DENSITY}
               FEATURE NOT SUPPORTED ON DEVICE 'cuu'
    DMSTPE431E 'TAPn (cuu)' VOL1 LABEL MISSING
    DMSTPE701I NULL FILE
```

TAPEMAC
```
    DMSTMA001E NO FILENAME SPECIFIED
    DMSTMA003E INVALID OPTION 'option'
    DMSTMA057E INVALID RECORD FORMAT
    DMSTMA070E INVALID PARAMETER 'parameter'
    DMSTMA105S ERROR 'nn' WRITING FILE 'fn ft' ON DISK
    DMSTMA109S VIRTUAL STORAGE CAPACITY EXCEEDED
    DMSTMA110S ERROR READING 'TAPn'
    DMSTMA137S ERROR nn ON 'STATE' FOR fn ft
    DMSTMA138S ERROR nn ERASING fn ft BEFORE LOADING TAPE
    DMSTMA139S TAPE FILE EXCEEDS 9 CMS MACLIBS
    DMSTMA420E NSL EXIT FILENAME MISSING OR  INVALID
```

TAPPDS
```
    DMSTPD003E INVALID OPTION 'option'
    DMSTPD058E END-OF-FILE OR END-OF-TAPE
    DMSTPD105S ERROR 'nn' WRITING FILE 'fn ft fm'
    DMSTPD109S VIRTUAL STORAGE CAPACITY EXCEEDED
    DMSTPD110S ERROR READING 'TAPn'
    DMSTPD420E NSL EXIT FILENAME MISSING OR INVALID
    DMSTPD703I FILE 'fn ft [fm]' COPIED
    DMSTPD707I TEN FILES COPIED
```

TXTLIB
```
    DMSLBT001E NO FILENAME SPECIFIED
    DMSLBT002E FILE[(S)] ['fn [ft [fm]]'] NOT FOUND
    DMSLBT002W FILE[(S)][ 'fn [ft [fm]]'] NOT FOUND
    DMSLBT003E INVALID OPTION 'option'
    DMSLBT013E MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'
    DMSLBT014E INVALID FUNCTION 'function'
    DMSLBT037E DISK 'mode' IS READ/ONLY
    DMSLBT046E NO LIBRARY NAME SPECIFIED
    DMSLBT047E NO FUNCTION SPECIFIED
    DMSLBT056E FILE 'fn ft fm' CONTAINS INVALID [NAME|ALIAS|ENTRY|ESD] RECORD FORMATS
    DMSLBT056W FILE 'fn ft fm' CONTAINS [{NAME|ALIAS|ENTRY|ESD}] INVALID RECORD FORMATS
    DMSLBT069E DISK 'mode' NOT ACCESSED
    DMSLBT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSLBT105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
    DMSLBT106S NUMBER OF MEMBER NAMES EXCEEDS MAX 'nnnn'.  FILE 'fn ft fm' NOT ADDED
    DMSLBT213W LIBRARY 'fn ft fm' NOT CREATED
```

TYPE
```
    DMSTYP002E FILE 'fn ft fm' NOT FOUND
    DMSTYP003E INVALID OPTION 'option'
    DMSTYP005E NO 'option' SPECIFIED
    DMSTYP009E COLUMN 'col' EXCEEDS RECORD LENGTH
    DMSTYP013E MEMBER 'name' NOT FOUND IN LIBRARY
    DMSTYP029E INVALID PARAMETER 'parameter' [IN THE OPTION 'option' FIELD]
    DMSTYP033E FILE 'fn ft fm' IS NOT A LIBRARY
    DMSTYP039E NO ENTRIES IN LIBRARY 'fn ft fm'
    DMSTYP049E INVALID LINE NUMBER 'line number'
    DMSTYP054E INCOMPLETE FILEID SPECIFIED
    DMSTYP062E INVALID * IN FILEID
    DMSTYP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
```

UPDATE
```
    DMSUPD001E NO FILENAME SPECIFIED
    DMSUPD002E FILE 'fn ft fm' NOT FOUND
    DMSUPD003E INVALID OPTION 'option'
    DMSUPD007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
    DMSUPD010W PREMATURE EOF ON FILE 'fn ft fm'
    DMSUPD024E FILE 'UPDATE CMSUT1 fm' ALREADY EXISTS
    DMSUPD037E DISK 'A' IS READ/ONLY
    DMSUPD048E INVALID MODE 'mode'
    DMSUPD065E 'option' OPTION SPECIFIED TWICE
```

UPDATE (continued)
    DMSUPD066E 'option' AND 'option' ARE CONFLICTING OPTIONS
    DMSUPD069E DISK 'A' NOT ACCESSED
    DMSUPD070E INVALID PARAMETER 'parameter'
    DMSUPD104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
    DMSUPD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
    DMSUPD174W SEQUENCE ERROR INTRODUCED IN OUTPUT FILE: '........' TO '........'
    DMSUPD176W SEQUENCING OVERFLOW FOLLOWING SEQ NUMBER'.........'
    DMSUPD177I WARNING MESSAGES ISSUED (SEVERITY = nn). ['REP' OPTION IGNORED]
    DMSUPD178I UPDATING ['fn ft fm'] WITH 'fn ft fm'
    DMSUPD179E MISSING OR DUPLICATE 'MACS' CARD IN CONTROL FILE 'fn ft fm'
    DMSUPD180W MISSING PTF FILE 'fn ft fm'
    DMSUPD181E NO UPDATE FILES WERE FOUND
    DMSUPD182W SEQUENCE INCREMENT IS ZERO
    DMSUPD183E INVALID {CONTROL|AUX} FILE CONTROL CARD
    DMSUPD184W './ S' NOT FIRST CARD IN UPDATE FILE--IGNORED
    DMSUPD185W INVALID CHAR IN SEQUENCE FIELD '........'
    DMSUPD186W SEQUENCE NUMBER '........' NOT FOUND
    DMSUPD187E OPTION 'STK' INVALID WITHOUT 'CTL'
    DMSUPD207W INVALID UPDATE FILE CONTROL CARD
    DMSUPD210W INPUT FILE SEQUENCE ERROR '.........' TO '.........'
    DMSUPD299E INSUFFICIENT STORAGE TO COMPLETE UPDATE
    DMSUPD300E INSUFFICIENT STORAGE TO BEGIN UPDATE
    DMSUPD304I UPDATE PROCESSING WILL BE DONE USING DISK

ZAP
    DMSZAP001E NO FILENAME SPECIFIED
    DMSZAP002E FILE 'fn ft' NOT FOUND
    DMSZAP002W FILE 'fn ft' NOT FOUND
    DMSZAP003E INVALID OPTION 'option'
    DMSZAP007E FILE 'fn ft' IS NOT FIXED, 80 CHAR. RECORDS
    DMSZAP014E INVALID FUNCTION 'function'
    DMSZAP047E NO FUNCTION SPECIFIED
    DMSZAP056E FILE 'fn ft' CONTAINS INVALID RECORD FORMATS
    DMSZAP070E INVALID PARAMETER 'parameter'
    DMSZAP104S ERROR 'nn' READING FILE 'fn ft' FROM DISK
    DMSZAP190W INVALID CONTROL RECORD OR NO GO SWITCH SET
    DMSZAP191W PATCH OVERLAPS-SET NO GO SWITCH
    DMSZAP192W ERROR-ODD NUMBER OF DIGITS-SET NO GO SWITCH
    DMSZAP193W PRECEDING CONTROL RECORD FLUSHED
    DMSZAP194W CSECT NOT FOUND IN {MEMBER 'membername'|MODULE 'modulename'} -
               SET NO GO SWITCH
    DMSZAP195W BASE VALUE INVALID-SET NO GO SWITCH
    DMSZAP200W VERIFY REJECT-SET NO GO SWITCH
    DMSZAP208E FILE 'fn ft' IS NOT VARIABLE RECORD FORMAT
    DMSZAP210E FILE 'fn ft' IS ON A READ/ONLY DISK
    DMSZAP245S ERROR 'nnn' ON PRINTER
    DMSZAP246W NO LOADER TABLE PRESENT FOR MODULE 'fn ft'-SET NO GO SWITCH
    DMSZAP247W MEMBER 'name' NOT FOUND--SET NO GO SWITCH
    DMSZAP248W INVALID VER/REP DISP--SET NO GO SWITCH
    DMSZAP750I ZAP PROCESSING COMPLETE
    DMSZAP751I MEMBER FOUND IN LIBRARY 'fn'

CMS INITIALIZATION ROUTINE
    DMSINS098W CMS OS SIMULATION NOT AVAILABLE
    DMSINS100W CMSSEG SYSTEM NAME 'name' NOT AVAILABLE

CMS/DOS CLOSE ROUTINE
    DMSCLS043E TAPn IS FILE PROTECTED
    DMSCLS058E END-OF-FILE OR END-OF-TAPE ON 'TAPn'
    DMSCLS088E UNSUPPORTED DTF TYPE 'dtftype'
    DMSCLS089E CLOSE ERROR CODE 'nn' ON '{fn|SYSxxx|TAPn}'
    DMSCLS113S 'TAPn (cuu)' NOT ATTACHED
    DMSCLS140S SEOV/FEOV MACRO NOT SUPPORTED
    DMKCLS429I 'TAPn (cuu)' EOT ON OUTPUT

CMS/DOS GENERATION PROCEDURE
    DMSGEN006E NO READ/WRITE A-DISK ACCESSED
    DMSGEN095E INVALID ADDRESS 'address'
    DMSGEN110E CORRECT FORM IS: DOSGEN LOCATION SEGNAME
    DMSGEN111E DOSGEN FAILED DUE TO LOAD ERRORS
    DMSGEN141S DOSGEN FAILED DUE TO SAVESYS ERRORS
    DMSGEN715I DOSGEN COMPLETE

CMS/DOS OPEN ROUTINE
      DMSBOP037E DISK 'mode' IS READ/ONLY
      DMSBOP043E TAPn IS FILE PROTECTED
      DMSBOP058E END-OF-FILE OR END-OF-TAPE ON 'TAPn'
      DMSBOP069E DISK 'mode' NOT ACCESSED
      DMSBOP086W DLBL 'ddname' DUMMY INVALID FOR VSAM
      DMSBOP088E UNSUPPORTED DTF TYPE 'dtftype'
      DMSBOP089E OPEN ERROR CODE 'nn' ON {fn|SYSxxx|TAPN}
      DMSBOP113S {TAPn|mode (cuu)} NOT ATTACHED
      DMSBOP302E NO SYSxxx OPERAND SPECIFIED
CMS/DOS OPEN ROUTINE (continued)
      DMSBOP308E 'mode' DISK IN CMS FORMAT; INVALID FOR NON-CMS DATASET
      DMSBOP400S SYSTEM 'sysname' DOES NOT EXIST
      DMSBOP401S VM SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)
      DMSBOP410S CONTROL PROGRAM ERROR INDICATION 'retcode'
      DMSBOP413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING

CMS/DOS OPEN LIBRARY ROUTINE
      DMSOPL089E OPEN ERROR CODE 'nn' ON SYSxxx
      DMSOPL158E NO CMS/DOS PROCEDURE LIBRARY SUPPORT

CMS/DOS SVC HANDLER ROUTINE
      DMSDOS004E PHASE 'phase' NOT FOUND
      DMSDOS091E SAVEAREA ADDRESS IN PARTITION PIB NOT EQUIVALENT TO LTA SAVEAREA ADDRESS
      DMSDOS092E STXIT SAVEAREA ADDRESS INVALID
      DMSDOS093E MVCOM MACRO ATTEMPTING TO ALTER OTHER THAN POSITION 12-23 OF COMREG
      DMSDOS094E FROM ADDRESS ON MVCOM MACRO INVALID
      DMSDOS095E INVALID ADDRESS 'address'
      DMSDOS096S UNSUPPORTED FUNCTION IN A LIOCS ROUTINE
      DSMDOS121S UNSUPPORTED SVC no. (HEX no.) CALLED FROM caller
      DMSDOS140S {FEOVD|SEOV|FEOV} MACRO NOT SUPPORTED
      DMSDOS160S JOB CANCELED DUE TO PROGRAM REQUEST
      DMSDOS401S VM SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)
      DMSDOS413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING

CMSXGEN PROCEDURE
      DMSCMS006E NO READ/WRITE A-DISK ACCESSED
      DMSCMS095E INVALID ADDRESS 'address'
      DMSCMS110E CORRECT FORM IS: CMSXGEN LOCATION (SEGNAME)
      DMSCMS111E CMSXGEN FAILED DUE TO LOAD ERRORS
      DMSCMS141S CMSXGEN FAILED DUE TO SAVESYS ERRORS
      DMSCMS412S CMSXGEN FAILED DUE TO SETKEY ERROR
      DMSCMS715I CMSXGEN COMPLETE
DUMP/JDUMP/PDUMP ROUTINE
      DMSDMP020W INVALID PDUMP ADDRESS 'address' - NO DUMP OPERATION PERFORMED

EXCP ROUTINE
      DMSXCP037E OUTPUT DISK mode (cuu) IS READ/ONLY
      DMSXCP043E TAPE (cuu) IS FILE PROTECTED
      DMSXCP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
      DMSXCP105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
      DMSXCP113S 'device (cuu)' NOT ATTACHED
      DMSXCP411S {INPUT|OUTPUT} ERROR CODE 'nn' ON 'SYSxxx'
      DMSXCP161S UNEXPECTED ERROR CODE 'nn' ON 'SYSxxx'

OS OPEN AND CLOSE ROUTINE
      DMSSOP036W UPDATE REQUESTED FOR READ-ONLY DISK
      DMSSOP036E OPEN ERROR CODE 'nn' ON 'ddname'
      DMSSOP109S VIRTUAL STORAGE CAPACITY EXCEEDED

OS I/O ROUTINES
      DMSSEB429I 'TAPn (cuu)' EOT ON OUTPUT

TAPE LABEL PROCESSING ROUTINES
      DMSTLB027E INVALID DEVICE 'device name'
      DMSTLB043E 'TAPn (cuu)' IS FILE PROTECTED
      DMSTLB058E END-OF-FILE or END-OF-TAPE [ON TAPn]
      DMSTLB110S ERROR READING 'TAPn [(cuu)'
      DMSTLB111S ERROR WRITING 'TAPn (cuu)'
      DMSTLB113S 'TAPn (cuu)' NOT ATTACHED
      DMSTLB421E 'TAPn (cuu)' HDR1 LABEL MISSING FOR 'filename'

TAPE LABEL PROCESSING ROUTINES (continued)
    DMSTLB422E 'TAPn (cuu)' POSITIONED WRONG FOR 'filename'
    DMSTLB423I 'TAPn (cuu)' POSITION PARAMETER IGNORED. OUTPUT FILE
                WILL BE WRITTEN IMMEDIATELY AFTER NEW VOL1 LABEL
    DMSTLB424E 'TAPn (cuu)' NOT POSITIONED AT EOF1 LABEL
    DMSTLB425R 'TAPn (cuu)' BLOCK COUNT ERROR FOR 'filename'
                ENTER 'IGNORE' OR 'CANCEL'
    DMSTLB426R 'TAPn (cuu)' UNEXPIRED FILE ENTER 'IGNORE' OR 'ERROR'
    DMSTLB427I 'TAPn (cuu)' EOV1 LABEL READ
    DMSTLB428I 'TAPn (cuu)' EOV1 LABEL WRITTEN
    DMSTLB430E 'TAPn (cuu)' LABELDEF INFORMATION MISSING FOR 'filename'
    DMSTLB431E 'TAPn (cuu)' VOL1 LABEL MISSING
    DMSTLB432E 'TAPn (cuu)' VOLID volid DOES NOT MATCH LABELDEF VOLID FOR 'filename'
    DMSTLB433R ENTER 'WRITE (VOLID' OR 'REJECT'
    DMSTLB434E 'TAPn (cuu)' INPUT LABEL CHECK ERROR FOR FIELD 'fieldname'
                FILE 'filename'
    DMSTLB435R ENTER 'IGNORE' OR 'CANCEL'
    DMSTLB436I 'TAPn (cuu)' MISSING USER STANDARD LABEL FOR 'ddname'
    DMSTLB437I 'TAPn (cuu)' NSL ROUTINE RETURNED AN ERROR CODE 'nnnnnn' FOR 'filename'

SAVED SYSTEM ROUTINES
    DMSVIB400S SYSTEM 'sysname' DOES NOT EXIST
    DMSVIB401S VM SIZE (size) CANNOT EXCEED 'sysname' START ADDRESS (address)
    DMSVIB410S CONTROL PROGRAM ERROR INDICATION 'retcode'
    DMSVIB109S VIRTUAL STORAGE CAPACITY EXCEEDED

VSAMGEN EXEC PROCEDURE
    DMSVGN069E DISK 'A' NOT ACCESSED
    DMSVGN360E INVALID RESPONSE 'response'
    DMSVGN360I CMS/VSAM TEXT FILES CREATED ON DISK 'A'
    DMSVGN360R ENTER EITHER 'INSTALL' OR 'UPDATE':
    DMSVGN361E DISK 'mode' IS NOT A {CMS|DOS} DISK
    DMSVGN361I CREATING CMS TEXT FILES...
    DMSVGN361R ENTER EITHER 'DOS' OR 'OS':
    DMSVGN362I LINK EDITING sysname
    DMSVGN362R ENTER MODE OF DOS SYSTEM RELOCATABLE LIBRARY DISK:
    DMSVGN363I sysname DOSLIB CREATED ON DISK 'A'
    DMSVGN363R ENTER LOCATION WHERE sysname WILL BE LOADED AND SAVED:
    DMSVGN364I FETCHING sysname...
    DMSVGN364R ENTER 'CMSVSAM' OR 'CMSAMS' OR 'BOTH' FOR GENERATION OF NEW SYSTEM(S):
    DMSVGN365I SYSTEM sysname SAVED
    DMSVGN365R ENTER MODULE NAME (8 CHARS OR LESS) OR 'END':
    DMSVGN366I STARTING TO READ PTF DECKS FROM READER...
    DMSVGN366R ENTER NAME OF SYSTEM TO BE SAVED:
    DMSVGN367I 'modulename TEXT' WRITTEN ON DISK 'A'
    DMSVGN368I count NEW PTF DECKS WILL BE APPLIED
    DMSVGN368R ERASE sysname DOSLIB?...ENTER 'YES' OR 'NO':
    DMSVGN369E INVALID _ RELEASE 31 OR LATER REQUIRED
    DMSVGN369R ENTER RELEASE NUMBER OF DOS/VS STARTER SYSTEM:
    DMSVGN380R ENTER 'TAPE' OR 'CARDS' FOR PTF APPLICATION:
    DMSVGN381R ENTER 'SELECT' OR 'ALL' FOR TAPE PTF APPLICATION:
    DMSVGN382R ENTER NUMBER OF TAPE FILES TO BE PROCESSED:
    DMSVPD070E INVALID PARAMETER 'parameter'
    DMSVPD105S ERROR 'nn' WRITING FILE 'fn CMSUT1 A1' ON DISK
    DMSVPD109S VIRTUAL STORAGE CAPACITY EXCEEDED
    DMSVPD110S ERROR READING TAP1 (181)
    DMSVPD113S TAP1 (181) NOT ATTACHED
    DMSVPD367I 'modulename TEXT' WRITTEN ON DISK 'A'
    DMSVPD368I count NEW PTF DECKS WILL BE APPLIED
    DMSVPD383R APPLY 'fn' ? ...ENTER 'NO' OR EOB:

VSAM INTERFACE (OS USER)
    DMSVIP109S VIRTUAL STORAGE CAPACITY EXCEEDED
    DMSVIP230E NO. OF VSAM EXIT ROUTINES HAS EXCEEDED MAX OF 128 - UNABLE TO CONTINUE

RSCS Message Summary

RSCS Spontaneous Messages

```
DMTREX000I RSCS (VER v, LEV 1, mm/dd/yy) READY
DMTCMX001I FREE STORAGE = nn PAGES
DMTREX002I LINK linkid DEACTIVATED
DMTCMX003I LINK linkid EXECUTING: (command line text)
DMTNPT070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw
DMTSML070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw
DMTREX080E PROGRAM CHECK -- LINK linkid DEACTIVATED
DMTREX090T PROGRAM CHECK IN SUPERVISOR -- RSCS SHUTDOWN
DMTREX091T INITIALIZATION FAILURE -- RSCS SHUTDOWN
DMTAXS101I FILE spoolid ENQUEUED ON LINK linkid
DMTAXS102I FILE spoolid PENDING FOR LINK linkid

DMTAXS103E FILE spoolid REJECTED -- INVALID DESTINATION ADDRESS
DMTAXS104I FILE SPOOLED TO userid2 -- ORG locid1 (name1) mm/dd/yy hh:mm:ss
DMTAXS105I FILE spoolid PURGED
DMTAXS106I FILE spoolid MISSING -- DEQUEUED FROM LINK linkid
DMTAXS107I nn PENDING FILES FOR LINK linkid MISSING
DMTAXS108E SYSTEM ERROR READING SPOOL FILE spoolid
DMTNPT108E SYSTEM ERROR READING SPOOL FILE spoolid
DMTSML108E SYSTEM ERROR READING SPOOL FILE spoolid
DMTNPT141I LINE vaddr READY FOR CONNECTION TO LINK linkid
DMTSML141I LINE vaddr READY FOR CONNECTION TO LINK linkid

DMTNPT142I LINK linkid LINE vaddr CONNECTED
DMTSML142I LINK linkid LINE vaddr CONNECTED
DMTNPT143I LINK linkid LINE vaddr DISCONNECTED
DMTSML143I LINK linkid LINE vaddr DISCONNECTED
DMTNPT144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTSML144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTNPT145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTSML145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTNPT146I SENDING: FILE spoolid ON LINK linkid, REC nnnnnn
DMTSML146I SENDING: FILE spoolid ON LINK linkid, REC nnnnnn

DMTNPT147I SENT: FILE spoolid ON LINK linkid
DMTSML147I SENT: FILE spoolid ON LINK linkid
DMTNPT149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS= nnn; TMOUTS= ppp
DMTSML149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS= nnn; TMOUTS= ppp
DMTNPT160I LINE vaddr DISABLED FOR linkid
DMTSML160I LINE vaddr DISABLED FOR linkid
DMTNPT170I FROM linkid: (MSG message text)
DMTSML170I FROM linkid: (MSG message text)

DMTNPT190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid
DMTSML190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid
DMTNPT934E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED
DMTSML934E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED
DMTSML935E LINK linkid IN RJE MODE -- PRINT FILE spoolid PURGED
DMTNPT936E NO REMOTE PUNCH AVAILABLE ON LINK linkid -- FILE spoolid PURGED
DMTSML937E DECOMPRESSION ERROR ON linkid -- LINK DEACTIVATED
```

General Command Responses

```
DMTCMX200I RSCS
DMTCMX201E INVALID COMMAND command
DMTCMX202E INVALID LINK linkid
DMTCMX203E INVALID SPOOL FILE ID spoolid
DMTCMX204E INVALID KEYWORD keyword
DMTCMX205E CONFLICTING KEYWORD keyword
DMTCMX206E INVALID OPTION keyword option
DMTCMX207E CONFLICTING OPTION keyword option
DMTCMX208E INVALID USER ID userid
DMTCMX300I ACCEPTED BY TASK task
DMTCMX301E REJECTED BY TASK task -- PREVIOUS COMMAND ACTIVE
DMTCMX302E LINK linkid IS NOT DEFINED
DMTCMX303E LINK linkid IS NOT ACTIVE
DMTCMX304E REJECTED BY TASK task -- NOT RECEIVING
```

DMT

BACKSPAC
    DMTNPT510I FILE spoolid BACKSPACED
    DMTSML510I FILE spoolid BACKSPACED
    DMTNPT511E NO FILE ACTIVE ON LINK linkid
    DMTSML511E NO FILE ACTIVE ON LINK linkid

CHANGE
    DMTAXS520I FILE spoolid CHANGED
    DMTAXS521I FILE spoolid HELD FOR LINK linkid
    DMTAXS522I FILE spoolid RELEASED FOR LINK linkid
    DMTAXS523I LINK linkid QUEUE REORDERED
    DMTAXS524E FILE spoolid ACTIVE -- NO ACTION TAKEN
    DMTAXS525E FILE spoolid IS FOR LINK linkid -- NO ACTION TAKEN
    DMTAXS526E FILE spoolid NOT FOUND -- NO ACTION TAKEN

CMD
    DMTSML530I COMMAND FORWARDED ON LINK linkid

DEFINE
    DMTCMX540I NEW LINK linkid DEFINED
    DMTCMX541I LINK linkid REDEFINED
    DMTCMX542E LINK linkid ACTIVE -- NOT REDEFINED
    DMTCMX543E LINK linkid NOT DEFINED -- LINK LIMIT REACHED
    DMTCMX544E LINK linkid NOT DEFINED -- TYPE NOT SPECIFIED

DELETE
    DMTCMX550I LINK linkid NOW DELETED
    DMTCMX551E LINK linkid ACTIVE -- NOT DELETED
    DMTCMX552E LINK linkid HAS A FILE QUEUE -- NOT DELETED

DISCONN
    DMTCMX560I RSCS DISCONNECTING
    DMTCMX561E USERID userid NOT RECEIVING

DRAIN
    DMTNPT570I LINK linkid NOW SET TO DEACTIVATE
    DMTSML570I LINK linkid NOW SET TO DEACTIVATE
    DMTNPT571E LINK linkid ALREADY SET TO DEACTIVATE
    DMTSML571E LINK linkid ALREADY SET TO DEACTIVATE

FLUSH
    DMTNPT580I FILE spoolid PROCESSING TERMINATED
    DMTSML580I FILE spoolid PROCESSING TERMINATED
    DMTNPT581E FILE spoolid NOT ACTIVE
    DMTSML581E FILE spoolid NOT ACTIVE

FREE
    DMTNPT590I LINK linkid RESUMING FILE TRANSFER
    DMTSML590I LINK linkid RESUMING FILE TRANSFER
    DMTNPT591E LINK linkid NOT IN HOLD STATUS
    DMTSML591E LINK linkid NOT IN HOLD STATUS

FWDSPACE
    DMTNPT511E NO FILE ACTIVE ON LINK linkid
    DMTSML511E NO FILE ACTIVE ON LINK linkid
    DMTNPT600I FILE spoolid FORWARD SPACED
    DMTSML600I FILE spoolid FORWARD SPACED

HOLD
    DMTNPT610I LINK linkid TO SUSPEND FILE TRANSMISSION
    DMTSML610I LINK linkid TO SUSPEND FILE TRANSMISSION
    DMTNPT611I LINK linkid FILE TRANSMISSION SUSPENDED
    DMTSML611I LINK linkid FILE TRANSMISSION SUSPENDED
    DMTNPT612E LINK linkid ALREADY IN HOLD STATUS
    DMTSML612E LINK linkid ALREADY IN HOLD STATUS

MSG
    No response.

ORDER
```
    DMTAXS523I LINK linkid QUEUE REORDERED
    DMTAXS524E FILE spoolid ACTIVE -- NO ACTION TAKEN
    DMTAXS525E FILE spoolid IS FOR LINK linkid -- NO ACTION TAKEN
    DMTAXS526E FILE spoolid NOT FOUND -- NO ACTION TAKEN
```

Specific Command Responses

PURGE
```
    DMTAXS524E FILE spoolid ACTIVE -- NO ACTION TAKEN
    DMTAXS525E FILE spoolid IS FOR linkid -- NO ACTION TAKEN
    DMTAXS526E FILE spoolid NOT FOUND -- NO ACTION TAKEN
    DMTAXS640I nn FILE(S) PURGED ON LINK linkid
```

QUERY linkid STAT
```
    DMTCMX651I LINK linkid INACTIVE
    DMTCMX652I LINK linkid ACTIVE task type vaddr c {HO|NOH} {DR|NOD}
               {TRA|TRE|NOT} Q=m P=n
```

QUERY linkid DEF
```
    DMTCMX653I LINK linkid DEFAULT task type vaddr c R=m
```

QUERY linkid QUEUE
```
    DMTCMX654I LINK linkid Q=m P=n
    DMTCMX655I FILE spoolid locid userid CL a PR mm REC nnnnnn {A|I}
```

QUERY FILE spoolid STAT
```
    DMTCMX660I FILE spoolid INACTIVE ON LINK linkid
    DMTCMX661I FILE spoolid ACTIVE ON LINK linkid
    DMTCMX664E FILE spoolid NOT FOUND
```

QUERY FILE spoolid RSCS
```
    DMTCMX662I FILE spoolid ORG locid1 userid1 mm/dd/yy hh:mm:ss
               TO locid2 userid2
    DMTCMX664E FILE spoolid NOT FOUND
```

QUERY FILE spoolid VM
```
    DMTCMX663I FILE spoolid PR mm CL a CO nn {HO|NOH} DI distcode,
               NA {fn ft|dsname}
    DMTCMX664E FILE spoolid NOT FOUND
```

QUERY SYSTEM
```
    DMTCMX670I LINK linkid ACTIVE -- LINE vaddr {HO|NOH}
    DMTCMX671I LINK linkid INACTIVE
    DMTCMX672I NO LINK ACTIVE
    DMTCMX673I NO LINK DEFINED
```

SIGNON
```
    DMTNPT902E NON-SIGNON CARD READ ON LINK linkid
    DMTSML902E NON-SIGNON CARD READ ON LINK linkid
    DMTNPT903E PASSWORD SUPPLIED ON LINK linkid IS INVALID
    DMTSML903E PASSWORD SUPPLIED ON LINK linkid IS INVALID
    DMTNPT904E SIGNON PARAMETER=parameter INVALID
    DMTNPT905I SIGNON of LINKID linkid COMPLETE
    DMTSML905I SIGNON of LINKID linkid COMPLETE
```

START
```
    DMTCMX700I ACTIVATING LINK linkid task type vaddr c
    DMTCMX701E NO SWITCHED LINE AVAILABLE -- LINK linkid NOT ACTIVATED
    DMTCMX702E LINE vaddr IS IN USE BY LINK linkid1 -- LINK linkid2
               NOT ACTIVATED
    DMTCMX703E DEV cuu IS NOT A LINE PORT -- LINK linkid NOT ACTIVATED
    DMTCMX704E LINE vaddr CC=3 NOT OPERATIONAL -- LINK linkid NOT ACTIVATED
    DMTCMX705E DRIVER type NOT FOUND ON DISK vaddr -- LINK linkid NOT
               ACTIVATED
    DMTCMX706E FATAL ERROR LOADING FROM vaddr -- LINK linkid NOT ACTIVATED
    DMTCMX707E DRIVER type FILE FORMAT INVALID -- LINK linkid NOT ACTIVATED
    DMTCMX708E VIRTUAL STORAGE CAPACITY EXCEEDED -- LINK linkid NOT ACTIVATED
    DMTCMX709E TASK NAME task ALREADY IN USE -- LINK linkid NOT ACTIVATED
    DMTCMX710E MAX (nn) ACTIVE -- LINK linkid NOT ACTIVATED
```

DMT

START (continued)
    DMTNPT750E LINK linkid ALREADY ACTIVE -- NO ACTION TAKEN
    DMTSML750E LINK linkid ALREADY ACTIVE -- NO ACTION TAKEN
    DMTCMX751I LINK linkid ALREADY ACTIVE -- NEW CLASS(ES) SET AS REQUESTED
    DMTNPT752I LINK linkid STILL ACTIVE -- DRAIN STATUS RESET
    DMTSML752I LINK linkid STILL ACTIVE -- DRAIN STATUS RESET
    DMTSML901E INVALID SML MODE SPECIFIED -- LINK linkid NOT ACTIVATED
    DMTSML906E INVALID SML BUFFER PARAMETER -- LINK linkid NOT ACTIVATED

TRACE
    DMTNPT801I LINK linkid ERROR TRACE STARTED
    DMTSML801I LINK linkid ERROR TRACE STARTED
    DMTNPT802I LINK linkid TRACE STARTED
    DMTSML802I LINK linkid TRACE STARTED
    DMTNPT803I LINK linkid TRACE ENDED
    DMTSML803I LINK linkid TRACE ENDED
    DMTNPT810E LINK linkid TRACE ALREADY ACTIVE
    DMTSML810E LINK linkid TRACE ALREADY ACTIVE
    DMTNPT811E LINK linkid TRACE NOT ACTIVE
    DMTSML811E LINK linkid TRACE NOT ACTIVE

Messages Generated during System Generation and Initialization

    DMTINI402T IPL DEVICE READ I/O ERROR
    DMTINI406R SYSTEM DISK ADDRESS = cuu
    DMTINI407R REWRITE THE NUCLEUS? (YES|NO)
    DMTINI409R NUCLEUS CYL ADDRESS = nnn
    DMTINI410R ALSO IPL CYLINDER 0? (YES|NO)
    DMTINI431S IPL DEVICE WRITE I/O ERROR
    DMTINI479E INVALID DEVICE ADDRESS -- REENTER
    DMTINI480E INVALID CYLINDER NUMBER -- REENTER
    DMTINI481E INVALID REPLY -- ANSWER "YES" OR "NO"
    DMTINI482E SYSTEM DISK ERROR -- REENTER
    DMTINI483E NUCLEUS WILL OVERLAY CMS FILES -- RECOMPUTE

IPCS Message Summary

DUMPSCAN
    DMMDSC500S ERROR 'nnn' WRITING TO VIRTUAL PRINTER
    DMMDSC700I TYPE HELP OR ENTER
    DMMDSC701R ENTER DUMP NUMBER AND MODE
    DMMDSC719I ERROR 'nnn' IN FSSTATE 'filename filetype fm'
    DMMDSC720I LOAD MAP ALREADY PRESENT
    DMMDSC721I &NAME TABLE IS FULL
    DMMDSC722I INVALID ENTRY INTO &NAME TABLE
    DMMDSC723I THE DUMP IS NOT ON THE A-DISK
    DMMFED702I NON-HEX CHARACTER IN COUNT - RETRY
    DMMFED703I NON-HEX CHARACTER IN ADDRESS - RETRY
    DMMFEX704I NON-HEX CHARACTER IN ADDRESS - RETRY
    DMMGET100S ERROR 'nnn' READING FILE 'filename filetype fm'
    DMMGET708I PAGE 'page' NOT FOUND IN DUMP
    DMMHEX714I NON-HEX CHARACTER IN INPUT - RETRY
    DMMIOB712I DEVICE 'cuu' NOT FOUND
    DMMIOB713I USER 'userid' VMBLOK NOT FOUND
    DMMLOC715I NON-HEX CHARACTER IN STRING
    DMMLOC716I STRING 'string' NOT FOUND
    DMMLOC716I STRING 'string' NOT FOUND BEFORE END OF DUMP
    DMMLOC717I INVALID FORM OF LOCATE COMMAND
    DMMMOD100S ERROR 'nnn' READING FILE 'filename filetype fm'
    DMMMOD705E ERROR IN ITEM TABLE
    DMMMOD706I 'entry name' NOT FOUND IN THE LOAD MAP
    DMMMOD707I 'module' 'page' PAGE NOT VALID
    DMMMOD718I THIS DUMP HAS NO LOAD MAP - SEE MAP SUBCOMMAND
    DMMREG100S ERROR 'nnn' READING FILE 'fileid'
    DMMREG724I {AP} REGISTERS REQUESTED FOR UNIPROCESSOR DUMP
    DMMREG724I {MP} REGISTERS REQUESTED FOR UNIPROCESSOR DUMP
    DMMSCR709I NO VALID SCROLL ADDRESS
    DMMTRC710I NON-NUMERIC COUNT CHARACTER - RETRY
    DMMVMB711I LOOP IN VMBLOK CHAIN

PRB
    DMMSUM100S ERROR 'nnn' READING FILE 'filename filetype fm'
    DMMSUM200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
    DMMSUM501S INVALID PARM 'badparm' PASSED TO SUMMARY UPDATE PROGRAM
    DMMSUM502S PROBLEM 'PRBnnnnn' NOT FOUND IN SYMPTOM SUMMARY

PROB
    DMMPRO100S ERROR 'nnn' READING FILE 'filename filetype fm'
    DMMPRO200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
    DMMPRO300S ERROR 'nnn' ON FSSTATE 'filename filetype fm'
    DMMSEA100S ERROR 'nnn' READING FILE 'filename filetype fm'
    DMMSUM100S ERROR 'nnn' READING FILE 'filename filetype fm'
    DMMSUM200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
    DMMSUM501S INVALID PARM 'badparm' PASSED TO SUMMARY UPDATE PROGRAM
    DMMSUM502S PROBLEM 'PRBnnnnn' NOT FOUND IN SYMPTOM SUMMARY
    DMMWRT200S ERROR 'nnn' WRITING FILE 'filename filetype fm'

STAT
    DMMSTA100S ERROR 'nnn' READING FILE 'filename filetype fm'
    DMMSTA200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
    DMMSTA601I OPERAND 'operand' NOT RECOGNIZED

VMFDUMP
    DMMCPA805I 'nnn' ABEND CODE NOT RECOGNIZED BY DATA EXTRACTION
    DMMGRC100S ERROR 'nnn' READING FILE 'filename filetype fm'
    DMMGRC809I REQUESTED ADDRESS NOT IN DUMP
    DMMINI100S ERROR 'nnn' READING FILE 'filename filetype fm'
    DMMINI200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
    DMMINI300S ERROR 'nnn' ON FSSTATE 'filename filetype fm'
    DMMINI400S ERROR 'nnn' CLOSING 'filename filetype fm'
    DMMINI800S DATA EXTRACTION FAILURE
    DMMINI803S ERROR 'nnn' ATTEMPTING TO LOADMOD VMFDUMP2
    DMMMAP200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
    DMMMAP801I NUC MAP 'filename filetype fm' IS NOT VALID FOR THIS DUMP
    DMMMAP802I PROCEEDING....
    DMMMAP806R ENTER 'filename filetype fm' OF NUCLEUS LOAD MAP OR ENTER NULL
    DMMMAP807I UNABLE TO LOCATE 'filename filetype fm'

VMFDUMP (continued)
    DMMMAP808I NUCLEUS MAP INVALID 'filename filetype fm'
    DMMMAP810I ERROR 'nnn' READING FILE 'filename filetype fm'
    DMMPRM200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
    DMMPRM804I PROCESSING ERROR IN DATA EXTRACTION
    DMMSEA100S ERROR 'nnn' READING FILE 'filename filetype fm'
    DMMSUM100S ERROR 'nnn' READING FILE 'filename filetype fm'
    DMMSUM200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
    DMMSUM501S INVALID PARM 'badparm' PASSED TO SUMMARY UPDATE PROGRAM
    DMMSUM502S PROBLEM 'PRBnnnnn' NOT FOUND IN SYMPTOM SUMMARY
    DMMWRT200S ERROR 'nnn' WRITING FILE 'filename filetype fm'

Appendix B: Message Summary Alphamerically by Message Identifier

This appendix lists the messages issued by CP, CMS, RSCS, and IPCS. The lists are organized alphamerically, in order by module code, message number, and type.

Note: Messages shown in this appendix are not qualified with program product identifiers, refer to the message section of this book to establish ownership.

CP Message Summary

```
DMKACO425A PUN cuu ACCOUNTING DATA; FATAL I/O ERROR
DMKACO425E I/O ERROR DURING ACCOUNTING

DMKALG059E AUTOLOG FAILED FOR userid-{IPL MISSING|IPL FAILED|ACCOUNTING ERROR}
DMKALG115E AUTOLOG INVALID; EXCESSIVE INCORRECT PASSWORDS

DMKATS181E SHARED SYSTEM name REPLACED WITH NON-SHARED COPY

DMKBLD200E VIRT=REAL AREA NOT AVAILABLE; IN USE BY {userid|SYSTEM}
DMKBLD201E VIRT=REAL AREA NOT AVAILABLE; DAMAGED PAGES
DMKBLD202E VIRT=REAL AREA NOT AVAILABLE; INSUFFICIENT STORAGE

DMKBSC500I LINE 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC501A LINE 'addr' INT REQ
DMKBSC502I LINE 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC503I LINE 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC504I LINE 'addr' DATA CK CMD='cm' SNS='sense' CSW='CSW' USERID='userid'
DMKBSC505I LINE 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC516I LINE 'addr' BAD SENSE CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC517I LINE 'addr' NOT/KNOWN CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC520I LINE 'addr' CHAN ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC527I LINE 'addr' LOST DATA CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC528I LINE 'addr' TIMEOUT CMD='cm' SNS='sense' CSW='csw' USERID='userid'

DMKCCH601I CHANNEL CONTROL CHECK DEV  xxx; USER 'userid'
DMKCCH602I INTERFACE CONTROL CHECK DEV  xxx; USER 'userid'
DMKCCH603W CHANNEL ERROR; RUN SEREP, RESTART SYSTEM
DMKCCH605I CHANNEL CHECK RECORDING FAILURE

DMKCDB003E INVALID OPTION - option
DMKCDB004E INVALID HEXLOC - hexloc
DMKCDB009E INVALID RANGE - range
DMKCDB010E INVALID REGISTER - register
DMKCDB026E OPERAND MISSING OR INVALID
DMKCDB160E HEXLOC hexloc EXCEEDS STORAGE

DMKCDM003E INVALID OPTION - option
DMKCDM004E INVALID HEXLOC - hexloc
DMKCDM009E INVALID RANGE - range
DMKCDM033E HEXLOC MISSING OR INVALID
DMKCDM060E DUMP FAILED; VIRTUAL PRINTER UNAVAILABLE
DMKCDM061E DUMP FAILED; VIRTUAL PRINTER ERROR
DMKCDM160E HEXLOC hexloc EXCEEDS STORAGE

DMKCDS004E INVALID HEXLOC - operand
DMKCDS005E INVALID HEXDATA - hexdata
DMKCDS010E INVALID REGISTER - register
DMKCDS012E INVALID PSW - psw
DMKCDS026E OPERAND MISSING OR INVALID
DMKCDS033E HEXLOC MISSING OR INVALID
DMKCDS160E HEXLOC hexloc EXCEEDS STORAGE
DMKCDS161E SHARED PAGE hexloc ALTERED by userid
DMKCDS162E INVALID ECR x - hexdata
DMKCDS162W INVALID ECR x - hexdata
DMKCDS163E STORE EXCEEDS MAXIMUM REGISTER
```

```
DMKCDS164E HEXLOC hexloc NON-ADDRESSABLE STORAGE
DMKCDS166E CHANGED SHARED PAGE NOT WRITTEN TO AUXILIARY STORAGE


DMKCFC001E ?CP: command
DMKCFC002E INVALID OPERAND - operand
DMKCFC004E INVALID HEXLOC - hexloc
DMKCFC026E OPERAND MISSING OR INVALID


DMKCFD004E INVALID HEXLOC - hexloc
DMKCFD021E RADDR MISSING OR INVALID
DMKCFD022E VADDR MISSING OR INVALID
DMKCFD026E OPERAND MISSING OR INVALID
DMKCFD040E DEV addr DOES NOT EXIST
DMKCFD160E HEXLOC hexloc EXCEEDS STORAGE
DMKCFD164E HEXLOC hexloc NON-ADDRESSABLE STORAGE


DMKCFG002E INVALID OPERAND - operand
DMKCFG003E INVALID OPTION - option
DMKCFG013E CONFLICTING OPTION - option
DMKCFG022E VADDR MISSING OR INVALID
DMKCFG026E OPERAND MISSING OR INVALID
DMKCFG040E DEV addr DOES NOT EXIST
DMKCFG044E SYSTEM name DOES NOT EXIST
DMKCFG083E VMSAVE AREA DOES NOT CONTAIN A VALID SAVED SYSTEM
DMKCFG170E SYSTEM name EXCEEDS STORAGE
DMKCFG171E SYSTEM name VOLID volid NOT MOUNTED
DMKCFG172E SYSTEM name DASD vaddr INCOMPATIBLE SYSRES
DMKCFG173E SYSTEM name REQUIRES DASD vaddr
DMKCFG174E PAGING I/O ERROR; IPL FAILED
DMKCFG175E {FAVORED|RESERVE|NETWORK TRACE} ALREADY IN USE BY userid
DMKCFG175E {FAVORED|RESERVE|NETWORK TRACE|name} ALREADY IN USE BY userid
DMKCFG177E PARM EXCEEDS 64 CHARACTERS
DMKCFG179E SYSTEM name VOLID volid NOT CP OWNED
DMKCFG203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS


DMKCFH026E OPERAND MISSING OR INVALID
DMKCFH044E SYSTEM name DOES NOT EXIST
DMKCFH170E SYSTEM name EXCEEDS STORAGE
DMKCFH171E SYSTEM name VOLID volid NOT MOUNTED
DMKCFH172E SYSTEM name DASD vaddr INCOMPATIBLE SYSRES
DMKCFH173E SYSTEM name REQUIRES DASD vaddr
DMKCFH179E SYSTEM name VOLID volid NOT CP OWNED
DMKCFH300E SAVE REQUEST BEYOND VIRTUAL MACHINE SIZE
DMKCFH435E PAGING ERROR WRITING SAVED SYSTEM
DMKCFH436E INTERRUPT PENDING TO PROCEED, TYPE YES. TO END, TYPE NO


DMKCFO003E INVALID OPTION - option
DMKCFO006E INVALID DEVICE TYPE - addr
DMKCFO013E CONFLICTING OPTION - option
DMKCFO020E USERID MISSING OR INVALID
DMKCFO021E RADDR MISSING OR INVALID
DMKCFO026E OPERAND MISSING OR INVALID
DMKCFO040E DEV addr DOES NOT EXIST
DMKCFO041E LOGMSG nn DOES NOT EXIST
DMKCFO045E userid NOT LOGGED ON
DMKCFO046E type raddr OFFLINE
DMKCFO140E type raddr ATTACHED TO userid
DMKCFO143E type raddr IN USE BY SYSTEM
DMKCFO175E {FAVORED|RESERVE|NETWORK TRACE} ALREADY IN USE BY userid
DMKCFO175E {FAVORED|RESERVE|NETWORK TRACE|name} ALREADY IN USE BY userid
DMKCFO184E VM ASSIST NOT AVAILABLE [ON PROCESSOR proc addr]
DMKCFO186E CP ASSIST NOT AVAILABLE
DMKCFO188E SPECIFIED PROCESSOR UNAVAILABLE
DMKCFO250E 370E IS NOT AVAILABLE (ON PROC xx)
DMKCFO255W 370E FEATURE NOW DISABLED


DMKCFP046E type raddr OFFLINE
DMKCFP164E HEXLOC hexloc NON-ADDRESSABLE STORAGE
DMKCFP179E SYSTEM name VOLID volid NOT CP OWNED
DMKCFP435E PAGING ERROR WRITING SAVED SYSTEM


DMKCFS003E INVALID OPTION - option
DMKCFS006E INVALID DEVICE TYPE - addr
```

```
DMKCFS026E OPERAND MISSING OR INVALID
DMKCFS044E SYSTEM name DOES NOT EXIST
DMKCFS045E userid NOT LOGGED ON
DMKCFS046E DEV type raddr OFFLINE
DMKCFS052E ERROR IN CP DIRECTORY
DMKCFS053E userid NOT IN CP DIRECTORY
DMKCFS170E SYSTEM name EXCEEDS STORAGE
DMKCFS171E SYSTEM name VOLID volid NOT MOUNTED
DMKCFS175E {FAVORED|RESERVE|NETWORK TRACE} ALREADY IN USE BY userid
DMKCFS175E {FAVORED|RESERVE|NETWORK TRACE|name} ALREADY IN USE BY userid
DMKCFS179E SYSTEM name VOLID volid NOT CP OWNED
DMKCFS183E VM ASSIST NOT ACTIVE
DMKCFS184E VM ASSIST NOT AVAILABLE
DMKCFS187E TIMER ASSIST NOT AVAILABLE
DMKCFS188E SPECIFIED PROCESSOR UNAVAILABLE
DMKCFS189I AFFINITY NOT SET; SYSTEM IN UNIPROCESSOR MODE
DMKCFS190I NO AFFINITY SPECIFIED IN THE DIRECTORY
DMKCFS250E 370E IS NOT AVAILABLE (ON PROC xx)
DMKCFS251E 370E IS NOT ACTIVE


DMKCFT002E INVALID OPERAND - operand
DMKCFT006E INVALID DEVICE TYPE - addr
DMKCFT026E OPERAND MISSING OR INVALID


DMKCFV062E ECMODE NOT SET ON
DMKCFV063E SHADOW TABLE BYPASS; NOT SET
DMKCFV080E NO PREALLOCATED VMSAVE AREA
DMKCFV082E MORE THAN ONE VMSAVE AREA ALLOCATED; MUST SPECIFY AREA NAME


DMKCKP900W SYSTEM RECOVERY FAILURE; PROGRAM CHECK
DMKCKP901W SYSTEM RECOVERY FAILURE; MACHINE CHECK, RUN SEREP
DMKCKP902W SYSTEM RECOVERY FAILURE; FATAL I/O ERROR-{NUCL CYL|WARM CYL}
DMKCKP910W SYSTEM RECOVERY FAILURE: INVALID WARM START CYLINDER
DMKCKP911W SYSTEM RECOVERY FAILURE; WARM START AREA FULL
DMKCKP922W SYSTEM RECOVERY FAILURE; INVALID SPOOLING DATA
DMKCKP960I SYSTEM WARM START DATA SAVED
DMKCKP961W SYSTEM SHUTDOWN COMPLETE


DMKCKS400I SYSTEM CHECKPOINT AREA FULL
DMKCKS401I SYSTEM CHECKPOINT AREA 90 PERCENT FULL
DMKCKS903W SYSTEM RECOVERY FAILURE; VOLID 'volid' ALLOCATION ERROR CYLINDER 'cylinder'
DMKCKS912W SYSTEM RECOVERY FAILURE; VOLID 'volid' NOT MOUNTED
DMKCKS915E PERMANENT I/O ERROR ON CHECKPOINT CYLINDER
DMKCKS916E ERROR ALLOCATING SPOOL FILE BUFFERS
DMKCKS917E CHECKPOINT CYLINDER INVALID; CLEAR STORAGE AND COLD START
DMKCKS917E CHECKPOINT CYLINDER INVALID; CLEAR STORAGE AND COLD START


DMKCLK437E NO DASD SPACE AVAILABLE - IPL TERMINATED
DMKCLK970W TOD CLOCK SYNC CHECK RECEIVED


DMKCNS454I LINE raddr DISABLED
DMKCNS455I LINE 'addr' CC=3 NOT OPERATIONAL
DMKCNS500I CONS 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS501I CONS 'addr' INT REQ
DMKCNS502I CONS 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS503I CONS 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS504I CONS 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS505I CONS 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS527I CONS 'addr' LOST DATA CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS528I CONS 'addr' TIMEOUT CMD='cm' SNS='sense' CSW='csw' USERID='userid'


DMKCPB005E INVALID HEXDATA - hexdata
DMKCPB006E INVALID DEVICE TYPE - addr
DMKCPB012E INVALID PSW - psw
DMKCPB022E VADDR MISSING OR INVALID
DMKCPB026E OPERAND MISSING OR INVALID
DMKCPB040E DEV addr DOES NOT EXIST


DMKCPI131E INSUFFICIENT FREE STORAGE
DMKCPI185E CP ASSIST LEVEL xx DOES NOT MATCH CP LEVEL yy
DMKCPI913I CP OWNED VOLID xxxxxx INVALID FOR 3330V
DMKCPI950A AUTO LOGON FAILED; EXPLICIT LOGON REQUIRED
DMKCPI951I CP VOLID volid NOT MOUNTED
```

DMKCPI952I nnnnnK SYSTEM STORAGE
DMKCPI953I UNABLE TO ALLOCATE SYSTEM AUTO DUMP
DMKCPI954E DASD raddr VOLID volid NOT MOUNTED; DUPLICATE OF DASD raddr
DMKCPI955W INSUFFICIENT STORAGE FOR VM/370
DMKCPI957I STOR sssssK, NUC nnnK, DYN ddddddK, TRA tttK, FREE ffffK, V=R vvvvvK
DMKCPI958I ATTACHED PROCESSOR NOT OPERATIONAL
DMKCPI959W ATTACHED PROCESSOR NOT ONLINE
DMKCPI960I SYSTEM WARM START DATA SAVED
DMKCPI961W SYSTEM SHUTDOWN COMPLETE

DMKCPS003E INVALID OPTION - option
DMKCPS021E RADDR MISSING OR INVALID
DMKCPS026E OPERAND MISSING OR INVALID
DMKCPS040E DEV addr DOES NOT EXIST
DMKCPS049E LINE (addr) IN USE
DMKCPS123E DASD raddr CP OWNED
DMKCPS124E DASD raddr IN USE BY nnn USERS
DMKCPS140E type raddr ATTACHED TO userid
DMKCPS142E type raddr NOT DRAINED
DMKCPS143E type raddr IN USE BY SYSTEM
DMKCPS144W type vaddr RESET BY userid
DMKCPS192E VARY PROCESSOR COMMAND FAILED

DMKCPU021E RADDR MISSING OR INVALID
DMKCPU191E PROCESSOR nn DOES NOT EXIST
DMKCPU192E VARY PROCESSOR COMMAND FAILED
DMKCPU193I PROCESSOR nn ONLINE
DMKCPU194I PROCESSOR nn OFFLINE

DMKCPV003E INVALID OPTION - option
DMKCPV004E INVALID HEXLOC - hexloc
DMKCPV006E INVALID DEVICE TYPE - addr
DMKCPV007E INVALID USERID - userid
DMKCPV009E INVALID RANGE - range
DMKCPV020E USERID MISSING OR INVALID
DMKCPV021E RADDR MISSING OR INVALID
DMKCPV026E OPERAND MISSING OR INVALID
DMKCPV033E HEXLOC MISSING OR INVALID
DMKCPV040E DEV addr DOES NOT EXIST
DMKCPV045E userid NOT LOGGED ON
DMKCPV046E type raddr OFFLINE
DMKCPV140E type raddr ATTACHED TO userid
DMKCPV160E HEXLOC hexloc EXCEEDS STORAGE
DMKCPV165I PAGE hexloc NOT LOCKED; SHARED PAGE
DMKCPV176E VIRT=REAL AREA IN USE BY userid
DMKCPV202E VIRT=REAL AREA NOT AVAILABLE; INSUFFICIENT STORAGE
DMKCPV203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS
DMKCPV204E INVALID PAGE(S) SPECIFIED, V=R AREA

DMKCQG020E USERID MISSING OR INVALID
DMKCQG022E VADDR MISSING OR INVALID
DMKCQG027E SPOOLID MISSING OR INVALID
DMKCQG028E CLASS MISSING OR INVALID
DMKCQG040E DEV addr DOES NOT EXIST
DMKCQG042E SPOOLID nnnn DOES NOT EXIST
DMKCQG045E userid NOT LOGGED ON

DMKCQP003E INVALID OPTION - option
DMKCQP006E INVALID DEVICE TYPE - addr
DMKCQP020E USERID MISSING OR INVALID
DMKCQP021E RADDR MISSING OR INVALID
DMKCQP022E VADDR MISSING OR INVALID
DMKCQP040E DEV addr DOES NOT EXIST
DMKCQP045E userid NOT LOGGED ON
DMKCQP466I CTLR cuu IN BUFFER SLOWDOWN MODE

DMKCQR003E INVALID OPTION - option
DMKCQR020E USERID MISSING OR INVALID
DMKCQR026E OPERAND MISSING OR INVALID
DMKCQR028E CLASS MISSING OR INVALID
DMKCQR045E userid NOT LOGGED ON

DMKCQY020E USERID MISSING OR INVALID

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DMKCQY026E OPERAND MISSING OR INVALID
DMKCQY045E userid NOT LOGGED ON

DMKCSB003E INVALID OPTION - option
DMKCSB006E INVALID DEVICE TYPE - addr
DMKCSB013E CONFLICTING OPTION - option
DMKCSB021E RADDR MISSING OR INVALID
DMKCSB022E VADDR MISSING OR INVALID
DMKCSB026E OPERAND MISSING OR INVALID
DMKCSB028E CLASS MISSING OR INVALID
DMKCSB031E BUFFER MISSING OR INVALID
DMKCSB036E INDEX MISSING OR INVALID
DMKCSB040E DEV addr DOES NOT EXIST
DMKCSB043E BUFFER name DOES NOT EXIST
DMKCSB046E type raddr OFFLINE
DMKCSB140E type raddr ATTACHED TO userid
DMKCSB142E type raddr NOT DRAINED
DMKCSB148E type raddr BUFFER LOAD name FAILED

DMKCSO003E INVALID OPTION - option
DMKCSO006E INVALID DEVICE TYPE - addr
DMKCSO013E CONFLICTING OPTION - option
DMKCSO021E RADDR MISSING OR INVALID
DMKCSO028E CLASS MISSING OR INVALID
DMKCSO030E COPIES MISSING OR INVALID
DMKCSO040E DEV addr DOES NOT EXIST
DMKCSO046E type raddr OFFLINE
DMKCSO140E type raddr ATTACHED TO userid
DMKCSO141E type raddr NOT ACTIVE
DMKCSO243E FLASH MISSING OR INVALID
DMKCSO244E IMAGE LIBRARY MISSING OR INVALID
DMKCSO245E CHARS MISSING OR INVALID
DMKCSO246E FCB MISSING OR INVALID

DMKCSP003E INVALID OPTION - option
DMKCSP006E INVALID DEVICE TYPE - addr
DMKCSP007E INVALID USERID - userid
DMKCSP013E CONFLICTING OPTION - option
DMKCSP020E USERID MISSING OR INVALID
DMKCSP022E VADDR MISSING OR INVALID
DMKCSP026E OPERAND MISSING OR INVALID
DMKCSP028E CLASS MISSING OR INVALID
DMKCSP029E FNAME FTYPE MISSING OR INVALID
DMKCSP030E COPIES MISSING OR INVALID
DMKCSP032E DIST CODE MISSING OR INVALID
DMKCSP040E DEV addr DOES NOT EXIST
DMKCSP053E userid NOT IN CP DIRECTORY
DMKCSP243E FLASH MISSING OR INVALID
DMKCSP245E CHARS MISSING OR INVALID
DMKCSP246E FCB MISSING OR INVALID
DMKCSP253E MODIFY MISSING OR INVALID

DMKCST003E INVALID OPTION - option
DMKCST006E INVALID DEVICE TYPE - addr
DMKCST022E VADDR MISSING OR INVALID
DMKCST026E OPERAND MISSING OR INVALID
DMKCST027E SPOOLID MISSING OR INVALID
DMKCST040E DEV addr DOES NOT EXIST
DMKCST042E SPOOLID nnnn DOES NOT EXIST

DMKCSU003E INVALID OPTION - option
DMKCSU006E INVALID DEVICE TYPE - addr
DMKCSU007E INVALID USERID - userid
DMKCSU008E INVALID SPOOLID -spoolid
DMKCSU013E CONFLICTING OPTION - option
DMKCSU020E USERID MISSING OR INVALID
DMKCSU026E OPERAND MISSING OR INVALID
DMKCSU027E SPOOLID MISSING OR INVALID
DMKCSU028E CLASS MISSING OR INVALID
DMKCSU029E FNAME FTYPE MISSING OR INVALID
DMKCSU030E COPIES MISSING OR INVALID
DMKCSU032E DIST CODE MISSING OR INVALID
DMKCSU035E DEVICE TYPE MISSING OR INVALID
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DMKCSU042E SPOOLID nnnn DOES NOT EXIST
DMKCSU053E userid NOT IN CP DIRECTORY
DMKCSU243E FLASH MISSING OR INVALID
DMKCSU245E CHARS MISSING OR INVALID
DMKCSU246E FCB MISSING OR INVALID
DMKCSU253E MODIFY MISSING OR INVALID

DMKDAS500I DASD 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS501A DASD 'addr' INT REQ CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS502I DASD 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS503I DASD 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS504D DASD 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS504I DASD 'addr' DATA CK CMD='cm' SNS='sense' CSW='CSW' USERID= 'userid' BBCCHH='bbcchh'
DMKDAS505D DASD 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS505D DASD   'addr'   OVERRUN   CK   CMD='cm'   SNS='sense'   CSW='csw'   USERID='userid'
           [{BBCCHH='bbcchh'|BLOCK='nnnnn'}]
DMKDAS505I DASD 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' BBCCHH= 'bbcchh'
DMKDAS505I DASD   'addr'   OVERRUN   CK   CMD='cm'   SNS='sense'   CSW='csw'   USERID=   'userid'
           [{BBCCHH='bbcchh'|BLOCK='nnnnn'}]
DMKDAS506I DASD 'addr' TRKCOND CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS507D DASD 'addr' SEEK CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS508I DASD 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS509I DASD 'addr' TRKOVERUN CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS513I DASD 'addr' FILE PROT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS513I DASD   'addr'   FILE   PROT   CMD='cm'   SNS='sense'   CSW='csw'   USERID='userid'
           [{BBCCHH='bbcchh'|BLOCK='nnnnn'}]
DMKDAS514D DASD 'addr' ADDMRK CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS516I DASD 'addr' BAD SENSE CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS516I DASD   'addr'   BAD   SENSE   CMD='cm'   SNS='sense'   CSW='csw'   USERID='userid'
           [{BBCCHH='bbcchh'|BLOCK='nnnnn'}]
DMKDAS517E DASD 'addr' NOT/KNOWN CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS517E DASD   'addr'   NOT/KNOWN   CMD='cm'   SNS='sense'   CSW='csw'   USERID='userid'
           [{BBCCHH='bbcchh'|BLOCK='nnnnn'}]
DMKDAS518I DASD 'addr' RECV ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS518I DASD   'addr'   RECV   ERROR   CMD='cm'   SNS='sense'   CSW='csw'   USERID='userid'
           [{BBCCHH='bbcchh'|BLOCK='nnnnn'}]
DMKDAS520I DASD 'addr' CHAN ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS520I DASD   'addr'   CHAN   ERROR   CMD='cm'   SNS='sense'   CSW='csw'   USERID='userid'
           [{BBCCHH='bbcchh'|BLOCK='nnnnn'}]
DMKDAS956A DASD cuu VOLID volid NOT MOUNTED; NOW OFFLINE

DMKDAU530I DASD 'addr' CHECK DATA CMD='cm' SNS='sense' CSW='csw' USERID='userid' BLOCK='nnnnn'

DMKDDR700E INPUT UNIT IS NOT A CPVOL
DMKDDR701E INVALID OPERAND - operand
DMKDDR702E CONTROL STATEMENT SEQUENCE ERROR
DMKDDR703E OPERAND MISSING
DMKDDR704E DEV cuu NOT OPERATIONAL
DMKDDR705E IO ERROR cuu CSW csw SENSE sense INPUT bbcchh OUTPUT bbcchh CCW ccw
DMKDDR705E IO ERROR cuu CSW csw SENSE sense INPUT {bbcchh|nnnnn} OUTPUT bbcchh CCW ccw
DMKDDR707E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE
DMKDDR708E INVALID INPUT OR OUTPUT DEFINITION
DMKDDR709E WRONG INPUT TAPE MOUNTED
DMKDDR710A DEV cuu INTERVENTION REQUIRED
DMKDDR711R VOLID READ IS volid2 [NOT volid1] DO YOU WISH TO CONTINUE? RESPOND YES NO OR REREAD:
DMKDDR712E NUMBER OF EXTENTS EXCEEDS 20
DMKDDR713E OVERLAPPING OR INVALID EXTENTS
DMKDDR714E RECORD bbcchh NOT FOUND ON TAPE
DMKDDR715E LOCATION bbcchh IS A FLAGGED TRACK
DMKDDR716R NO VOL1 LABEL FOUND [FOR volser] DO YOU WISH TO CONTINUE? RESPOND YES OR NO OR REREAD:
DMKDDR717R DATA DUMPED FROM volid1 TO BE RESTORED TO volid2. DO YOU WISH TO CONTINUE? RESPOND YES
           NO OR REREAD:
DMKDDR718E OUTPUT UNIT IS FILE PROTECTED
DMKDDR719E INVALID FILE NAME OR FILE NOT FOUND
DMKDDR720E ERROR IN routine
DMKDDR721E RECORD cchhr NOT FOUND
DMKDDR721E RECORD {cchhr|nnnnn} NOT FOUND
DMKDDR722E OUTPUT UNIT NOT PROPERLY FORMATTED FOR THE CP NUCLEUS
DMKDDR723E NO VALID CP NUCLEUS ON THE INPUT UNIT
DMKDDR724E INPUT TAPE CONTAINS A CP NUCLEUS DUMP
DMKDDR725R ORIGINAL INPUT DEVICE WAS (IS) LARGER THAN OUTPUT DEVICE. DO YOU WISH TO CONTINUE?
           RESPOND YES OR NO:
DMKDDR726E MOVING DATA INTO THE ALTERNATE TRACK CYLINDER(S) IS PROHIBITED

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DMKDDR727E FLAGGED TRK xxxxxxxxx HAS NO PROPER ALTERNATE; SKIPPING THIS TRK
DMKDDR756E PROGRAM CHECK PSW = psw

DMKDEF003E INVALID OPTION - option
DMKDEF022E VADDR MISSING OR INVALID
DMKDEF024E {CYLS|BLKS} MISSING  OR INVALID
DMKDEF024E CYLS MISSING  OR INVALID
DMKDEF025E STORAGE MISSING OR INVALID
DMKDEF026E OPERAND MISSING OR INVALID
DMKDEF040E DEV addr DOES NOT EXIST
DMKDEF091E DASD vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE
DMKDEF094E STORAGE EXCEEDS ALLOWED MAXIMUM
DMKDEF095E DEV vaddr NOT DEFINED; INSUFFICIENT FREE STORAGE
DMKDEF136E DEV vaddr NOT DEFINED; CHAN x DEDICATED

DMKDIA006E INVALID DEVICE TYPE - addr
DMKDIA011E INVALID DEVICE TYPE - userid vaddr
DMKDIA020E USERID MISSING OR INVALID
DMKDIA022E VADDR MISSING OR INVALID
DMKDIA040E DEV addr DOES NOT EXIST
DMKDIA045E userid NOT LOGGED ON
DMKDIA047E userid vaddr DOES NOT EXIST
DMKDIA055E LINE(S) NOT AVAILABLE ON userid
DMKDIA056E LINE vaddr BUSY ON userid
DMKDIA098E DEV rid MODE SWITCH NOT POSSIBLE

DMKDIR751E INVALID OPERAND - xxxxxx
DMKDIR752E STATEMENT SEQUENCE ERROR FOLLOWING USER user
DMKDIR753E OPERAND MISSING
DMKDIR754E DEV cuu NOT OPERATIONAL
DMKDIR755E IO ERROR cuu CSW csw SENSE sense
DMKDIR756E PROGRAM CHECK PSW = psw
DMKDIR757E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE
DMKDIR758E DUPLICATE UNIT DEFINITION
DMKDIR760E NOT ENOUGH SPACE ALLOCATED FOR DIRECTORY
DMKDIR761E VOLID READ IS volid1 NOT volid2
DMKDIR762E DIRECTORY STATEMENT MISSING
DMKDIR763E INVALID FILENAME OR FILE NOT FOUND
DMKDIR764E ERROR IN routine

DMKDMP905W SYSTEM DUMP FAILURE; PROGRAM CHECK
DMKDMP906W SYSTEM DUMP FAILURE; MACHINE CHECK, RUN SEREP
DMKDMP907W SYSTEM DUMP FAILURE; FATAL I/O ERROR
DMKDMP908I SYSTEM FAILURE; CODE - code
DMKDMP909W SYSTEM DUMP DEVICE NOT-READY

DMKDSB956A DASD cuu VOLID volid NOT MOUNTED; NOW OFFLINE

DMKDSP450W CP ENTERED; DISABLED WAIT PSW 'psw'
DMKDSP452W CP ENTERED; EXTERNAL INTERRUPT LOOP

DMKFMT730E DEV cuu NOT OPERATIONAL OR NOT READY
DMKFMT732E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE
DMKFMT733E VOLID READ IS volid1 NOT volid2
DMKFMT734E TYPE OR CYL INVALID
DMKFMT734E TYPE OR {CYL|PAG} INVALID
DMKFMT735E FATAL DASD IO ERROR
DMKFMT736E IO ERROR cuu CCHHR = cchhr SENSE = sense
DMKFMT736E IO ERROR cuu {CCHHR = cchhr|BLOCK = nnnnn} SENSE = sense
DMKFMT737E INVALID OPERAND
DMKFMT738A DEV cuu INTERVENTION REQUIRED
DMKFMT739E FLAGGED PRIMARY TRACK HAS NO ALTERNATE ASSIGNED;IO ERROR FOLLOWS
DMKFMT740E PACK MOUNTED IS 3340-35, NOT 3340-70. MOUNT ANOTHER OR RESPECIFY
DMKFMT756E PROGRAM CHECK PSW = psw

DMKGRF500I GRAF 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw'
DMKGRF502I GRAF 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw'
DMKGRF503I GRAF 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw'
DMKGRF504I GRAF 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw'
DMKGRF521I GRAF 'addr' NO DEVICE CMD='cm' SNS='sense' CSW='csw'
DMKGRF525I GRAF 'addr' FORMAT CK CMD='cm' SNS='sense' CSW='csw'
DMKGRF529I GRAF 'addr' PARITY CK CMD='cm' SNS='sense' CSW='csw'
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DMKIOF550E ERROR RECORDING AREA 90 PERCENT FULL; RUN CPEREP
DMKIOG551E ERROR RECORDING AREA FULL; RUN CPEREP.
DMKIOG552I FORMATTING ERROR RECORDING AREA
DMKIOG553I ERROR RECORDING AREA CLEARED; USER 'userid'
DMKIOG558I FATAL I/O ERROR; ERROR RECORDING DISABLED
DMKIOG559W SRF NOT AVAILABLE
DMKIOG560W SRF ERRORS; FRAMES NOT ON ERROR CYLINDERS
DMKIOG561W MORE THAN 50 MCH OR CCH FRAMES WERE READ FROM THE SRF

DMKJRL145I USERID: userid AT term-raddr WITH INVALID PASSWORD NO.xxx (pswd) VIOLATED THE LIMIT OF
           yyy, A=auserid

DMKLNK020E USERID MISSING OR INVALID
DMKLNK022E VADDR MISSING OR INVALID
DMKLNK052E ERROR IN CP DIRECTORY
DMKLNK053E userid NOT IN CP DIRECTORY
DMKLNK101W DASD vaddr FORCED R/O; R/O BY {nnn USERS|userid}
DMKLNK102W DASD vaddr FORCED R/O; R/W BY {nnn USERS|userid}
DMKLNK103W DASD vaddr FORCED R/O; R/W BY {nnn USERS|userid}; R/O BY {nnn USERS|userid}
DMKLNK104E userid vaddr NOT LINKED; R/O BY {nnn USERS|userid}
DMKLNK105E userid vaddr NOT LINKED; R/W BY {nnn USERS|userid}
DMKLNK106E userid vaddr NOT LINKED; R/W BY nnn USERS; R/O BY {nnn USERS|userid}
DMKLNK107E userid vaddr NOT LINKED; NOT IN CP DIRECTORY
DMKLNK108E userid vaddr NOT LINKED; VOLID volid NOT MOUNTED
DMKLNK109E userid vaddr NOT LINKED; INVALID LINK DEVICE
DMKLNK110E userid vaddr NOT LINKED; type vaddr ALREADY DEFINED
DMKLNK111E userid vaddr NOT LINKED; NO READ PASSWORD
DMKLNK112E userid vaddr NOT LINKED; NO WRITE PASSWORD
DMKLNK113E userid vaddr NOT LINKED; NO MULT PASSWORD
DMKLNK114E userid vaddr NOT LINKED; PASSWORD INCORRECT
DMKLNK115E LINK INVALID; EXCESSIVE INCORRECT PASSWORDS
DMKLNK116E USERID xxx NOT LINKED; CP DIRECTORY IN USE
DMKLNK117E USERID userid NOT LINKED; VOLID volid CONFLICT
DMKLNK118E userid vaddr NOT LINKED; COMMAND FORMAT NOT VALID
DMKLNK119E USERID vaddr NOT LINKED; INSUFFICIENT FREE STORAGE
DMKLNK137E DASD vaddr NOT LINKED; CHAN x DEDICATED
DMKLNK139E DASD addr NOT LINKED; 3330V NOT ACCEPTED AS SYSTEM VOLUME

DMKLOG003E INVALID OPTION - option
DMKLOG020E USERID MISSING OR INVALID
DMKLOG050E PASSWORD INCORRECT
DMKLOG051E MAXIMUM USERS EXCEEDED
DMKLOG052E ERROR IN CP DIRECTORY
DMKLOG053E userid NOT IN CP DIRECTORY
DMKLOG054E ALREADY LOGGED ON {LINE|GRAF} raddr
DMKLOG067E COMMAND FORMAT NOT VALID
DMKLOG080E NO PREALLOCATED VMSAVE AREA
DMKLOG081W VMSAVE AREA CONTAINS A SAVED SYSTEM, MUST USE SET COMMAND
DMKLOG082E MORE THAN ONE VMSAVE AREA ALLOCATED, MUST SPECIFY AREA NAME
DMKLOG090E DEV vaddr NOT DEFINED; DEV {raddr|volser} NOT AVAILABLE
DMKLOG091E DASD vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE
DMKLOG092E DEV vaddr NOT DEFINED; type vaddr ALREADY DEFINED
DMKLOG093E DEV vaddr NOT DEFINED; ERROR IN CP DIRECTORY
DMKLOG095E DEV vaddr NOT DEFINED; INSUFFICIENT FREE STORAGE
DMKLOG131E INSUFFICIENT FREE STORAGE
DMKLOG188E SPECIFIED PROCESSOR UNAVAILABLE
DMKLOG189I AFFINITY NOT SET; SYSTEM IN UNIPROCESSOR MODE
DMKLOG250E 370E IS NOT AVAILABLE (ON PROC xx)
DMKLOG251E 370E IS NOT ACTIVE

DMKMCC002E INVALID OPERAND - operand
DMKMCC003E INVALID OPTION - option
DMKMCC006E INVALID DEVICE TYPE - addr
DMKMCC021E RADDR MISSING OR INVALID
DMKMCC026E OPERAND MISSING OR INVALID
DMKMCC040E DEV addr DOES NOT EXIST
DMKMCC046E type raddr OFFLINE
DMKMCC140E type raddr ATTACHED TO userid
DMKMCC143E type raddr IN USE BY SYSTEM
DMKMCC211E MONITOR TAPE IS ALREADY ACTIVE
DMKMCC213E MONITOR CPTRACE IS ALREADY ACTIVE
DMKMCC215E MONITOR ACTIVE; DASTAP CANNOT BE ENABLED DYNAMICALLY
DMKMCC216E SYSPROF CLASS REQUIRES SCHEDULE AND DASTAP

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DMKMCC217E MONITOR TAPE NOT STARTED, NO CLASS ENABLED

DMKMCD002E INVALID OPERAND - operand
DMKMCD021E RADDR MISSING OR INVALID
DMKMCD026E OPERAND MISSING OR INVALID
DMKMCD040E DEV addr DOES NOT EXIST
DMKMCD212E MINITOR TAPE IS NOT ACTIVE
DMKMCD214E MONTIOR CPTRACE IS NOT ACTIVE
DMKMCD218E MONITOR NOT STOPPED, OUTSTANDING TAPE I/O
DMKMCD222E TIME PARAMETER SPECIFIES INVALID TIME
DMKMCD223E START TIME MUST PRECEDE STOP TIME
DMKMCD224E LIMIT MUST BE BETWEEN 10 and 50000
DMKMCD226E FOR VALUE MIDNIGHT - COMMAND INVALID
DMKMCD227E FOR OPTION INVALID WITH AUTODISK OFF
DMKMCD228E FOR OPTION INVALID WITH MONITOR ON

DMKMCH003E INVALID OPTION - option
DMKMCH026E OPERAND MISSING OR INVALID
DMKMCH610W MACHINE CHECK SUPERVISOR DAMAGE cpuid
DMKMCH611W MACHINE CHECK SYSTEM INTEGRITY LOST cpuid
DMKMCH612W MACHINE CHECK TIMING FACILITIES DAMAGE; RUN SEREP cpuid
DMKMCH613I SOFT MACHINE CHECK RECORDING DISABLED cpuid
DMKMCH614I MACHINE CHECK; DAMAGED PAGE NOW DELETED cpuid
DMKMCH615I MACHINE CHECK RECORDING FAILURE cpuid
DMKMCH616I MACHINE CHECK; USER userid TERMINATED cpuid
DMKMCH617I MACHINE CHECK; BUFFER OR DLAT DAMAGE cpuid
DMKMCH618I {INSTRUCTION RETRY|MAIN STORAGE} NOW IN {RECORD|QUIET} MODE cpuid
DMKMCH619I MACHINE CHECK; OPERATION TERMINATED cpuid
DMKMCH622W MACHINE CHECK; MULTIPLE CHANNEL ERRORS

DMKMCT610W MACHINE CHECK; SUPERVISOR DAMAGE cpuid
DMKMCT611W MACHINE CHECK; SYSTEM INTEGRITY LOST cpuid
DMKMCT612W MACHINE CHECK; TIMING FACILITIES DAMAGE cpuid
DMKMCT616I MACHINE CHECK; USER userid TERMINATED cpuid
DMKMCT619I MACHINE CHECK; OPERATION TERMINATED cpuid
DMKMCT620I MACHINE CHECK; ATTACHED PROCESSOR NOT BEING USED cpuid
DMKMCT621I MACHINE CHECK; AFFINITY SET OFF cpuid

DMKMIA229E MONITOR OUT OF DASD PAGES, IS SHUTTING OFF

DMKMID310E DATE date INVALID; NOT CHANGED

DMKMNI002E INVALID OPERAND - operand
DMKMNI225E INVALID MONITOR USERID SPECIFIED, MON NOT STARTED

DMKMON219I END OF MONITOR TAPE, MONITOR STOPPED BY SYSTEM
DMKMON220I ERROR ON MONITOR TAPE, MONITOR STOPPED BY SYSTEM

DMKMSG003E INVALID OPTION - option
DMKMSG020I USERID MISSING OR INVALID
DMKMSG045E userid NOT LOGGED ON
DMKMSG057W userid NOT RECEIVING; {DISCONNECTED|MSG OFF|SMSG OFF|NOT AUTHORIZED|WNG OFF}

DMKNES002E INVALID OPERAND - operand
DMKNES004E INVALID HEXLOC - hexloc
DMKNES006E INVALID DEVICE TYPE - addr
DMKNES009E INVALID RANGE - range
DMKNES021E RADDR MISSING OR INVALID
DMKNES026E OPERAND MISSING OR INVALID
DMKNES040E DEV addr DOES NOT EXIST
DMKNES046E {DEV rid|type raddr} OFFLINE
DMKNES049E LINE addr IN USE
DMKNES098E DEV rid MODE SWITCH NOT POSSIBLE
DMKNES140E CTLR raddr ATTACHED TO userid
DMKNES160E HEXLOC hexloc EXCEEDS STORAGE
DMKNES175E NETWORK TRACE ALREADY IN USE BY userid
DMKNES706E LINE addr NOT ENABLED

DMKNET002E INVALID OPERAND - operand
DMKNET003E INVALID OPTION - option
DMKNET004E INVALID HEXLOC - hexloc
DMKNET006E INVALID DEVICE TYPE - addr
DMKNET009E INVALID RANGE - range
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DMK

DMKNET021E RADDR MISSING OR INVALID
DMKNET026E OPERAND MISSING OR INVALID
DMKNET033E HEXLOC MISSING OR INVALID
DMKNET040E DEV addr DOES NOT EXIST
DMKNET046E {DEV rid|type raddr} OFFLINE
DMKNET049E LINE addr IN USE
DMKNET098E DEV rid MODE SWITCH NOT POSSIBLE
DMKNET140E type raddr ATTACHED TO userid
DMKNET160E HEXLOC hexloc EXCEEDS STORAGE

DMKNLD002E INVALID OPERAND - operand
DMKNLD006E INVALID DEVICE TYPE - addr
DMKNLD021E RADDR MISSING OR INVALID
DMKNLD026E OPERAND MISSING OR INVALID
DMKNLD040E DEV addr DOES NOT EXIST
DMKNLD044E SYSTEM name DOES NOT EXIST
DMKNLD046E type raddr OFFLINE
DMKNLD140E CTLR raddr ATTACHED TO userid
DMKNLD143E CTLR raddr IN USE BY SYSTEM
DMKNLD170E SYSTEM name EXCEEDS STORAGE
DMKNLD171E SYSTEM name VOLID volid NOT MOUNTED
DMKNLD460E CTLR raddr LOAD FAILED: PROGRAM CHECK
DMKNLD461R CTLR raddr IPL NOT REQUIRED; ENTER 'YES' TO CONTINUE
DMKNLD470E CTLR raddr LOAD FAILED: PAGING I/O ERROR
DMKNLD471E CTLR raddr LOAD FAILED: UNRECOVERABLE I/O ERROR

DMKNLE003E INVALID OPTION - option
DMKNLE006E INVALID DEVICE TYPE - addr
DMKNLE021E RADDR MISSING OR INVALID
DMKNLE040E DEV addr DOES NOT EXIST
DMKNLE046E type raddr OFFLINE
DMKNLE140E CTLR raddr ATTACHED TO userid
DMKNLE143E CTLR raddr IN USE BY SYSTEM
DMKNLE460E CTLR raddr DUMP FAILED: PROGRAM CHECK
DMKNLE461R CTLR raddr IPL NOT REQUIRED; ENTER "YES" TO CONTINUE
DMKNLE464I CTLR raddr CC=3; DEPRESS 370x "LOAD" BUTTON
DMKNLE469E CTLR raddr DUMP FAILED: TEMP SPACE NOT AVAILABLE
DMKNLE470E CTLR raddr DUMP FAILED: PAGING I/O ERROR
DMKNLE471E CTLR raddr DUMP FAILED: UNRECOVERABLE I/O ERROR

DMKNMT247I 3800 NAMED SYSTEM imag3800 CREATED
DMKNMT248E SPECIFIED IMAGE imag NON-EXISTENT
DMKNMT249E ERROR LOADING IMAG imag
DMKNMT254E ERROR SAVING imag3800 - RC = (rc)
DMKNMT256E INSUFFICIENT VIRTUAL STORAGE
DMKNMT257E RESIDUAL BYTE COUNT = nnnnnnnn (HEX)

DMKPAG415E CONTINUOUS PAGING ERRORS FROM DASD xxx

DMKPGT400I SYSTEM TEMP SPACE FULL
DMKPGT401I SYSTEM TEMP SPACE 90 PERCENT FULL

DMKPRG453W CP ENTERED; PROGRAM INTERRUPT LOOP

DMKPTR410W CP ENTERED; PAGING ERROR

DMKQVM020E USERID MISSING OR INVALID
DMKQVM800E COMMAND REJECTED, OTHER VIRTUAL MACHINES LOGGED ON
DMKQVM801E FREE STORAGE PAGE IS NOT AVAILABLE
DMKQVM802E COMMAND REJECTED, DEVICES NOT DEDICATED
DMKQVM803E COMMAND REJECTED, SPOOL DEVICES NOT DRAINED
DMKQVM806E COMMAND REJECTED, VIRTUAL ADDRESS NOT EQUAL TO REAL ADDRESS
DMKQVM807E COMMAND REJECTED, VM/370 ATTACHED PROCESSOR MODE
DMKQVM809E COMMAND REJECTED, TRACE/ADSTOP IN EFFECT

DMKRGA454I LINE addr DISABLED
DMKRGA455I LINE 'addr' CC=3 NOT OPERATIONAL
DMKRGA705I I/O ERROR RESID=resource id STATUS=status LINE=addr

DMKRND850I UNABLE TO READ DUMP FROM READER
DMKRND851I TEN DUMP FILES ALREADY EXIST
DMKRND852I FATAL I/O ERROR WRITING DUMP
DMKRND853I NO DUMP FILES EXIST

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DMKRND860I FATAL I/O ERROR READING DUMP
DMKRND861E DUMP FILE filename NOT FOUND
DMKRND863E INVALID PARAMETER - parameter

DMKRNH454I DEV rid DISABLED
DMKRNH462I CTLR raddr UNIT CHECK; IPL REQUIRED
DMKRNH463I CTLR 'raddr' UNIT CHECK; RESTART IN PROGRESS
DMKRNH464I CTLR raddr CC=3; DEPRESS 370X "LOAD" BUTTON
DMKRNH465I LINE TRACE TERMINATED DUE TO ERROR
DMKRNH468I CTLR raddr COMMUNICATIONS SCANNER FAILURE

DMKRSE240E PRT cuu, FCB-FORMS MISMATCH, FILEID nnnn {HELD|PURGED}
DMKRSE241E PRT cuu, INVALID LOAD MODULE mmmm SPECIFIED, FILE nnnn {HELD|PURGED}
DMKRSE242E PRT cuu (3800) INTERVENTION RECQD, STATUS CODE cc
DMKRSE252I PRT cuu, FILE nnnn REQUEUED AND HELD
DMKRSE255I PRT cuu, PAGE BUFFER DESTROYED, BACKUP PAGE COUNT = nnnn
DMKRSE500I {RDR|PRT|PUN} 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKRSE501A {RDR|PRT|PUN} 'addr' INT REQ
DMKRSE501I {RDR|PRT|PUN} 'addr' INT REQ CMD='cm' SNS='sense'
DMKRSE502I {RDR|PRT|PUN} 'addr' BUSOUT CK CMD='cm' SNS='sense'
DMKRSE503A {RDR|PRT|PUN} 'addr' EQUIP CK CMD='cm' SNS='sense'
DMKRSE503I {RDR|PRT|PUN} 'addr' EQUIP CK CMD='cm' SNS='sense'
DMKRSE504A {RDR|PRT} 'addr' DATA CK CMD='cm' SNS='sense'
DMKRSE504I {RDR|PRT|PUN} 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw'
DMKRSE505A RDR 'addr' OVERRUN CK CMD='cm' SNS='sense'
DMKRSE508I {RDR|PRT|PUN} 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKRSE520A {RDR|PRT|PUN} 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKRSE520I {RDR|PRT|PUN} 'addr' CHAN ERROR CMD='cm' SNS='sense'
DMKRSE521I {RDR|PRT|PUN} 'addr' NO DEVICE CMD='cm' SNS='sense'
DMKRSE524I {RDR|PRT|PUN} 'addr' LOAD CHECK CMD='cm' SNS='sense'
DMKRSE525I {RDR|PRT|PUN} 'addr' FORMAT CK CMD='cm' SNS='sense'
DMKRSE529I {RDR|PRT|PUN} 'addr' PARITY CK CMD='cm' SNS='sense'

DMKRSP426E RDR raddr SPOOL SPACE FULL; FILE PURGED
DMKRSP428E PRT raddr SPOOL ERROR; FILE HELD
DMKRSP428E PUN raddr SPOOL ERROR; FILE HELD
DMKRSP428E RDR raddr SPOOL ERROR; FILE PURGED
DMKRSP430A TYPE raddr FATAL I/O ERROR; NOW OFFLINE, FILE HELD
DMKRSP431A RDR raddr ID CARD MISSING OR INVALID
DMKRSP432A RDR raddr ID CARD; 'userid' NOT IN CP DIRECTORY
DMKRSP433A RDR raddr ID CARD; INVALID DATA - 'data'
DMKRSP434A RDR raddr FATAL I/O ERROR; FILE PURGED

DMKSAV350W DASD raddr SYSRES VOLID NOT aaaaaa
DMKSAV351W DASD raddr SYSRES NOT READY
DMKSAV352W FATAL DASD I/O ERROR
DMKSAV353W SYSRES DEVICE TYPE INVALID

DMKSNC044E SYSTEM name DOES NOT EXIST
DMKSNC171E SYSTEM name VOLID volid NOT MOUNTED
DMKSNC178E SYSTEM name EXCEEDS AVAILABLE DASD SPACE
DMKSNC179E SYSTEM name VOLID volid NOT CP OWNED
DMKSNC435E PAGING ERROR WRITING SAVED SYSTEM

DMKSPM026E OPERAND MISSING OR INVALID
DMKSPM804E SINGLE PROCESSOR MODE ON REJECTED
DMKSPM805E SINGLE PROCESSOR MODE OFF REJECTED
DMKSPM808I SINGLE PROCESSOR MODE ACTIVE

DMKSPS026E OPERAND MISSING OR INVALID
DMKSPS026E OPERAND MISSING OR INVALID
DMKSPS028E CLASS MISSING OR INVALID
DMKSPS028E CLASS MISSING OR INVALID
DMKSPS037E TAPE raddr INVALID FOR STORAGE COMMAND
DMKSPS037E TAPE raddr INVALID FOR STORAGE COMMAND
DMKSPS426E {RDR|TAPE} raddr SPOOL SPACE FULL; FILE PURGED
DMKSPS428E {PRT|PUN|RDR} raddr SPOOL ERROR; FILE {HELD|PURGED}
DMKSPS428E {PRT|PUN|RDR|TAPE} raddr SPOOL ERROR; FILE {HELD|PURGED}

DMKSPT002E INVALID OPERAND - operand
DMKSPT003E INVALID OPTION - option
DMKSPT006E INVALID DEVICE TYPE - addr
DMKSPT008E INVALID SPOOLID - spoolid
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DMK

DMKSPT021E RADDR MISSING OR INVALID
DMKSPT040E DEV addr DOES NOT EXIST
DMKSPT046E {DEV rid|type raddr} OFFLINE
DMKSPT140E type raddr ATTACHED TO userid
DMKSPT143E type raddr IN USE BY SYSTEM

DMKSSS070E DEVICE NOT AVAILABLE - MSS DEVICES ALLOCATED
DMKSSS071E DEVICE NOT AVAILABLE - MSS CANNOT BE ACCESSED
DMKSSS072E DEVICE NOT AVAILABLE - 'raddr' NOT PROPER TYPE
DMKSSS074E MISSING INTERRUPT - DEVICE 'raddr'
DMKSSS075E DEVICE 'raddr' IS NOT AVAILABLE
DMKSSS088I MSS MOUNT PROCEEDING FOR VOLUME 'volid'

DMKTAP500I TAPE 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP501A TAPE 'addr' INT REQ
DMKTAP502I TAPE 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP503I TAPE 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP504D TAPE 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP505D TAPE 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP510I TAPE 'addr' CONVERT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP511I TAPE 'addr' COMPAT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid
DMKTAP512I TAPE 'addr' LOAD POINT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP513I TAPE 'addr' FILE PROT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP516I TAPE 'addr' BAD SENSE CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP517I TAPE 'addr' NOT/KNOWN CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP518I TAPE 'addr' RECV ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP519I TAPE 'addr' PE BURST CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP520I TAPE 'addr' CHAN ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP521I TAPE 'addr' NO DEVICE CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP522I TAPE 'addr' ERASE CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP523I TAPE 'addr' CONTROL CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP526I TAPE 'addr' DSE FAILED CMD='cm' SNS='sense' CSW='csw' USERID='userid'

DMKTCS240E PRT cuu, FCB-FORMS MISMATCH, FILEID nnnn {HELD|PURGED}
DMKTCS241E PRT cuu, INVALID LOAD MODULE mmm SPECIFIED, FILE nnnn {HELD|PURGED}

DMKTHI002E INVALID OPERAND - operand
DMKTHI003E INVALID OPTION - option
DMKTHI026E OPERAND MISSING OR INVALID
DMKTHI045E userid NOT LOGGED ON

DMKTRA002E INVALID OPERAND - operand
DMKTRA003E INVALID OPTION - option
DMKTRA013E CONFLICTING OPTION - option
DMKTRA026E OPERAND MISSING OR INVALID
DMKTRA180W TRACE NOT IN EFFECT
DMKTRA182E (reserved for IBM use)

DMKUDR475I FATAL IO ERROR TRYING TO READ DIRECTORY

DMKUSO003E INVALID OPTION - option
DMKUSO020E USERID MISSING OR INVALID
DMKUSO045E userid NOT LOGGED ON

DMKVAT064E SHADOW TABLE BYPASS; RESET

DMKVCH034E CHANNEL MISSING OR INVALID
DMKVCH048E CHANNEL x DOES NOT EXIST
DMKVCH129E CHANNEL x DEVICES IN USE
DMKVCH130E CHANNEL x NOT ATTACHED TO userid
DMKVCH132E CHANNEL x ALREADY DEFINED BY userid
DMKVCH138E CHANNEL x NOT ATTACHED; INSUFFICIENT FREE STORAGE

DMKVDA003E INVALID OPTION - option
DMKVDA006E INVALID DEVICE TYPE - addr
DMKVDA020E USERID MISSING OR INVALID
DMKVDA021E RADDR MISSING OR INVALID raddr
DMKVDA022E VADDR MISSING OR INVALID vaddr
DMKVDA023E VOLID MISSING OR INVALID
DMKVDA034E CHANNEL MISSING OR INVALID
DMKVDA040E DEV addr DOES NOT EXIST
DMKVDA045E userid NOT LOGGED ON
DMKVDA046E type raddr OFFLINE

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DMKVDA076E THE 'volid' PARAMETER IS INVALID
DMKVDA077E INVALID REQUEST FOR DEVICE 'nnn'
DMKVDA086E THE 'volid' PARAMETER IS INVALID
DMKVDA120E type raddr NOT ATTACHED; userid vaddr ALREADY DEFINED
DMKVDA121E type raddr NOT ATTACHED TO userid
DMKVDA122E type raddr ALREADY ATTACHED TO userid
DMKVDA123E DASD raddr CP OWNED
DMKVDA124E DASD raddr IN USE BY nnn USERS
DMKVDA125E DASD raddr VOLID volid ALREADY ATTACHED TO SYSTEM
DMKVDA126E DASD raddr ERROR READING VOLID
DMKVDA127E DASD raddr VOLID volid DOES NOT MATCH
DMKVDA128E DASD raddr ERROR READING ALLOCATION RECORD
DMKVDA131E INSUFFICIENT FREE STORAGE AVAILABLE FOR ATTACH REQUEST
DMKVDA133E DASD raddr NOT READY
DMKVDA134E TYPE vaddr NOT ATTACHED; CHAN x DEDICATED
DMKVDA135E TYPE vaddr NOT DETACHED; CHAN x DEDICATED
DMKVDA139E DASD raddr NOT ATTACHED; 3330V NOT ACCEPTED AS SYSTEM VOLUME
DMKVDA140E type raddr ATTACHED TO userid
DMKVDA142E PRT cuu NOT DRAINED
DMKVDA143E type raddr IN USE BY SYSTEM

DMKVDD006E INVALID DEVICE TYPE - addr
DMKVDD020E USERID MISSING OR INVALID
DMKVDD021E RADDR MISSING OR INVALID raddr
DMKVDD022E VADDR MISSING OR INVALID vaddr
DMKVDD040E DEV addr DOES NOT EXIST
DMKVDD045E userid NOT LOGGED ON
DMKVDD046E type raddr OFFLINE
DMKVDD121E type raddr NOT ATTACHED to userid
DMKVDD123E DASD raddr CP OWNED
DMKVDD124E DASD raddr IN USE BY nnn USERS
DMKVDD134E CHANNEL MISSING OR INVALID
DMKVDD135E TYPE vaddr NOT DETACHED; CHAN x DEDICATED
DMKVDD140E type raddr ATTACHED TO userid
DMKVDD142E TYPE raddr NOT DRAINED
DMKVDD143E TYPE raddr IN USE BY SYSTEM

DMKVDS465E CTLR raddr EMULATOR LINES IN USE BY SYSTEM

DMKVER575I I/O ERROR ADD=raddr, USERID= userid

DMKVMA161E SHARED PAGE hexloc ALTERED BY userid
DMKVMA456W CP ENTERED; name SHARED PAGE hexloc ALTERED

DMKVMI022E VADDR MISSING OR INVALID
DMKVMI230E IPL SIO ERROR
DMKVMI231E IPL TIO ERROR
DMKVMI232E IPL UNIT ERROR; CSW csw SNS sense
DMKVMI233E IPL OVERLAY ERROR
DMKVMI234E IPL SENSE ERROR

DMKVSP427I {CON|PRT|PUN} vaddr SYSTEM SPOOL SPACE FULL; FILE CLOSED
DMKVSP429I {CON|PRT|PUN} vaddr SPOOL ERROR; FILE PURGED
DMKVSP429I RDR vaddr SPOOL ERROR; FILE HELD

DMKWRM904W SYSTEM RECOVERY FAILURE; INVALID WARM START DATA
DMKWRM912W SYSTEM RECOVERY FAILURE; VOLID 'volid' NOT MOUNTED
DMKWRM920I NO WARM START DATA; CKPT START FOR RETRY
DMKWRM921W SYSTEM RECOVERY FAILURE; UNRECOVERABLE I/O ERROR
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CMS Message Summary

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DMSABN148T SYSTEM ABEND xxx CALLED FROM 'addr'
DMSABN149T nnn (HEX xxx) DOUBLEWORDS OF SYSTEM STORAGE HAVE BEEN DESTROYED. RE-IPL CMS
DMSABN150W nnn (HEX xxx) DOUBLEWORDS OF SYSTEM STORAGE WERE NOT RECOVERED
DMSABN152T SYSTEM ABEND xxx CALLED FROM addr WHILE 'UFDBUSY' = xx. RE-IPL CMS
DMSABN153W 'HX' DURING ABEND PROCESSING WAS IGNORED
DMSABN155T USER ABEND nnnn CALLED FROM addr

DMSACC002E FILE 'DMSROS TEXT' NOT FOUND
DMSACC003E INVALID OPTION 'option'
DMSACC017E INVALID DEVICE ADDRESS 'cuu'
DMSACC048E INVALID MODE 'mode'
DMSACC059E 'cuu' ALREADY ACCESSED AS READ/WRITE 'mode' DISK
DMSACC060E FILE(S) 'fn [ft [fm]]' NOT FOUND. DISK 'mode(cuu)' WILL NOT BE ACCESSED
DMSACC109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSACC112S DISK 'mode(cuu)' DEVICE ERROR
DMSACC113S mode (cuu) NOT ATTACHED
DMSACC230W OS DISK - FILEID AND/OR OPTIONS SPECIFIED ARE IGNORED
DMSACC240S ERROR LOADING READ OS ROUTINE 'DMSROS TEXT'
DMSACC723I mode (cuu) {R/O|R/W} [-OS|-DOS]
DMSACC724I cuu REPLACES mode (ccu)
DMSACC725I cuu ALSO = 'mode' [-OS|-DOS] DISK
DMSACC726I 'cuu mode' RELEASED

DMSAMS001E NO FILENAME SPECIFIED
DMSAMS002E FILE 'fname1 AMSERV' NOT FOUND
DMSAMS003E INVALID OPTION 'option'
DMSAMS006E NO READ/WRITE DISK ACCESSED FOR 'fname2 LISTING'
DMSAMS007E FILE 'fname1 AMSERV fm' NOT FIXED 80-CHAR. RECORDS
DMSAMS065E 'option' OPTION SPECIFIED TWICE
DMSAMS066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSAMS070E INVALID PARAMETER 'parameter'
DMSAMS109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSAMS113S {TAPIN|TAPOUT} (addr) NOT ATTACHED
DMSAMS136S UNABLE TO LOAD 'IDCMAS'.
DMSAMS228E NO DDNAME ENTERED
DMSAMS367R ENTER TAPE {INPUT|OUTPUT} DDNAMES:
DMSAMS722I FILE 'fname2 LISTING fm' WILL HOLD AMSERV OUTPUT

DMSARE017E INVALID DEVICE ADDRESS 'cuu'
DMSARE028E NO DEVICE SPECIFIED
DMSARE048E INVALID MODE 'mode'
DMSARE069E DISK '{mode|cuu}' NOT ACCESSED
DMSARE070E INVALID PARAMETER 'parameter'

DMSARN001E NO FILENAME SPECIFIED
DMSARN002E FILE 'fn ft' NOT FOUND
DMSARN003E INVALID OPTION 'option'
DMSARN004W WARNING MESSAGES ISSUED
DMSARN006E NO READ/WRITE DISK ACCESSED
DMSARN007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
DMSARN008W ERROR MESSAGES ISSUED
DMSARN012W SEVERE ERROR MESSAGES ISSUED
DMSARN016W TERMINAL ERROR MESSAGES ISSUED

DMSARX001E NO FILENAME SPECIFIED
DMSARX002E FILE 'fn ASM3705' NOT FOUND
DMSARX003E INVALID OPTION 'option'
DMSARX006E NO READ/WRITE DISK ACCESSED
DMSARX007E FILE 'fn ASM3705' IS NOT FIXED, 80-CHAR. RECORDS
DMSARX038E FILEID CONFLICT FOR DDNAME 'ASM3705'
DMSARX052E MORE THAN 100 CHARS OF OPTIONS SPECIFIED
DMSARX070E INVALID PARAMETER 'parameter'
DMSARX074E ERROR SETTING/RESETTING AUXILIARY DIRECTORY
DMSARX075E DEVICE 'device' INVALID FOR INPUT

DMSASM001E NO FILENAME SPECIFIED
DMSASM002E FILE 'fn ASSEMBLE' NOT FOUND
DMSASM003E INVALID OPTION 'option'
DMSASM006E NO READ/WRITE DISK ACCESSED
DMSASM007E FILE 'fn ASSEMBLE' IS NOT FIXED, 80-CHAR. RECORDS
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DMSASM038E FILEID CONFLICT FOR DDNAME 'ASSEMBLE'
DMSASM052E MORE THAN 100 CHARS OF OPTIONS SPECIFIED
DMSASM070E INVALID PARAMETER 'parameter'
DMSASM074E ERROR SETTING/RESETTING AUXILIARY DIRECTORY
DMSASM075E DEVICE 'device' INVALID FOR INPUT

DMSASN003E INVALID OPTION 'option'
DMSASN027E INVALID DEVICE 'device'
DMSASN028E NO LOGICAL UNIT SPECIFIED
DMSASN029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD.
DMSASN035E INVALID TAPE MODE
DMSASN050E PARAMETER MISSING AFTER SYSxxx
DMSASN065E 'option' OPTION SPECIFIED TWICE
DMSASN066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSASN069E DISK 'mode' NOT ACCESSED
DMSASN070E INVALID PARAMETER 'parameter'
DMSASN087E INVALID ASSIGNMENT OF 'SYSxxx' TO DEVICE 'device'
DMSASN090E INVALID DEVICE CLASS 'deviceclass' FOR 'device'
DMSASN099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSASN113S {TAPn|mode|READER|PUNCH|PRINTER} (cuu) NOT ATTACHED
DMSASN366E NO CMS/DOS SUPPORT FOR NATIVE 3350 DISK

DMSBOP037E DISK 'mode' IS READ/ONLY
DMSBOP043E TAPn IS FILE PROTECTED
DMSBOP058E END-OF-FILE OR END-OF-TAPE ON 'TAPn'
DMSBOP069E DISK 'mode' NOT ACCESSED
DMSBOP086W DLBL 'ddname' DUMMY INVALID FOR VSAM
DMSBOP088E UNSUPPORTED DTF TYPE 'dtftype'
DMSBOP089E OPEN ERROR CODE 'nn' ON {fn|SYSxxx|TAPn}
DMSBOP113S {TAPn|mode (cuu)} NOT ATTACHED
DMSBOP302E NO SYSxxx OPERAND SPECIFIED
DMSBOP308E 'mode' DISK IN CMS FORMAT; INVALID FOR NON-CMS DATASET
DMSBOP400S SYSTEM 'sysname' DOES NOT EXIST
DMSBOP401S VM SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)
DMSBOP410S CONTROL PROGRAM ERROR INDICATION 'retcode'
DMSBOP413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING

DMSBTB100E NO BATCH PROCESSOR AVAILABLE
DMSBTB101E BATCH NOT LOADED

DMSBTP105E NO JOB CARD PROVIDED
DMSBTP106E JOB CARD FORMAT INVALID
DMSBTP107E CP/CMS COMMAND 'command, (device)' NOT ALLOWED
DMSBTP108E /SET CARD FORMAT INVALID
DMSBTP109E {CPU|PRINTER|PUNCH} LIMIT EXCEEDED

DMSBWR107S DISK 'mode (cuu)' IS FULL
DMSBWR109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSBWR170S DISK 'mode (cuu)' HAS MAXIMUM NUMBER OF FILES

DMSCIO113S {READER|PUNCH} NOT ATTACHED
DMSCIO145S INTERVENTION REQUIRED ON {PRINTER|PUNCH}

DMSCIT171T PERMANENT CONSOLE ERROR, RE-IPL CMS.

DMSCLS043E TAPn IS FILE PROTECTED
DMSCLS058E END-OF-FILE OR END-OF-TAPE ON 'TAPn'
DMSCLS088E UNSUPPORTED DTF TYPE 'dtftype'
DMSCLS089E CLOSE ERROR CODE 'nn' ON '{fn|SYSxxx|TAPn}'
DMSCLS113S 'TAPn (cuu)' NOT ATTACHED
DMSCLS140S 'FEOV|SEOV' MACRO NOT SUPPORTED
DMSCLS429I 'TAPn (cuu)' EOT ON OUTPUT

DMSCMP002E FILE 'fn [ft [fm]]' NOT FOUND
DMSCMP003E INVALID OPTION 'option'
DMSCMP005E NO COLUMN SPECIFIED
DMSCMP009E COLUMN 'col' EXCEEDS RECORD LENGTH
DMSCMP010E PREMATURE EOF ON FILE ['fn ft [fm]']
DMSCMP011E CONFLICTING FILE FORMATS
DMSCMP019E IDENTICAL FILEIDS
DMSCMP029E INVALID PARAMETER 'parameter' IN THE OPTION 'COL' FIELD
DMSCMP054E INCOMPLETE FILEID SPECIFIED
DMSCMP062E INVALID * IN FILEID

DMSCMP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSCMP109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSCMP179I COMPARING 'fn ft fm' WITH 'fn ft fm'
DMSCMP209W FILES DO NOT COMPARE
DMSCMP211E COLUMN FIELDS OUT OF SEQUENCE

DMSCMS006E NO READ/WRITE A-DISK ACCESSED
DMSCMS095E INVALID ADDRESS 'address'
DMSCMS110E CORRECT FORM IS: CMSXGEN LOCATION (SEGNAME)
DMSCMS111E CMSXGEN FAILED DUE TO LOAD ERRORS
DMSCMS141S CMSXGEN FAILED DUE TO SAVESYS ERRORS
DMSCMS412S CMSXGEN FAILED DUE TO SETKEY ERROR
DMSCMS715I CMSXGEN COMPLETE

DMSCPY002E {INPUT|OVERLAY} FILE 'fn ft' NOT FOUND
DMSCPY003E INVALID OPTION 'option'
DMSCPY024E FILE 'fn ft fm' ALREADY EXISTS-- SPECIFY 'REPLACE'
DMSCPY029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
DMSCPY030E FILE 'fn ft fm' ALREADY ACTIVE
DMSCPY037E DISK 'mode' IS READ/ONLY
DMSCPY042E NO FILEID(S) SPECIFIED
DMSCPY048E INVALID MODE 'fm'
DMSCPY054E INCOMPLETE FILEID SPECIFIED
DMSCPY062E INVALID CHAR '{=|*|char}' IN FILEID ['fn ft fm]'
DMSCPY063E NO {TRANSLATION|SPECIFICATION} LIST ENTERED
DMSCPY064E INVALID [TRANSLATE] SPECIFICATION AT OR NEAR '.........'
DMSCPY065E 'option' OPTION SPECIFIED TWICE
DMSCPY066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSCPY067E COMBINED INPUT FILES ILLEGAL WITH PACK OR UNPACK OPTIONS
DMSCPY068E INPUT FILE 'fn ft fm' NOT IN PACKED FORMAT
DMSCPY101S 'SPECS' TEMP STRING STORAGE EXHAUSTED AT '........'
DMSCPY102S TOO MANY FILEIDS
DMSCPY103S NUMBER OF SPECS EXCEEDS MAX 20
DMSCPY156E 'FROM nnn' NOT FOUND - FILE 'fn ft fm' HAS ONLY 'nnn' RECORDS
DMSCPY157E LABEL 'label' NOT FOUND IN FILE 'fn ft fm'
DMSCPY172E TO LABEL 'label' {EQUALS|IS AN INITIAL SUBSTRING OF} FRLABEL 'label'
DMSCPY173E NO RECORDS WERE COPIED TO OUTPUT FILE 'fn ft fm'
DMSCPY601R ENTER SPECIFICATION LIST:
DMSCPY602R ENTER TRANSLATION LIST:
DMSCPY721I COPY 'fn ft fm' [{TO|APPEND|OVLY} 'fn ft fm' {OLD|NEW} FILE]
DMSCPY901T UNEXPECTED ERROR AT 'addr': PLIST 'plist' AT 'addr', BASE 'addr', RC 'nn'
DMSCPY903T IMPOSSIBLE PHASE CODE 'xx'
DMSCPY904T UNEXPECTED UNPACK ERROR AT 'addr', BASE 'addr'

DMSCRD171T PERMANENT CONSOLE ERROR. RE-IPL CMS.

DMSCWR171T PERMANENT CONSOLE ERROR. RE-IPL CMS.

DMSDBG113S PRINTER (cuu) NOT ATTACHED
DMSDBG728I DEBUG ENTERED [EXTERNAL INT|BREAKPOINT nn AT xxxxxx]

DMSDIO905S WRITE-INHIBIT SWITCH SET ON DRIVE ...NOTIFY OPERATOR

DMSDLB001E NO FILENAME SPECIFIED
DMSDLB003E INVALID OPTION 'option'
DMSDLB005E NO'{CAT|BUFSP}' SPECIFIED
DMSDLB023E NO FILETYPE SPECIFIED
DMSDLB048E INVALID MODE 'mode'
DMSDLB050E PARAMETER MISSING AFTER DDNAME
DMSDLB065E 'option' OPTION SEPCIFIED TWICE
DMSDLB066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSDLB070E INVALID PARAMETER 'parameter'
DMSDLB086E INVALID DDNAME 'ddname'
DMSDLB109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSDLB220R ENTER DATA SET NAME:
DMSDLB221E INVALID DATA SET NAME
DMSDLB301E 'SYSXXX' NOT ASSIGNED FOR DISK 'fm'
DMSDLB302E NO SYSXXX OPERAND ENTERED
DMSDLB304E INVALID OPERAND VALUE 'value'
DMSDLB305E INCOMPLETE EXTENT RANGE
DMSDLB306E SYSxxx NOT ASSIGNED FOR 'IGNORE'
DMSDLB307E CATALOG DDNAME 'ddname' NOT FOUND
DMSDLB308E 'mode' DISK IN [NON-]CMS FORMAT: INVALID FOR [NON-]CMS DATASET

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DMSDLB320I MAXIMUM NUMBER OF DISK ENTRIES RECORDED
DMSDLB321I MAXIMUM NUMBER OF EXTENTS RECORDED
DMSDLB322I 'ddname' NOT FOUND: NO CLEAR EXECUTED
DMSDLB323I {MASTER|JOB} CATALOG DLBL CLEARED
DMSDLB324I NO USER DEFINED DLBL's IN EFFECT
DMSDLB330R ENTER VOLUME SPECIFICATIONS:
DMSDLB331R ENTER EXTENT SPECIFICATIONS:

DMSDLK001E NO FILENAME SPECIFIED
DMSDLK003E INVALID OPTION 'option'
DMSDLK006E NO READ/WRITE DISK ACCESSED
DMSDLK007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
DMSDLK070E INVALID PARAMETER 'parameter'
DMSDLK099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSDLK104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSDLK105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSDLK210E LIBRARY 'fn ft' IS ON A READ-ONLY DISK
DMSDLK245S ERROR 'nnn' ON PRINTER

DMSDMP020W INVALID PDUMP ADDRESS 'address' - NO DUMP OPERATION PERFORMED

DMSDOS004E PHASE 'phase' NOT FOUND
DMSDOS091E SAVEAREA ADDRESS IN PARTITION PIB NOT EQUIVALENT TO LTA SAVEAREA ADDRESS
DMSDOS092E STXIT SAVEAREA ADDRESS INVALID
DMSDOS093E MVCOM MACRO ATTEMPT TO ALTER OTHER THAN POSITION 12-23 OF COMREG
DMSDOS094E FROM ADDRESS ON MVCOM MACRO INVALID
DMSDOS095E INVALID ADDRESS 'address'
DMSDOS096S UNSUPPORTED FUNCTION IN A LIOCS ROUTINE
DMSDOS121S UNSUPPORTED SVC no. (HEX no.) CALLED FROM caller
DMSDOS140S {FEOVD|SEOV|FEOV} MACRO NOT SUPPORTED
DMSDOS160S JOB CANCELED DUE TO PROGRAM REQUEST
DMSDOS401S VM SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)
DMSDOS413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING

DMSDSK002E FILE 'fn ft fm' NOT FOUND
DMSDSK009E COLUMN 'col' EXCEEDS RECORD LENGTH
DMSDSK014E INVALID FUNCTION 'function'
DMSDSK037E DISK 'mode' IS READ/ONLY
DMSDSK047E NO FUNCTION SPECIFIED
DMSDSK048E INVALID MODE 'mode'
DMSDSK054E INCOMPLETE FILEID SPECIFIED
DMSDSK062E INVALID * IN FILEID ['fn ft fm']
DMSDSK070E INVALID PARAMETER 'parameter'
DMSDSK077E END CARD MISSING FROM INPUT DECK
DMSDSK078E INVALID CARD IN INPUT DECK
DMSDSK104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSDSK105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK
DMSDSK118S ERROR PUNCHING FILE
DMSDSK124S ERROR READING CARD FILE
DMSDSK205W READER EMPTY OR NOT READY

DMSDSL002E FILE 'fm doslib' NOT FOUND
DMSDSL003E INVALID OPTION 'option'
DMSDSL013W PHASE 'phase' NOT FOUND IN LIBRARY 'fn DOSLIB fm'
DMSDSL014E INVALID FUNCTION 'function'
DMSDSL037E DISK 'mode' IS READ/ONLY
DMSDSL046E NO LIBRARY NAME SPECIFIED
DMSDSL047E NO FUNCTION SPECIFIED
DMSDSL069E DISK 'mode' NOT ACCESSED
DMSDSL070E INVALID PARAMETER 'parameter'
DMSDSL098E NO PHASE NAME SPECIFIED
DMSDSL104S ERROR 'nn' READING FILE 'fn DOSLIB fm' FROM DISK
DMSDSL105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSDSL213W LIBRARY 'fn DOSLIB fm' NOT CREATED.

DMSDSV003E INVALID OPTION 'option'
DMSDSV021W NO TRANSIENT DIRECTORY
DMSDSV022W NO CORE IMAGE DIRECTORY
DMSDSV023W NO RELOCATABLE DIRECTORY
DMSDSV024W NO PROCEDURE DIRECTORY
DMSDSV025W NO SOURCE STATEMENT DIRECTORY
DMSDSV026W 'phase' NOT IN LIBRARY
DMSDSV027E INVALID DEVICE 'nn'
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DMSDSV027W NO PRIVATE CORE IMAGE LIBRARY
DMSDSV028W NO {PRIVATE|SYSTEM} TRANSIENT DIRECTORY ENTRIES
DMSDSV047E NO FUNCTION SPECIFIED
DMSDSV065E 'option' OPTION SPECIFIED TWICE
DMSDSV066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSDSV070E INVALID PARAMETER 'parameter'
DMSDSV095E INVALID ADDRESS 'address'
DMSDSV099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSDSV105S ERROR 'nn' WRITING FILE 'DSERV MAP A5' ON DISK
DMSDSV245S ERROR 'nnn' ON PRINTER

DMSEDI003E INVALID OPTION 'option'
DMSEDI024E FILE 'EDIT CMSUT1 fm' ALREADY EXISTS
DMSEDI029E INVALID PARAMETER 'parameter' IN THE OPTION 'LRECL' FIELD
DMSEDI044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM
DMSEDI054E INCOMPLETE FILEID SPECIFIED
DMSEDI076E ACTUAL RECORD LENGTH EXCEEDS THAT SPECIFIED
DMSEDI104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSEDI105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK
DMSEDI117S ERROR WRITING TO DISPLAY TERMINAL
DMSEDI132S FILE 'fn ft fm' TOO LARGE
DMSEDI143S UNABLE TO LOAD SAVED SYSTEM OR LOAD MODULE
DMSEDI144S REQUESTED FILE IS IN ACTIVE STATUS

DMSERR215T NO VIRTUAL CONSOLE ATTACHED. RE-IPL CMS

DMSERS002E FILE ['fn [ft [fm]]'] NCT FOUND
DMSERS003E INVALID OPTION 'option'
DMSERS037E DISK 'mode' IS READ/ONLY
DMSERS048E INVALID MODE 'mode'
DMSERS054E INCOMPLETE FILEID SPECIFIED
DMSERS069E DISK 'mode' NOT ACCESSED
DMSERS070E INVALID PARAMETER 'parameter'
DMSERS071E ERASE * * [fm|*] NOT ALLOWED
DMSERS109T VIRTUAL STORAGE CAPACITY EXCEEDED

DMSERV001E NO FILENAME SPECIFIED
DMSERV002E FILE 'fn ESERV' NOT FOUND
DMSERV006E NO READ/WRITE DISK ACCESSED
DMSERV027E INVALID DEVICE 'device' FOR SYSxxx
DMSERV037E DISK 'mode' IS READ/ONLY
DMSERV070E INVALID ARGUMENT 'argument'
DMSERV099E CMS/DOS ENVIRONMENT NOT ACTIVE

DMSEXC001E NO FILENAME SPECIFIED

DMSEXT072E ERROR IN EXEC FILE fn  LINE nn - message

DMSFCH016E NO PRIVATE CORE IMAGE LIBRARY FOUND
DMSFCH104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSFCH109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSFCH113S DISK (cuu) NOT ATTACHED
DMSFCH115E PHASE LOAD POINT LESS THAN 'address'
DMSFCH411S INPUT ERROR CODE 'nn' ON '{SYSRES|SYSCLB}'
DMSFCH777S DOS PARTITION TOO SMALL TO ACCOMMODATE FETCH REQUEST

DMSFET003E INVALID OPTION 'option'
DMSFET004E PHASE 'phase' NOT FOUND
DMSFET029E INVALID PARAMETER 'parameter' IN THE OPTION 'ORIGIN' FIELD
DMSFET070E INVALID PARAMETER 'parameter'
DMSFET098E NO PHASE NAME SPECIFIED
DMSFET099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSFET710I PHASE 'phase' ENTRY POINT AT LOCATION XXXXXX

DMSFLD003E INVALID OPTION 'option'
DMSFLD023E NO FILETYPE SPECIFIED
DMSFLD027E INVALID DEVICE 'device name'
DMSFLD029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
DMSFLD035E INVALID TAPE MODE
DMSFLD050E PARAMETER MISSING AFTER DDNAME
DMSFLD065E 'option' OPTION SPECIFIED TWICE
DMSFLD066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSFLD069I DISK 'mode' NOT ACCESSED
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DMSFLD070E INVALID PARAMETER 'parameter'
DMSFLD220R ENTER DATA SET NAME:
DMSFLD221E INVALID DATA SET NAME 'data set name'
DMSFLD224E FILEID ALREADY IN USE
DMSFLD420E NSL EXIT FILENAME MISSING OR INVALID
DMSFLD704I INVALID CLEAR REQUEST


DMSFNS109T VIRTUAL STORAGE CAPACITY EXCEEDED
DMSFNS908T FILE SYSTEM ERROR DETECTED. VIRTUAL ADDR 'cuu'. REASON CODE 'nn'.
DMSFNS909T PERM I/O ERROR ON 'cuu'. CSW cccccccc cccccccc SENSE ssssssss ssssssss ssssssss
           ssssssss ssssssss ssssssss.


DMSFOR003E INVALID OPTION 'option'
DMSFOR005E NO OPTION 'option' SPECIFIED
DMSFOR017E INVALID DEVICE ADDRESS 'cuu'
DMSFOR028E NO DEVICE SPECIFIED
DMSFOR037E DISK 'mode[ (cuu) ]' IS READ/ONLY
DMSFOR048E INVALID MODE 'mode'
DMSFOR069E DISK 'mode' NOT ACCESSED
DMSFOR070E INVALID PARAMETER 'parameter'
DMSFOR113S cuu NOT ATTACHED
DMSFOR114S 'cuu' IS AN UNSUPPORTED DEVICE TYPE
DMSFOR125S PERMANENT UNIT CHECK ON DISK 'mode(cuu)'
DMSFOR126S ERROR {READ|WRIT}ING LABEL ON DISK 'mode(cuu)'
DMSFOR214W CANNOT RECOMPUTE WITHOUT LOSS OF DATA. NO CHANGE
DMSFOR253E FILE fn ft fm CANNOT BE HANDLED WITH SUPPLIED PARAMETER LIST
DMSFOR603R FORMAT WILL ERASE ALL FILES ON DISK 'mode(cuu)'. DO YOU WISH TO CONTINUE? (YES|NO):
DMSFOR605R ENTER DISK LABEL:
DMSFOR705I DISK REMAINS UNCHANGED
DMSFOR732I 'nnn' CYLINDERS FORMATTED ON DISK 'mode(cuu)'
DMSFOR732I 'nnn' {CYLINDERS|FB-512 BLOCKS} FORMATTED ON DISK 'mode(cuu)'
DMSFOR733I FORMATTING DISK 'mode'


DMSFRE159T INSUFFICIENT STORAGE AVAILABLE TO SATISFY DMSFREE REQUEST FROM addr
DMSFRE160T INVALID DMSFREE CALL FROM addr
DMSFRE161T INVALID DMSFRET CALL FROM addr, ERROR NUMBER nn
DMSFRE162T VITAL FREE STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn), RE-IPL CMS
DMSFRE163T {LOW|HIGH}-CORE USER CHAIN HAS BEEN DESTROYED (INTERNAL ERROR CODE nn).
DMSFRE164T {LOW|HIGH}-CORE NUCLEUS STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn).
DMSFRE165T CHAIN HEADER AT addr:  xxxxxx xxxxxx xxxxxx xxxxxx
DMSFRE166T UNEXPECTED ERROR IN FREE STORAGE MANAGEMENT ROUTINE (INTERNAL ERROR CODE nn). RE-IPL CMS
DMSFRE167T FREE STORAGE MANAGEMENT ERROR, INTERNAL CODE ERROR nn


DMSGEN006E NO READ/WRITE A-DISK ACCESSED
DMSGEN095E INVALID ADDRESS 'address'
DMSGEN110E CORRECT FORM IS: DOSGEN LOCATION SEGNAME
DMSGEN111E DOSGEN FAILED DUE TO LOAD ERRORS
DMSGEN141S DOSGEN FAILED DUE TO SAVESYS ERRORS
DMSGEN715I DOSGEN COMPLETE


DMSGLB002W FILE 'fn ft' NOT FOUND
DMSGLB014E INVALID FUNCTION 'function'
DMSGLB047E NO FUNCTION SPECIFIED
DMSGLB108S MORE THAN 8 LIBRARIES SPECIFIED


DMSGND002W FILE 'fn ft fm' NOT FOUND
DMSGND021E ENTRY POINT 'name' NOT FOUND
DMSGND022E NO DIRECTORY NAME SPECIFIED
DMSGND070E INVALID PARAMETER 'parameter'


DMSGRN002E FILE 'fn ft [fm]' NOT FOUND
DMSGRN003E INVALID OPTION 'option'
DMSGRN007E FILE 'fn ft' IS NOT FIXED, 80 CHAR. RECORDS
DMSGRN048E INVALID MODE 'mode'
DMSGRN054E INCOMPLETE FILEID SPECIFIED
DMSGRN078E INVALID CARD IN INPUT FILE '80 character card image'


DMSHLP002E INPUT FILE(S) 'fn ft fm' NOT FOUND
DMSHLP003E INVALID OPTION 'option'
DMSHLP104S ERROR nn READING FILE 'fn ft fm' FROM DISK
DMSHLP109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSHLP250S I/O ERROR OR DEVICE ERROR
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DMSHLP251E HELP PROCESSING ERROR, CODE nnn 'description'
DMSHLP252E VALID OPTIONS ARE: DESC FORM PARM ALL
DMSHLP907T I/O ERROR ON FILE 'fn ft fm'

DMSIFC002E FILE 'fn ft [fm]' NOT FOUND
DMSIFC007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
DMSIFC023E NO FILETYPE SPECIFIED
DMSIFC070E INVALID PARAMETER 'parameter'
DMSIFC104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSIFC825E 'CLEAR' IS VALID ONLY WHEN SPECIFIED BY ITSELF
DMSIFC826E EREP TXTLIBS NOT FOUND
DMSIFC828I CPEREP ZERO OR CLEAR HAS BEEN COMPLETED
DMSIFC829W ATTEMPTED 'ZERO' WAS SUPPRESSED. REQUIRES PRIVILEGE CLASS F
DMSIFC831E MORE THAN 100 CHARS OF OPTIONS SPECIFIED
DMSIFC832S SOFTWARE INCOMPATIBILITY AT THE CPEREP-EREP INTERFACE. CODE=nnn

DMSINI079E INVALID DEVICE ADDRESS - REENTER
DMSINI080E INVALID CYLINDER NUMBER - REENTER
DMSINI080E INVALID {CYL|BLK} NUMBER - REENTER
DMSINI081E INVALID REPLY - ANSWER "YES" OR "NO"
DMSINI082E IPL DEVICE ERROR - REENTER
DMSINI083E NUCLEUS WILL OVERLAY CMS FILES - RECOMPUTE
DMSINI083E NUCLEUS {CYL|BLK} SPECIFICATION UNACCEPTABLE, ERROR 'X'
DMSINI131S IPL DEVICE WRITE I/O ERROR
DMSINI606R SYSTEM DISK ADDRESS = cuu
DMSINI607R REWRITE THE NUCLEUS? {YES|NO}
DMSINI608R IPL DEVICE ADDRESS = cuu
DMSINI609R NUCLEUS CYL ADDRESS = nnn
DMSINI609R NUCLEUS {CYL|BLK} ADDRESS = nnn
DMSINI610R ALSO IPL CYLINDER 0? {YES|NO}
DMSINI610R ALSO IPL {CYL|BLK} 0? {YES|NO}
DMSINI611R VERSION IDENTIFICATION =
DMSINI612R INSTALLATION HEADING =
DMSINI615R Y - DISK ADDRESS = cuu
DMSINI902T IPL DEVICE READ I/O ERROR

DMSINS098W CMS OS SIMULATION NOT AVAILABLE
DMSINS100W CMSSEG SYSTEM NAME 'name' NOT AVAILABLE

DMSINT015E {UNKNOWN {CP/CMS|CMS|CP} |INVALID  {CMS|SUBSET}} COMMAND

DMSITP141T exception EXCEPTION OCCURRED AT addr IN ROUTINE callee
DMSITP142T exception EXCEPTION OCCURRED AT addr IN ROUTINE routine DURING 'SPIE' EXIT ROUTINE
DMSITP143T exception EXCEPTION OCCURRED AT addr in SYSTEM ROUTINE callee.
DMSITP144T exception EXCEPTION OCCURRED AT addr IN ROUTINE callee WHILE 'UFDBUSY' = xx.

DMSITS098S CMS OS SIMULATION NOT AVAILABLE
DMSITS122S ERROR IN CALL TO routine FROM addr, ERROR CODE nnn (HEX xxxxxxxx)
DMSITS134S UNSUPPORTED SVC 203 CODE nn CALLED FROM addr.
DMSITS135S MAXIMUM SVC DEPTH 20 HAS BEEN EXCEEDED WITH CALL AT addr
DMSITS136T SVC CALL FROM addr ILLEGALLY RE-ENTERS INTSVC. RE-IPL CMS
DMSITS137T CALL TO routine FROM addr DESTROYED SYSTEM SAVE AREA. RE-IPL CMS
DMSITS138T 'DMSKEY' CALL FROM addr OVERFLOWS KEY STACK, WITH MAX DEPTH 7.
DMSITS139T 'DMSKEY RESET' FROM addr UNDERFLOWS KEY STACK
DMSITS140T routine ROUTINE CALLED FROM addr DID DMSKEY WITH NO RESET.
DMSITS154T SAVE AREA FOR SVC CALL FROM addr CANNOT BE ALLOCATED

DMSLBD003E INVALID OPTION 'option'
DMSLBD029E INVALID PARAMETER 'paramter' IN THE OPTION 'option' FILEID
DMSLBD065E 'option' OPTION SPECIFIED TWICE
DMSLBD066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSLBD070E INVALID PARAMETER 'parameter'
DMSLBD221E INVALID DATA SET NAME
DMSLBD324I NO USER DEFINED LABELDEF's IN EFFECT
DMSLBD704I INVALID CLEAR REQUEST

DMSLBM001E NO FILENAME SPECIFIED
DMSLBM002E FILE 'fn ft' NOT FOUND
DMSLBM002W FILE 'fn ft fm' NOT FOUND
DMSLBM003E INVALID OPTION 'option'
DMSLBM013W MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'
DMSLBM014E INVALID FUNCTION 'function'
DMSLBM037E DISK 'mode' IS READ/ONLY
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DMSLBM046E NO LIBRARY NAME SPECIFIED
DMSLBM047E NO FUNCTION SPECIFIED
DMSLBM056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS
DMSLBM070E INVALID PARAMETER 'parameter'
DMSLBM104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSLBM105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSLBM109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSLBM157S MACLIB LIMIT EXCEEDED [, LAST MEMBER ADDED WAS 'membername']
DMSLBM167S PREVIOUS MACLIB FUNCTION NOT FINISHED
DMSLBM213W LIBRARY 'fn ft fm' NOT CREATED
DMSLBM907T I/O ERROR ON FILE 'fn ft fm'

DMSLBT001E NO FILENAME SPECIFIED
DMSLBT002E FILE 'fn ft' NOT FOUND
DMSLBT002W FILE 'fn ft' NOT FOUND
DMSLBT003E INVALID OPTION 'option'
DMSLBT013E MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'
DMSLBT014E INVALID FUNCTION 'function'
DMSLBT046E NO LIBRARY NAME SPECIFIED
DMSLBT047E NO FUNCTION SPECIFIED
DMSLBT056E FILE 'fn ft fm' CONTAINS INVALID [NAME|ALIAS|ENTRY|ESD] RECORD FORMATS
DMSLBT056W FILE 'fn ft fm' CONTAINS INVALID [NAME|ALIAS|ENTRY|ESD] RECORD FORMATS
DMSLBT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSLBT105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSLBT106S NUMBER OF MEMBER NAMES EXCEEDS MAX 'nnnn'. FILE 'fn ft' NOT ADDED
DMSLBT213W LIBRARY 'fn ft fm' NOT CREATED

DMSLDS002E DATA SET NOT FOUND
DMSLDS003E INVALID OPTION 'option'
DMSLDS048E INVALID MODE 'mode'
DMSLDS069E DISK 'mode' NOT ACCESSED
DMSLDS220R ENTER DATA SET NAME:
DMSLDS221E INVALID DATA SET NAME
DMSLDS222E I/O ERROR READING 'data set name' FROM {'fm'|OS|DOS} DISK
DMSLDS223E NO FILEMODE SPECIFIED
DMSLDS226E NO DATA SET NAME ALLOWED WITH FREE OPTION
DMSLDS227W INVALID EXTENT FOUND FOR 'datasetname' ON 'fm' DISK
DMSLDS229I NO MEMBERS FOUND
DMSLDS231E I/O ERROR READING VTOC FROM {'fm'|OS|DOS} DISK
DMSLDS233I NO FREE SPACE AVAILABLE ON 'fm' DISK

DMSLGT002I FILE 'fn' TXTLIB NOT FOUND

DMSLIO001E NO FILENAME SPECIFIED
DMSLIO002E FILE 'fn ft' NOT FOUND
DMSLIO002I FILE 'fn' TXTLIB NOT FOUND
DMSLIO003E INVALID OPTION 'option'
DMSLIO005E NO 'option' SPECIFIED
DMSLIO021E ENTRY POINT 'name' NOT FOUND
DMSLIO029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
DMSLIO055E NO ENTRY POINT DEFINED
DMSLIO056E FILE 'fn ft' CONTAINS INVALID RECORD FORMATS
DMSLIO099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSLIO104S ERROR 'nn' READING FILE 'fn ft fm' ON DISK
DMSLIO105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSLIO109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSLIO116S LOADER TABLE OVERFLOW
DMSLIO168S PSEUDO REGISTER TABLE OVERFLOW
DMSLIO169S ESDID TABLE OVERFLOW
DMSLIO201W THE FOLLOWING NAMES ARE UNDEFINED:
DMSLIO202W DUPLICATE IDENTIFIER 'identifier'
DMSLIO203W "SET LOCATION COUNTER" NAME 'name' UNDEFINED
DMSLIO206W PSEUDO REGISTER ALIGNMENT ERROR
DMSLIO740I EXECUTION BEGINS ...
DMSLIO907T I/O ERROR ON FILE 'fn ft fm'

DMSLKD001E NO FILENAME SPECIFIED
DMSLKD002E FILE 'fn ASSEMBLE' NOT FOUND
DMSLKD004W WARNING MESSAGES ISSUED
DMSLKD005E NO 'option' SPECIFIED
DMSLKD006E NO READ/WRITE DISK ACCESSED
DMSLKD007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
DMSLKD008W ERROR MESSAGES ISSUED
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DMSLKD012W SEVERE ERROR MESSAGES ISSUED
DMSLKD016W TERMINAL ERROR MESSAGES ISSUED
DMSLKD070E INVALID PARAMETER 'parameter'

DMSLLU003E INVALID OPTION 'option'
DMSLLU006E NO READ/WRITE 'A' DISK ACCESSED
DMSLLU070E INVALID PARAMETER 'parameter'
DMSLLU099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSLLU105S ERROR 'nn' WRITING FILE '$LISTIO EXEC A1' ON DISK
DMSLLU303E NO SYSXXX SATISFIES REQUEST

DMSLST002E FILE NOT FOUND
DMSLST003E INVALID OPTION 'option'
DMSLST037E DISK 'A' IS READ/ONLY
DMSLST048E INVALID MODE 'mode'
DMSLST066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSLST069E DISK 'mode' NOT ACCESSED
DMSLST070E INVALID PARAMETER 'parameter'
DMSLST105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK

DMSMDP001E NO FILENAME SPECIFIED
DMSMDP002E FILE 'fn ft' NOT FOUND
DMSMDP018E NO LOAD MAP AVAILABLE
DMSMDP070E INVALID PARAMETER 'parameter'

DMSMOD001E NO FILENAME SPECIFIED
DMSMOD002E FILE 'fn ft' NOT FOUND
DMSMOD003E INVALID OPTION 'option'
DMSMOD005E NO '{FROM|TO} ENTRY' SPECIFIED
DMSMOD021E ENTRY POINT 'name' NOT FOUND
DMSMOD032E INVALID FILETYPE 'ft'
DMSMOD037E DISK 'mode' IS READ/ONLY
DMSMOD040E NO FILES LOADED
DMSMOD070E INVALID PARAMETER 'parameter'
DMSMOD084E INVALID USE OF 'FROM' AND 'TO' OPTIONS
DMSMOD104S ERROR 'nn' READING FILE 'fn ft fm' ON DISK
DMSMOD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSMOD109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSMOD114S 'fn ft fm' NOT LOADED; CMS/DOS ENVIRONMENT [NOT] ACTIVE
DMSMOD116S LOADER TABLE OVERFLOW

DMSMVE002E FILE 'fn ft fm' NOT FOUND
DMSMVE003E INVALID OPTION 'option'
DMSMVE037E OUTPUT DISK 'mode' IS READ/ONLY
DMSMVE041E INPUT AND OUTPUT FILES ARE THE SAME
DMSMVE048E INVALID MODE 'mode'
DMSMVE069E OUTPUT DISK 'mode' IS NOT ACCESSED
DMSMVE070E INVALID PARAMETER 'parameter'
DMSMVE073E UNABLE TO OPEN FILE ddname
DMSMVE075E DEVICE 'device name' ILLEGAL FOR {INPUT|OUTPUT}
DMSMVE086E INVALID DDNAME 'ddname'
DMSMVE127S UNSUPPORTED DEVICE FOR ddname
DMSMVE128S I/O ERROR ON INPUT AFTER READING nnn RECORDS: INPUT ERROR code ON ddname
DMSMVE129S I/O ERROR ON OUTPUT WRITING RECORD NUMBER nnnn: OUTPUT ERROR code ON ddname
DMSMVE130S BLOCKSIZE ON V FORMAT FILE ddname IS LESS THAN 9
DMSMVE225I PDS MEMBER 'membername' MOVED
DMSMVE226I END OF PDS MOVE
DMSMVE706I TERM INPUT -- TYPE NULL LINE FOR END OF DATA
DMSMVE708I DISK FILE 'FILE ddname A1' ASSUMED FOR DDNAME 'ddname'

DMSNCP001E NO FILENAME SPECIFIED
DMSNCP002E FILE 'fn ASSEMBLE' NOT FOUND
DMSNCP003E INVALID OPTION 'option'
DMSNCP013E MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'
DMSNCP021E ENTRY POINT 'name' NOT FOUND
DMSNCP025E INVALID DATA IN 370X CONTROL PROGRAM
DMSNCP045E UNSUPPORTED 370X CONTROL PROGRAM TYPE
DMSNCP056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS
DMSNCP099W GENERATION PARAMETERS INCOMPATIBLE WITH VM/370
DMSNCP109S VIRTUAL STORAGE CAPACITY EXCEEDED

DMSOPL089E OPEN ERROR CODE 'nn' ON SYSxxx
DMSOPL158E NO CMS/DOS PROCEDURE LIBRARY SUPPORT

DMSOPT070E INVALID PARAMETER 'parameter'
DMSOPT099E CMS/DOS ENVIRONMENT NOT ACTIVE

DMSOVR014E INVALID FUNCTION 'function'
DMSOVR047E NO FUNCTION SPECIFIED
DMSOVR104S ERROR 'nn' READING FILE 'DMSOVR MODULE' ON DISK
DMSOVR109S VIRTUAL STORAGE CAPACITY EXCEEDED

DMSPDP088E UNSUPPORTED DTF TYPE 'dtftype'

DMSPIO113S PRINTER NOT ATTACHED
DMSPIO145S INTERVENTION REQUIRED ON PRINTER

DMSPRT002E FILE 'fn ft fm' NOT FOUND
DMSPRT003E INVALID OPTION 'option'
DMSPRT008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}
DMSPRT013E MEMBER 'name' NOT FOUND IN LIBRARY
DMSPRT029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
DMSPRT033E FILE 'fn ft fm' IS NOT A LIBRARY
DMSPRT039E NO ENTRIES IN LIBRARY 'fn ft fm'
DMSPRT044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM
DMSPRT048E INVALID MODE 'mode'
DMSPRT054E INCOMPLETE FILEID SPECIFIED
DMSPRT062E INVALID * IN FILEID
DMSPRT070E INVALID PARAMETER 'parameter'
DMSPRT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSPRT123S ERROR PRINTING FILE 'fn ft fm'

DMSPRV003E INVALID OPTION 'option'
DMSPRV004E PROCEDURE 'procedure' NOT FOUND
DMSPRV006E NO READ/WRITE 'A' DISK ACCESSED
DMSPRV037E DISK 'A' IS READ/ONLY
DMSPRV070E INVALID PARAMETER 'parameter'
DMSPRV097E NO 'SYSRES' VOLUME ACTIVE
DMSPRV098E NO PROCEDURE NAME SPECIFIED
DMSPRV099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSPRV105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK
DMSPRV113S DISK (cuu) NOT ATTACHED
DMSPRV411S INPUT ERROR CODE 'nn' ON 'SYSRES'

DMSPUN002E FILE 'fn ft fm' NOT FOUND
DMSPUN003E INVALID OPTION 'option'
DMSPUN008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}
DMSPUN013E MEMBER 'name' NOT FOUND IN LIBRARY
DMSPUN033E FILE 'fn ft fm' IS NOT A LIBRARY
DMSPUN039E NO ENTRIES IN LIBRARY 'fn ft fm'
DMSPUN044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM
DMSPUN054E INCOMPLETE FILEID SPECIFIED
DMSPUN062E INVALID * IN FILEID
DMSPUN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSPUN118S ERROR PUNCHING FILE 'fn ft fm'
DMSPUN123S ERROR 'nn' PUNCHING 'fn ft fm'

DMSQRY005E NO 'option' SPECIFIED
DMSQRY014E INVALID FUNCTION 'function'
DMSQRY026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION
DMSQRY047E NO FUNCTION SPECIFIED
DMSQRY070E INVALID PARAMETER 'parameter'
DMSQRY099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSQRY324I NO USER DEFINED LABELDEF's IN EFFCT

DMSRDC008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}
DMSRDC037E DISK 'A' IS READ/ONLY
DMSRDC042E NO FILEID SPECIFIED
DMSRDC054E INCOMPLETE FILEID SPECIFIED
DMSRDC062E INVALID * IN FILEID
DMSRDC105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSRDC124S ERROR READING CARD FILE
DMSRDC205W READER EMPTY OR NOT READY
DMSRDC701I NULL FILE
DMSRDC702I [READ CONTROL CARD MISSING. FOLLOWING ASSUMED:] :READ {fn ft fm|READCARD CMSUI1 A1}
DMSRDC738I RECORD LENGTH IS 'nnn' BYTES

DMSREA830E I/O ERROR READING A RECORD FROM THE ERROR RECORDING CYLINDERS

DMSRNM002E FILE 'fn ft fm' NOT FOUND
DMSRNM003E INVALID OPTION 'option'
DMSRNM019E IDENTICAL FILEIDS
DMSRNM024E FILE 'fn ft fm' ALREADY EXISTS
DMSRNM030E FILE 'fn ft fm' ALREADY ACTIVE
DMSRNM037E DISK 'mode' IS READ/ONLY
DMSRNM048E INVALID MODE 'mode'
DMSRNM051E INVALID MODE CHANGE
DMSRNM054E INCOMPLETE FILEID SPECIFIED
DMSRNM062E INVALID * IN OUTPUT FILEID

DMSRRV003E INVALID OPTION 'option'
DMSRRV004E MODULE 'module' NOT FOUND
DMSRRV006E NO READ/WRITE 'A' DISK ACCESSED
DMSRRV070E INVALID PARAMETER 'parameter'
DMSRRV097E NO 'SYSRES' VOLUME ACTIVE
DMSRRV098E NO MODULE NAME SPECIFIED
DMSRRV099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSRRV105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSRRV113S DISK (cuu) NOT ATTACHED
DMSRRV411S INPUT ERROR CODE 'nn' ON '{SYSRES|SYSRLB}'

DMSRUN001E NO FILENAME SPECIFIED
DMSRUN002E FILE 'fn ft fm' NOT FOUND
DMSRUN048E INVALID MODE 'mode'
DMSRUN070E INVALID PARAMETER 'parameter'
DMSRUN999E NO ft PROCESSOR FOUND

DMSSCT120S {IN/OUT}PUT ERROR 'code' ON 'ddname'

DMSSEB429I 'TAPn (cuu)' EOT ON OUTPUT

DMSSET014E INVALID FUNCTION 'function'
DMSSET026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION
DMSSET031E LOADER TABLES CANNOT BE MODIFIED
DMSSET047E NO FUNCTION SPECIFIED
DMSSET048E INVALID MODE 'mode'
DMSSET050E PARAMETER MISSING AFTER {DDNAME|SYSxxx|function}
DMSSET061E NO TRANSLATION CHARACTER SPECIFIED
DMSSET070E INVALID PARAMETER 'parameter'
DMSSET098W CMS OS SIMULATION NOT AVAILABLE
DMSSET099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSSET100W SYSTEM NAME 'name' NOT AVAILABLE
DMSSET142S SAVED SYSTEM NAME 'name' INVALID
DMSSET333E nnnnnK PARTITION TOO LARGE FOR THIS VIRTUAL MACHINE
DMSSET400S SYSTEM 'sysname' DOES NOT EXIST
DMSSET401S VM SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)
DMSSET410S CONTROL PROGRAM ERROR INDICATION 'retcode'
DMSSET444E VOLUME 'label' IS NOT A DOS SYSRES

DMSSLN002E FILE 'fn ft' NOT FOUND
DMSSLN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK

DMSSMN109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSSMN133S INVALID GETMAIN OR FREEMAIN SPECIFICATION

DMSSOP036E OPEN ERROR CODE 'nn' ON 'ddname'
DMSSOP036W UPDATE REQUESTED FOR READ-ONLY DISK
DMSSOP109S VIRTUAL STORAGE CAPACITY EXCEEDED

DMSSRT002E FILE 'fn ft fm' NOT FOUND
DMSSRT009E COLUMN 'col' EXCEEDS RECORD LENGTH
DMSSRT019E IDENTICAL FILEIDS
DMSSRT034E FILE 'fn ft fm' IS NOT FIXED LENGTH
DMSSRT037E DISK 'mode' IS READ/ONLY
DMSSRT053E INVALID SORT FIELD PAIR DEFINED
DMSSRT054E INCOMPLETE FILEID SPECIFIED
DMSSRT062E INVALID * IN OUTPUT FILEID
DMSSRT063E NO LIST ENTERED
DMSSRT070E INVALID PARAMETER 'parameter'
DMSSRT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK

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DMSSRT105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSSRT212E MAXIMUM NUMBER OF RECORDS EXCEEDED
DMSSRT604R ENTER SORT FIELDS:

DMSSRV003E INVALID OPTION 'option'
DMSSRV004E BOOK 'subl.book' NOT FOUND
DMSSRV006E NO READ/WRITE 'A' DISK ACCESSED
DMSSRV070E INVALID PARAMETER 'parameter'
DMSSRV097E NO 'SYSRES' VOLUME ACTIVE'
DMSSRV098E NO BOOK NAME SPECIFIED
DMSSRV099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSSRV105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSSRV113S DISK (cuu) NOT ATTACHED
DMSSRV194S BOOK 'subl.book' CONTAINS BAD RECORDS
DMSSRV411S INPUT ERROR CODE 'nn' ON {SYSRES|SYSSLB}

DMSSSK070E INVALID PARAMETER 'parameter'
DMSSSK362E INVALID STORAGE PROTECT KEY 'key'
DMSSSK363E INVALID STARTING ADDRESS 'startadr'
DMSSSK364E VM STORAGE NOT LARGE ENOUGH TO CONTAIN SYSTEM LOADING AT startadr to endadr
DMSSSK365E SYSTEM NAME NOT SPECIFIED
DMSSSK400S SYSTEM 'name' DOES NOT EXIST
DMSSSK410S CONTROL PROGRAM ERROR INDICATION 'nnn'

DMSSTG109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSSTG133S INVALID GETMAIN OR FREEMAIN SPECIFICATION

DMSSTT002E FILE 'fn ft fm' NOT FOUND
DMSSTT048E INVALID MODE 'mode'
DMSSTT054E INCOMPLETE FILEID SPECIFIED
DMSSTT062E INVALID 'char' IN FILEID 'fn ft'
DMSSTT069E DISK 'mode' NOT ACCESSED
DMSSTT070E INVALID PARAMETER 'parameter'
DMSSTT227I PROCESSING VOLUME 'no' IN DATA SET 'data set name'
DMSSTT228I USER LABELS BYPASSED ON DATA SET 'data set name'
DMSSTT229E UNSUPPORTED OS DATA SET, ERROR 'code'

DMSSVT033E FILE 'fn ft fm' IS NOT A LIBRARY
DMSSVT119S UNSUPPORTED FORM OF 'macro' MACRO
DMSSVT120S {IN|OUT}PUT ERROR 'code' ON 'ddname'
DMSSVT121S UNSUPPORTED SVC svc (HEX xx) CALLED FROM addr

DMSSYN002E FILE 'fn ft fm' NOT FOUND
DMSSYN003E INVALID OPTION 'option'
DMSSYN007E FILE 'fn ft fm' NOT FIXED, 80 CHAR RECORDS
DMSSYN032E INVALID FILETYPE 'ft'
DMSSYN056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS
DMSSYN066E 'STD' AND 'NOSTD' ARE CONFLICTING OPTIONS
DMSSYN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSSYN711I NO SYSTEM SYNONYMS IN EFFECT
DMSSYN712I NO SYNONYMS. (DMSINA NOT IN NUCLEUS)

DMSTLB027E INVALID DEVICE 'device name'
DMSTLB043E 'TAPn (cuu)' IS FILE PROTECTED
DMSTLB058E END-OF-FILE or END-OF-TAPE [TAPn]
DMSTLB110S ERROR READING 'TAPn [ (cuu) ]'
DMSTLB111S ERROR WRITING 'TAPn (cuu)'
DMSTLB113S 'TAPn (cuu)' NOT ATTACHED
DMSTLB421E 'TAPn (cuu)' HDR1 LABEL MISSING FOR 'filename'
DMSTLB422E 'TAPn (cuu)' POSITIONED WRONG FOR 'filename'
DMSTLB423I 'TAPn (cuu)' POSITIONED PARAMETER IGNORED. OUTPUT  FILE WILL  BE WRITTEN  IMMEDIATELY
           AFTER NEW VOL1 LABEL
DMSTLB424E 'TAPn (cuu)' NOT POSITIONED AT EOF1 LABEL
DMSTLB425R 'TAPn (cuu)' BLOCK COUNT ERROR FOR 'filename' ENTER 'IGNORE' OR 'CANCEL'
DMSTLB426R 'TAPn (cuu)' UNEXPIRED FILE ENTER 'IGNORE' OR 'ERROR'
DMSTLB427I 'TAPn (cuu)' EOV1 LABEL READ
DMSTLB428I 'TAPn (cuu)' EOV1 LABEL WRITTEN
DMSTLB430E 'TAPn (cuu)' LABELDEF INFORMATION MISSING FOR FILE 'filename'
DMSTLB431E 'TAPn (cuu)' VOL1 LABEL MISSING
DMSTLB432E 'TAPn (cuu)' VOLID volid DOES NOT MATCH LABELDEF VOLID FOR 'filename'
DMSTLB433R ENTER 'WRITE (VOLID' OR 'REJECT'
DMSTLB434E 'TAPn (cuu)' INPUT LABEL CHECK ERROR FOR FILE 'filename'
DMSTLB435R ENTER 'IGNORE' OR 'CANCEL'
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DMSTLB436I 'TAPn (cuu)' MISSING USER STANDARD LABEL FOR 'ddname'
DMSTLB437I 'TAPn (cuu)' NSL ROUTINE RETURNED AN ERROR CODE 'nnnnnn' FOR 'filename'

DMSTMA001E NO FILENAME SPECIFIED
DMSTMA003E INVALID OPTION 'option'
DMSTMA057E INVALID RECORD FORMAT
DMSTMA070E INVALID PARAMETER 'parameter'
DMSTMA105S ERROR nn WRITING FILE fn ft ON DISK
DMSTMA109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSTMA110S ERROR READING 'TAPn'
DMSTMA137S ERROR nn ON STATE FOR fn ft
DMSTMA138S ERROR nn ERASING fn ft BEFORE LOADING TAPE
DMSTMA139S TAPE FILE EXCEEDS 9 CMS MACLIBS
DMSTMA420E NSL EXIT FILENAME MISSING OR INVALID

DMSTPD003E INVALID OPTION 'option'
DMSTPD058E END-OF-FILE OR END-OF-TAPE
DMSTPD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSTPD109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSTPD110S ERROR READING 'TAPn'
DMSTPD420E NSL EXIT FILENAME MISSING OR INVALID
DMSTPD703I FILE 'fn ft [fm]' COPIED
DMSTPD707I TEN FILES COPIED

DMSTPE002E FILE 'fn ft fm' NOT FOUND
DMSTPE003E INVALID OPTION 'option'
DMSTPE010E PREMATURE EOF ON FILE 'fn ft fm'
DMSTPE014E INVALID FUNCTION 'function'
DMSTPE017E INVALID DEVICE ADDRESS 'cuu'
DMSTPE023E NO FILETYPE SPECIFIED
DMSTPE027E INVALID DEVICE 'device name'
DMSTPE029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
DMSTPE037E DISK 'mode' IS READ/ONLY
DMSTPE042E NO FILEID SPECIFIED
DMSTPE043E 'TAPn(cuu)' IS FILE PROTECTED
DMSTPE047E NO FUNCTION SPECIFIED
DMSTPE048E INVALID MODE 'mode'
DMSTPE057E INVALID RECORD FORMAT
DMSTPE058E END-OF-FILE OR END-OF-TAPE
DMSTPE070E INVALID PARAMETER 'parameter'
DMSTPE104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSTPE105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSTPE110S ERROR READING 'TAPn(cuu)'
DMSTPE111S ERROR WRITING 'TAPn(cuu)'
DMSTPE113S TAPn(cuu) NOT ATTACHED
DMSTPE115S {CONVERSION|{7|9}-TRACK|{800|6250} BPI|TRANSLATION|DUAL-DENSITY} FEATURE NOT SUPPORTED
           ON DEVICE 'cuu'
DMSTPE431E 'TAPn (cuu)' VOL1 LABEL MISSING
DMSTPE701I NULL FILE

DMSTYP002E FILE 'fn ft fm' NOT FOUND
DMSTYP003E INVALID OPTION 'option'
DMSTYP005E NO 'option' SPECIFIED
DMSTYP009E COLUMN 'col' EXCEEDS RECORD LENGTH
DMSTYP013E MEMBER 'name' NOT FOUND IN LIBRARY
DMSTYP029E INVALID PARAMETER 'parameter' [IN THE OPTION 'option' FIELD]
DMSTYP033E FILE 'fn ft fm' IS NOT A LIBRARY
DMSTYP039E NO ENTRIES IN LIBRARY 'fn ft fm'
DMSTYP049E INVALID LINE NUMBER 'line number'
DMSTYP054E INCOMPLETE FILEID SPECIFIED
DMSTYP062E INVALID * IN FILEID
DMSTYP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK

DMSUPD001E NO FILENAME SPECIFIED
DMSUPD002E FILE 'fn ft fm' NOT FOUND
DMSUPD003E INVALID OPTION 'option'
DMSUPD007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
DMSUPD010W PREMATURE EOF ON FILE 'fn ft fm' -- SEQ NUMBER '........' NOT FOUND
DMSUPD024E FILE 'UPDATE CMSUT1 fm' ALREADY EXISTS
DMSUPD037E DISK 'A' IS READ/ONLY
DMSUPD048E INVALID MODE 'mode'
DMSUPD065E 'option' OPTION SPECIFIED TWICE
DMSUPD066E 'option' and 'option' ARE CONFLICTING OPTIONS

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DMSUPD069E DISK 'A' NOT ACCESSED
DMSUPD070E INVALID PARAMETER 'parameter'
DMSUPD104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSUPD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSUPD174W SEQUENCE ERROR INTRODUCED IN OUTPUT FILE: '.........' TO '.........'
DMSUPD176W SEQUENCING OVERFLOW FOLLOWING SEQ NUMBER '........'
DMSUPD177I WARNING MESSAGES ISSUED (SEVERITY = nn). ['REP' OPTION IGNORED.]
DMSUPD178I UPDATING ['fn ft fm'] WITH 'fn ft fm'
DMSUPD179E MISSING OR DUPLICATE 'MACS' CARD IN CONTROL FILE 'fn ft fm'
DMSUPD180W MISSING PTF FILE 'fn ft fm'
DMSUPD181E NO UPDATE FILES WERE FOUND
DMSUPD182W SEQUENCE INCREMENT IS ZERO
DMSUPD183E INVALID {CONTROL|AUX} FILE CONTROL CARD
DMSUPD184W './ S' NOT FIRST CARD IN UPDATE FILE -- IGNORED
DMSUPD185W INVALID CHAR IN SEQUENCE FIELD '........'
DMSUPD186W SEQUENCE NUMBER '........' NOT FOUND
DMSUPD187E OPTION 'STK' INVALID WITHOUT 'CTL'
DMSUPD207W INVALID UPDATE FILE CONTROL CARD
DMSUPD210W INPUT FILE SEQUENCE ERROR: '........' TO '........'
DMSUPD299E INSUFFICIENT STORAGE TO COMPLETE UPDATE.
DMSUPD300E INSUFFICIENT STORAGE TO BEGIN UPDATE.
DMSUPD304I UPDATE PROCESSING WILL BE DONE USING DISK.

DMSVGN069E DISK 'A' NOT ACCESSED.
DMSVGN360E INVALID RESPONSE 'response'.
DMSVGN360I CMS/VSAM TEXT FILES CREATED ON DISK 'A'.
DMSVGN360R ENTER EITHER 'INSTALL' OR 'UPDATE':
DMSVGN361E DISK 'mode' IS NOT A {CMS|DOS} DISK.
DMSVGN361I CREATING CMS TEXT FILES...
DMSVGN361R ENTER EITHER 'DOS' OR 'OS':
DMSVGN362I LINK EDITING sysname
DMSVGN362R ENTER MODE OF DOS SYSTEM RELOCATABLE LIBRARY DISK:
DMSVGN363I sysname DOSLIB CREATED ON DISK 'A'.
DMSVGN363R ENTER LOCATION WHERE sysname WILL BE LOADED AND SAVED:
DMSVGN364I FETCHING sysname...
DMSVGN364R ENTER 'CMSVSAM' OR 'CMSAMS' OR 'BOTH' FOR GENERATION OF NEW SYSTEM(S):
DMSVGN365I SYSTEM sysname SAVED
DMSVGN365R ENTER MODULE NAME (8 CHARS OR LESS) OR 'END':
DMSVGN366I STARTING TO READ PTF DECKS FROM READER...
DMSVGN366R ENTER NAME OF SYSTEM TO BE SAVED:
DMSVGN367I 'modulename TEXT' WRITTEN ON DISK 'A'.
DMSVGN368I count NEW PTF DECKS WILL BE APPLIED.
DMSVGN368R ERASE sysname DOSLIB?...ENTER 'YES' OR 'NO':
DMSVGN369E INVALID - RELEASE 31 OR LATER REQUIRED
DMSVGN369R ENTER RELEASE NUMBER OF DOS/VS STARTER SYSTEM:
DMSVGN380R ENTER 'TAPE' OR 'CARDS' FOR PTF APPLICATION:
DMSVGN381R ENTER 'SELECT' OR 'ALL' FOR TAPE PTF APPLICATION
DMSVGN382R ENTER NUMBER OF TAPE FILES TO BE PROCESSED:

DMSVIB109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSVIB400S SYSTEM 'sysname' DOES NOT EXIST
DMSVIB401S VM SIZE (size) CANNOT EXCEED 'sysname' START ADDRESS (address)
DMSVIB410S CONTROL PROGRAM ERROR INDICATION 'retcode'

DMSVIP109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSVIP230E NO. OF VSAM EXIT ROUTINES HAS EXCEEDED MAX OF 128 - UNABLE TO CONTINUE

DMSVMF006E NO READ/WRITE DISK ACCESSED
DMSVMF035E INVALID TAPE MODE
DMSVMF047E NO FUNCTION SPECIFIED
DMSVMF058E END-OF-FILE OR END-OF-TAPE ON
DMSVMF070E INVALID PARAMETER 'parameter'
DMSVMF104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSVMF105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK
DMSVMF109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSVMF110S ERROR READING 'TAPn [ (cuu) ]'
DMSVMF113S TAPE 'TAPn(cuu)' NOT ATTACHED
DMSVMF117S ERROR WRITING TO DISPLAY TERMINAL
DMSVMF383R APPLY 'fn'? ... ENTER 'NO' OR EOB

DMSVPD070E INVALID PARAMETER 'parameter'
DMSVPD105S ERROR 'nn' WRITING FILE 'fn CMSUT1 A1' ON DISK.
DMSVPD109S VIRTUAL STORAGE CAPACITY EXCEEDED.
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DMS

DMSVPD110S ERROR READING TAP1(181).
DMSVPD113S TAP1(181) NOT ATTACHED.
DMSVPD367I 'modulename TEXT' WRITTEN ON DISK 'A'
DMSVPD368I count NEW PTF DECKS WILL BE APPLIED
DMSVPD383R APPLY 'fn'? ...ENTER 'NO' OR EOB:

DMSXCP037E OUTPUT DISK mode (cuu) IS READ/ONLY
DMSXCP043E TAPE (cuu) IS FILE PROTECTED
DMSXCP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSXCP105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSXCP113S 'device (cuu)' NOT ATTACHED
DMSXCP161S UNEXPECTED ERROR CODE 'nn' ON 'SYSxxx'
DMSXCP411S {INPUT|OUTPUT} ERROR CODE 'nn' ON 'SYSxxx'

DMSZAP001E NO FILENAME SPECIFIED
DMSZAP002E FILE 'fn ft' NOT FOUND
DMSZAP002W FILE 'fn ft' NOT FOUND
DMSZAP003E INVALID OPTION 'option'
DMSZAP007E FILE 'fn ft' IS NOT FIXED, 80 CHAR. RECORDS
DMSZAP014E INVALID FUNCTION 'function'
DMSZAP047E NO FUNCTION SPECIFIED
DMSZAP056E FILE 'fn ft' CONTAINS INVALID RECORD FORMATS
DMSZAP070E INVALID PARAMETER 'parameter'
DMSZAP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSZAP190W INVALID CONTROL RECORD OR NO GO SWITCH SET
DMSZAP191W PATCH OVERLAPS - SET NO GO SWITCH
DMSZAP192W ERROR - ODD NUMBER OF DIGITS - SET NO GO SWITCH
DMSZAP193W PRECEDING CONTROL RECORD FLUSHED
DMSZAP194W CSECT NOT FOUND IN {MEMBER 'membername'|MODULE 'modulename'} -SET NO GO SWITCH
DMSZAP195W BASE VALUE INVALID - SET NO GO SWITCH
DMSZAP200W VERIFY REJECT - SET NO GO SWITCH
DMSZAP208E FILE 'fn ft' IS NOT VARIABLE RECORD FORMAT
DMSZAP210E FILE 'fn ft' IS ON A READ/ONLY DISK
DMSZAP245S ERROR 'nnn' ON PRINTER
DMSZAP246W NO LOADER TABLE PRESENT FOR MODULE 'fn' - SET NO GO SWITCH
DMSZAP247W MEMBER 'name' NOT FOUND - SET NO GO SWITCH
DMSZAP248W INVALID VER/REP DISP - SET NO GO SWITCH
DMSZAP750I ZAP PROCESSING COMPLETE
DMSZAP751I MEMBER FOUND IN LIBRARY 'fn'

RSCS Message Summary

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DMTAXS101I FILE spoolid ENQUEUED ON LINK linkid
DMTAXS102I FILE spoolid PENDING FOR LINK linkid
DMTAXS103E FILE spoolid REJECTED -- INVALID DESTINATION ADDRESS
DMTAXS104I FILE SPOOLED TO userid2 -- ORG locid1 (name1) mm/dd/yy hh:mm:ss
DMTAXS105I FILE spoolid PURGED
DMTAXS106I FILE spoolid MISSING -- DEQUEUED FROM LINK linkid
DMTAXS107I nn PENDING FILES FOR LINK linkid MISSING
DMTAXS108E SYSTEM ERROR READING SPOOL FILE spoolid
DMTAXS520I FILE spoolid CHANGED
DMTAXS521I FILE spoolid HELD FOR LINK linkid
DMTAXS522I FILE spoolid RELEASED FOR LINK linkid
DMTAXS523I LINK linkid QUEUE REORDERED
DMTAXS524E FILE spoolid ACTIVE -- NO ACTION TAKEN
DMTAXS525E FILE spoolid IS FOR LINK linkid -- NO ACTION TAKEN
DMTAXS526E FILE spoolid NOT FOUND -- NO ACTION TAKEN
DMTAXS640I nn FILE(S) PURGED ON LINK linkid


DMTCMX001I FREE STORAGE = nn PAGES
DMTCMX003I LINK linkid EXECUTING: (command line text)
DMTCMX200I RSCS
DMTCMX201E INVALID COMMAND command
DMTCMX202E INVALID LINK linkid
DMTCMX203E INVALID SPOOL FILE ID spoolid
DMTCMX204E INVALID KEYWORD keyword
DMTCMX205E CONFLICTING KEYWORD keyword
DMTCMX206E INVALID OPTION keyword option
DMTCMX207E CONFLICTING OPTION keyword option
DMTCMX208E INVALID USER ID userid
DMTCMX300I ACCEPTED BY TASK task
DMTCMX301E REJECTED BY TASK task -- PREVIOUS COMMAND ACTIVE
DMTCMX302E LINK linkid IS NOT DEFINED
DMTCMX303E LINK linkid IS NOT ACTIVE
DMTCMX304E REJECTED BY TASK task -- NOT RECEIVING
DMTCMX540I NEW LINK linkid DEFINED
DMTCMX541I LINK linkid REDEFINED
DMTCMX542E LINK linkid ACTIVE -- NOT REDEFINED
DMTCMX543E LINK linkid NOT DEFINED -- LINK LIMIT REACHED
DMTCMX544E LINK linkid NOT DEFINED -- TYPE NOT SPECIFIED
DMTCMX550I LINK linkid NOW DELETED
DMTCMX551E LINK linkid ACTIVE -- NOT DELETED
DMTCMX552E LINK linkid HAS A FILE QUEUE -- NOT DELETED
DMTCMX560I RSCS DISCONNECTING
DMTCMX561E USERID userid NOT RECEIVING
DMTCMX651I LINK linkid INACTIVE
DMTCMX652I LINK linkid ACTIVE task type vaddr c {HO|NOH} {DR|NOD} {TRA|TRE|NOT} Q=m P=n
DMTCMX653I LINK linkid DEFAULT task type vaddr c R=m
DMTCMX654I LINK linkid Q=m P=n
DMTCMX655I FILE spoolid locid userid CL a PR mm REC nnnnnn {A|I}
DMTCMX660I FILE spoolid INACTIVE ON LINK linkid
DMTCMX661I FILE spoolid ACTIVE ON LINK linkid
DMTCMX662I FILE spoolid ORG locid1 userid1 mm/dd/yy hh:mm:ss TO loclid2 userid2
DMTCMX663I FILE spoolid PR mm CL a CO nn {HO|NOH} DI distcode, NA {fn ft|dsname}
DMTCMX664E FILE spoolid NOT FOUND
DMTCMX670I LINK linkid ACTIVE -- LINE vaddr {HO|NOH}
DMTCMX671I LINK linkid INACTIVE
DMTCMX672I NO LINK ACTIVE
DMTCMX673I NO LINK DEFINED
DMTCMX700I ACTIVATING LINK linkid task type vaddr c
DMTCMX701E NO SWITCHED LINE AVAILABLE -- LINK linkid NOT ACTIVATED
DMTCMX702E LINE vaddr IS IN USE BY LINK linkid1 -- LINK linkid2 NOT ACTIVATED
DMTCMX703E DEV cuu IS NOT A LINE PORT -- LINK linkid NOT ACTIVATED
DMTCMX704E LINE vaddr CC=3 NOT OPERATIONAL -- LINK linkid NOT ACTIVATED
DMTCMX705E DRIVER type NOT FOUND ON DISK vaddr -- LINK linkid NOT ACTIVATED
DMTCMX706E FATAL ERROR LOADING FROM vaddr -- LINK linkid NOT ACTIVATED
DMTCMX707E DRIVER type FILE FORMAT INVALID -- LINK linkid NOT ACTIVATED
DMTCMX708E VIRTUAL STORAGE CAPACITY EXCEEDED -- LINK linkid NOT ACTIVATED
DMTCMX709E TASK NAME task ALREADY IN USE -- LINK linkid NOT ACTIVATED
DMTCMX710E MAX (nn) ACTIVE -- LINK linkid NOT ACTIVATED
DMTCMX750E LINK linkid ALREADY ACTIVE -- NO ACTION TAKEN
DMTCMX751I LINK linkid ALREADY ACTIVE -- NEW CLASS(ES) SET AS REQUESTED
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DMT

DMTCMX752I LINK linkid STILL ACTIVE -- DRAIN STATUS RESET

DMTINI402T IPL DEVICE READ I/O ERROR
DMTINI406R SYSTEM DISK ADDRESS = cuu
DMTINI407R REWRITE THE NUCLEUS? [YES|NO]
DMTINI409R NUCLEUS CYL ADDRESS = nnn
DMTINI410R ALSO IPL CYLINDER 0? [YES|NO]
DMTINI431S IPL DEVICE WRITE I/O ERROR
DMTINI479E INVALID DEVICE ADDRESS - REENTER
DMTINI480E INVALID CYLINDER NUMBER - REENTER
DMTINI481E INVALID REPLY - ANSWER "YES" OR "NO"
DMTINI482E SYSTEM DISK ERROR - REENTER
DMTINI483E NUCLEUS WILL OVERLAY CMS FILES - RECOMPUTE

DMTNPT070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw
DMTNPT904E SIGNON PARAMETER=parameter INVALID
DMTNPT907E SIGNON TYPE PARAMETER MISSING
DMTNPT036E NO REMOTE PUNCH AVAILABLE ON LINK linkid -- FILE spoolid PURGED
DMTNPT108E SYSTEM ERROR READING SPOOL FILE spoolid
DMTNPT141I LINE vaddr READY FOR CONNECTION TO LINK linkid
DMTNPT142I LINK linkid LINE vaddr CONNECTED
DMTNPT143I LINK linkid LINE vaddr DISCONNECTED
DMTNPT144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTNPT145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTNPT146I SENDING: FILE spoolid ON LINK linkid, REC nnnnnn
DMTNPT147I SENT: FILE spoolid ON LINK linkid
DMTNPT149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS= nnn; TMOUTS= ppp
DMTNPT160I LINE vaddr DISABLED FOR LINK linkid
DMTNPT170I FROM linkid: (MSG message text)
DMTNPT190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid
DMTNPT510I FILE spoolid BACKSPACED
DMTNPT511E NO FILE ACTIVE ON LINK linkid
DMTNPT530I COMMAND FORWARDED ON LINK linkid
DMTNPT570I LINK linkid NOW SET TO DEACTIVATE
DMTNPT571E LINK linkid ALREADY SET TO DEACTIVATE
DMTNPT580I FILE spoolid PROCESSING TERMINATED
DMTNPT581E FILE spoolid NOT ACTIVE
DMTNPT590I LINK linkid RESUMING FILE TRANSFER
DMTNPT591E LINK linkid NOT IN HOLD STATUS
DMTNPT600I FILE spoolid FORWARD SPACED
DMTNPT610I LINK linkid TO SUSPEND FILE TRANSMISSION
DMTNPT611I LINK linkid FILE TRANSMISSION SUSPENDED
DMTNPT612E LINK linkid ALREADY IN HOLD STATUS
DMTNPT801I LINK linkid ERROR TRACE STARTED
DMTNPT802I LINK linkid TRACE STARTED
DMTNPT803I LINK linkid TRACE ENDED
DMTNPT810E LINK linkid TRACE ALREADY ACTIVE
DMTNPT811E LINK linkid TRACE NOT ACTIVE
DMTNPT902E NON-SIGNON CARD READ ON LINK linkid
DMTNPT903E PASSWORD SUPPLIED ON LINK linkid IS INVALID
DMTNPT905I SIGNON OF LINKID (linkid) COMPLETE
DMTNPT934E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED

DMTREX000I RSCS (VER v, LEV 1, mm/dd/yy) READY
DMTREX002I LINK linkid DEACTIVATED
DMTREX091T INITIALIZATION FAILURE -- RSCS SHUTDOWN

DMTSML070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw
DMTSML108E SYSTEM ERROR READING SPOOL FILE spoolid
DMTSML141I LINE vaddr READY FOR CONNECTION TO LINK linkid
DMTSML142I LINK linkid LINE vaddr CONNECTED
DMTSML143I LINK linkid LINE vaddr DISCONNECTED
DMTSML144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTSML145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTSML146I SENDING: FILE spoolid ON LINK linkid, REC nnnnnn
DMTSML147I SENT: FILE spoolid ON LINK linkid
DMTSML149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS= nnn; TMOUTS= ppp
DMTSML160I LINE vaddr DISABLED FOR LINK linkid
DMTSML170I FROM linkid: (MSG message text)
DMTSML190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid
DMTSML510I FILE spoolid BACKSPACED
DMTSML511E NO FILE ACTIVE ON LINK linkid
DMTSML570I LINK linkid NOW SET TO DEACTIVATE

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DMTSML571E LINK linkid ALREADY SET TO DEACTIVATE
DMTSML580I FILE spoolid PROCESSING TERMINATED
DMTSML581E FILE spoolid NOT ACTIVE
DMTSML590I LINK linkid RESUMING FILE TRANSFER
DMTSML591E LINK linkid NOT IN HOLD STATUS
DMTSML600I FILE spoolid FORWARD SPACED
DMTSML610I LINK linkid TO SUSPEND FILE TRANSMISSION
DMTSML611I LINK linkid FILE TRANSMISSION SUSPENDED
DMTSML612E LINK linkid ALREADY IN HOLD STATUS
DMTSML801I LINK linkid ERROR TRACE STARTED
DMTSML802I LINK linkid TRACE STARTED
DMTSML803I LINK linkid TRACE ENDED
DMTSML810E LINK linkid TRACE ALREADY ACTIVE
DMTSML811E LINK linkid TRACE NOT ACTIVE
DMTSML901E INVALID SML MODE SPECIFIED -- LINK (linkid) NOT ACTIVATED
DMTSML902E NON-SIGNON CARD READ ON LINK linkid
DMTSML903E PASSWORD SUPPLIED ON LINK linkid IS INVALID
DMTSML905I SIGNON OF LINKID linkid COMPLETE
DMTSML906E INVALID SML BUFFER PARAMETER -- LINK (linkid) NOT ACTIVATED
DMTSML934E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED
DMTSML935E LINK (linkid) IN RJE MODE -- PRINT FILE (spoolid) PURGED
DMTSML936E NO REMOTE PUNCH AVAILABLE ON LINK linkid -- FILE spooled PURGED
DMTSML937E DECOMPRESSION ERROR ON linkid -- LINK DEACTIVATED
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IPCS Message Summary

DMMCPA805I 'nnn' ABEND CODE NOT RECOGNIZED BY DATA EXTRACTION

DMMDSC500S ERROR 'nnn' WRITING TO VIRTUAL PRINTER
DMMDSC700I TYPE 'HELP' OR ENTER
DMMDSC701R ENTER DUMP NUMBER AND MODE
DMMDSC719I ERROR 'nnn' IN FSSTATE 'filename filetype fm'
DMMDSC720I LOAD MAP ALREADY PRESENT
DMMDSC721I &NAME TABLE IS FULL
DMMDSC722I INVALID ENTRY INTO &NAME TABLE
DMMDSC723I THE DUMP IS NOT ON THE A-DISK

DMMFED702I NON-HEX CHARACTER IN COUNT - RETRY
DMMFED703I NON-HEX CHARACTER IN ADDRESS - RETRY

DMMFEX704I NON-HEX CHARACTER IN ADDRESS - RETRY

DMMGET100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMGET708I PAGE 'page' NOT FOUND IN DUMP

DMMGRC100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMGRC809I REQUESTED ADDRESS NOT IN DUMP

DMMHEX714I NON-HEX CHARACTER IN INPUT - RETRY

DMMINI100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMINI200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
DMMINI300S ERROR 'nnn' ON FSSTATE 'filename filetype fm'
DMMINI400S ERROR 'nnn' CLOSING 'filename filetype fm'
DMMINI800S DATA EXTRACTION FAILURE
DMMINI803S ERROR 'nnn' ATTEMPTING TO LOADMOD VMFDUMP2

DMMIOB712I DEVICE 'cuu' NOT FOUND
DMMIOB713I USER 'userid' VMBLOK NOT FOUND

DMMLOC715I NON-HEX CHARACTER IN STRING
DMMLOC716I STRING 'string'}NOT FOUND|NOT FOUND BEFORE END OF DUMP{
DMMLOC717I INVALID FORM OF LOCATE COMMAND

DMMMAP200S ERROR 'nnn' WRITING FILE 'filename filetype fm'

DMMMAP801I NUC MAP 'filename filetype fm' IS NOT VALID FOR THIS DUMP.
DMMMAP802I PROCEEDING....
DMMMAP806R ENTER 'filename filetype fm' OF NUCLEUS LOAD MAP OR ENTER NULL
DMMMAP807I UNABLE TO LOCATE 'filename filetype fm'
DMMMAP808I NUCLEUS MAP INVALID 'filename filetype fm'
DMMMAP810I ERROR 'nnn' READING FILE 'fileid'

DMMMOD100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMMOD705E ERROR IN ITEM TABLE
DMMMOD706I 'entry name' NOT FOUND IN THE LOAD MAP
DMMMOD707I 'module' 'page' PAGE NOT VALID
DMMMOD718I THIS DUMP HAS NO LOAD MAP - SEE MAP SUBCOMMAND

DMMPRM200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
DMMPRM804I PROCESSING ERROR IN DATA EXTRACTION

DMMPRO100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMPRO200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
DMMPRO300S ERROR 'nnn' ON FSSTATE 'filename filetype fm'

DMMREG100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMREG724I {AP} REGISTERS REQUESTED FOR UNIPROCESSOR DUMP
DMMREG724I {MP} REGISTERS REQUESTED FOR UNIPROCESSOR DUMP

DMMSCR709I NO VALID SCROLL ADDRESS

DMMSEA100S ERROR 'nnn' READING FILE 'filename filetype fm'

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DMMSTA100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMSTA200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
DMMSTA601I OPERAND 'operand' NOT RECOGNIZED

DMMSUM100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMSUM200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
DMMSUM501S INVALID PARM 'badparm' PASSED TO SUMMARY UPDATE PROGRAM
DMMSUM502S PROBLEM 'PRBnnnnn' NOT FOUND IN SYMPTOM SUMMARY

DMMTRC710I NON-NUMERIC COUNT CHARACTER - RETRY

DMMVMB711I LOOP IN VMBLOK CHAIN

DMMWRT200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
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Appendix C: Message-to-Module Cross-Reference

This appendix contains all the VM/370 message identifiers, listed in numerical order vertically. Use this appendix when you want to find out which modules issue a given message. Find the message number within its component code group (CP, CMS, RSCS, or IPCS); all the message identifiers with the same number appear together.

Note: Messages shown in this appendix are not qualified with program product identifiers, refer to the message section of this book to establish ownership.

CP Message Summary

DMKCFC001E	DMKCDS005E	DMKTRA013E	DMKVDA023E
	DMKCPB005E		
DMKCFC002E		DMKCFO020E	DMKDEF024E
DMKCFG002E	DMKCFO006E	DMKCPV020E	
DMKCFT002E	DMKCFS006E	DMKCQG020E	DMKDEF025E
DMKMCC002E	DMKCFT006E	DMKCQP020E	
DMKMCD002E	DMKCPB006E	DMKCQR020E	DMKCDB026E
DMKMNI002E	DMKCPV006E	DMKCQY020E	DMKCDS026E
DMKNES002E	DMKCQP006E	DMKCSP020E	DMKCFC026E
DMKNET002E	DMKCSB006E	DMKCSU020E	DMKCFD026E
DMKNLD002E	DMKCSO006E	DMKDIA020E	DMKCFG026E
DMKSPT002E	DMKCSP006E	DMKLNK020E	DMKCFH026E
DMKTHI002E	DMKCST006E	DMKLOG020E	DMKCFO026E
DMKTRA002E	DMKCSU006E	DMKMSG020E	DMKCFS026E
	DMKDIA006E	DMKQVM020E	DMKCFT026E
DMKCDB003E	DMKMCC006E	DMKUSO020E	DMKCPB026E
DMKCDM003E	DMKNES006E	DMKVDA020E	DMKCPS026E
DMKCFG003E	DMKNET006E	DMKVDD020E	DMKCPV026E
DMKCFO003E	DMKNLD006E		DMKCQR026E
DMKCFS003E	DMKNLE006E	DMKCFD021E	DMKCQY026E
DMKCPS003E	DMKSPT006E	DMKCFO021E	DMKCSB026E
DMKCPV003E	DMKVDA006E	DMKCPS021E	DMKCSP026E
DMKCQP003E	DMKVDD006E	DMKCPU021E	DMKCST026E
DMKCQR003E		DMKCPV021E	DMKCSU026E
DMKCSB003E	DMKCPV007E	DMKCQP021E	DMKDEF026E
DMKCSO003E	DMKCSP007E	DMKCSB021E	DMKMCC026E
DMKCSP003E	DMKCSU007E	DMKCSO021E	DMKMCD026E
DMKCST003E		DMKMCC021E	DMKMCH026E
DMKCSU003E	DMKCSU008E	DMKMCD021E	DMKNES026E
DMKDEF003E	DMKSPT008E	DMKNES021E	DMKNET026E
DMKLOG003E		DMKNET021E	DMKNLD026E
DMKMCC003E	DMKCDB009E	DMKNLD021E	DMKSPM026E
DMKMCH003E	DMKCDM009E	DMKNLE021E	DMKSPS026E
DMKMSG003E	DMKCPV009E	DMKSPT021E	DMKTHI026E
DMKNET003E	DMKNES009E	DMKVDA021E	DMKTRA026E
DMKNLE003E	DMKNET009E	DMKVDD021E	
DMKSPT003E			DMKCQG027E
DMKTHI003E	DMKCDB010E	DMKCFD022E	DMKCST027E
DMKTRA003E	DMKCDS010E	DMKCFG022E	DMKCSU027E
DMKUSO003E		DMKCPB022E	
DMKVDA003E	DMKDIA011E	DMKCQG022E	DMKCQG028E
		DMKCQP022E	DMKCQR028E
DMKCDB004E	DMKCDS012E	DMKCSB022E	DMKCSB028E
DMKCDM004E	DMKCPB012E	DMKCSP022E	DMKCSO028E
DMKCDS004E		DMKCST022E	DMKCSP028E
DMKCFC004E	DMKCFG013E	DMKDEF022E	DMKCSU028E
DMKCFD004E	DMKCFO013E	DMKDIA022E	DMKSPS028E
DMKCPV004E	DMKCSB013E	DMKLNK022E	
DMKNES004E	DMKCSO013E	DMKVDA022E	DMKCSP029E
DMKNET004E	DMKCSP013E	DMKVDD022E	DMKCSU029E
	DMKCSU013E	DMKVMI022E	

DMK

DMKCSO030E	DMKVDA045E	DMKDEF077E	DMKVDA120E
DMKCSP030E	DMKVDD045E		
DMKCSU030E		DMKCFV080E	DMKVDA121E
	DMKCFO046E	DMKLOG080E	DMKVDD121E
DMKCSB031E	DMKCFS046E		
	DMKCFP046E	DMKLOG081W	DMKVDA122E
DMKCSP032E	DMKCPV046E		
DMKCSU032E	DMKCSB046E	DMKCFV082E	DMKCPS123E
	DMKCSO046E	DMKLOG082E	DMKVDA123E
DMKCDM033E	DMKMCC046E		DMKVDD123E
DMKCDS033E	DMKNES046E	DMKCFG083E	
DMKCPV033E	DMKNET046E		DMKCPS124E
DMKNET033E	DMKNLD046E	DMKVDA086E	DMKVDA124E
	DMKNLE046E		DMKVDD124E
DMKVCH034E	DMKSPT046E	DMKSSS088I	
DMKVDA034E	DMKVDA046E		DMKVDA125E
	DMKVDD046E	DMKLOG090E	
DMKCSU035E			DMKVDA126E
	DMKDIA047E	DMKDEF091E	
DMKCSB036E		DMKLOG091E	DMKVDA127E
	DMKVCH048E		
DMKSPS037E		DMKLOG092E	DMKVDA128E
DMKSPS037E	DMKCPS049E		
	DMKNES049E	DMKLOG093E	DMKVCH129E
DMKCFD040E	DMKNET049E		
DMKCFO040E		DMKDEF094E	DMKVCH130E
DMKCFG040E	DMKLOG050E		
DMKCPB040E		DMKDEF095E	DMKCPI131I
DMKCPS040E	DMKLOG051E	DMKLOG095E	DMKLOG131E
DMKCPV040E			DMKVDA131E
DMKCQG040E	DMKCFS052E	DMKDIA098E	
DMKCQP040E	DMKLNK052E	DMKNES098E	DMKVCH132E
DMKCSB040E	DMKLOG052E	DMKNET098E	
DMKCSO040E			DMKVDA133E
DMKCSP040E	DMKCFS053E	DMKLNK101W	
DMKCST040E	DMKCSP053E		DMKVDA134E
DMKDEF040E	DMKCSU053E	DMKLNK102W	DMKVDD134E
DMKDIA040E	DMKLNK053E		
DMKMCC040E	DMKLOG053E	DMKLNK103W	DMKVDA135E
DMKMCD040E			DMKVDD135E
DMKNES040E	DMKLOG054E	DMKLNK104E	
DMKNET040E			DMKDEF136E
DMKNLD040E	DMKDIA055E	DMKLNK105E	
DMKNLE040E			DMKLNK137E
DMKSPT040E	DMKDIA056E	DMKLNK106E	
DMKVDA040E			DMKVCH138E
DMKVDD040E	DMKMSG057W	DMKLNK107E	
			DMKLNK139E
DMKCFO041E	DMKALG059E	DMKLNK108E	DMKVDA139E
DMKCQG042E	DMKCDM060E	DMKLNK109E	DMKCFO140E
DMKCST042E			DMKCPS140E
DMKCSU042E	DMKCDM061E	DMKLNK110E	DMKCPV140E
			DMKCSB140E
DMKCSB043E	DMKCFV062E	DMKLNK111E	DMKCSO140E
			DMKMCC140E
DMKCFG044E	DMKCFV063E	DMKLNK112E	DMKNES140E
DMKCFH044E			DMKNET140E
DMKNLD044E	DMKVAT064E	DMKLNK113E	DMKNLD140E
DMKCFS044E			DMKNLE140E
DMKSNC044E	DMKLOG067E	DMKLNK114E	DMKSPT140E
			DMKVDA140E
DMKCFO045E	DMKSSS070E	DMKALG115E	DMKVDD140E
DMKCFS045E		DMKLNK115E	
DMKCPV045E	DMKSSS071E		DMKCSO141E
DMKCQG045E		DMKLNK116E	
DMKCQP045E	DMKSSS072E		DMKCPS142E
DMKCQR045E		DMKLNK117E	DMKCSB142E
DMKCQY045E	DMKSSS074E		DMKVDA142E
DMKDIA045E		DMKLNK118E	DMKVDD142E
DMKMSG045E	DMKSSS075E		
DMKTHI045E		DMKLNK119E	DMKCFO143E
DMKUSO045E	DMKVDA076E		DMKCPS143E

DMKMCC143E	DMKTRA180W	DMKMNI225E	DMKSAV350W
DMKNLD143E			
DMKNLE143E	DMKATS181E	DMKMCD226E	DMKSAV351W
DMKSPT143E			
DMKVDA143E	DMKTRA182E	DMKMCD227E	DMKSAV352W
DMKVDD143E			
	DMKCFS183E	DMKMCD228E	DMKSAV353W
DMKCPS144W			
	DMKCFO184E	DMKMIA229E	DMKCKS400I
DMKJRL145I	DMKCFS184E		DMKPGT400I
		DMKVMI230E	
DMKCSB148E	DMKCPI185E		DMKCKS401I
		DMKVMI231E	DMKPGT401I
DMKCDB160E	DMKCFO186E		
DMKCDM160E		DMKVMI232E	DMKPTR410W
DMKCDS160E	DMKCFS187E		
DMKCFD160E		DMKVMI233E	DMKPAG415E
DMKCPV160E	DMKCFO188E		
DMKNES160E	DMKCFS188E	DMKVMI234E	DMKACO425A
DMKNET160E	DMKLOG188E		DMKACO425E
		DMKRSE240E	
DMKCDS161E	DMKCFS189I	DMKTCS240E	DMKRSP426E
DMKVMA161E	DMKLOG189I		DMKSPS426E
		DMKRSE241E	
DMKCDS162E	DMKCFS190I	DMKTCS241E	DMKVSP427I
DMKCDS162W			
	DMKCPU191E	DMKRSE242E	DMKRSP428E
DMKCDS163E			
	DMKCPS192E	DMKCSO243E	DMKVSP429I
DMKCDS164E	DMKCPU192E	DMKCSP243E	
DMKCFD164E		DMKCSU243E	DMKRSP430A
DMKCFP164E	DMKCPU193I		
		DMKCSO244E	DMKRSP431A
DMKCPV165I	DMKCPU194I		
		DMKCSO245E	DMKRSP432A
DMKCDS166E	DMKBLD200E	DMKCSP245E	
		DMKCSU245E	DMKRSP433A
DMKCFG170E	DMKBLD201E		
DMKCFH170E		DMKCSO246E	DMKRSP434A
DMKCFS170E	DMKBLD202E	DMKCSP246E	
DMKNLD170E	DMKCPV202E	DMKCSU246E	DMKCFH435E
			DMKCFP435E
DMKCFG171E	DMKCFG203E	DMKNMT247I	DMKSNC435E
DMKCFH171E	DMKCPV203E		
DMKCFS171E		DMKNMT248E	DMKCFH436E
DMKNLD171E	DMKCPV204E		
DMKSNC171E		DMKNMT249E	DMKCLK437E
	DMKMCC211E		
DMKCFG172E		DMKCFO250E	DMKDSP450W
DMKCFH172E	DMKMCD212E	DMKCFS250E	
		DMKLOG250E	DMKDSP452W
DMKCFG173E	DMKMCC213E		
DMKCFH173E		DMKCFS251E	DMKPRG453W
	DMKMCD214E	DMKLOG251E	
DMKCFG174E			DMKCNS454I
	DMKMCC215E	DMKRSE252I	DMKRGA454I
DMKCFG175E			DMKRNH454I
DMKCFO175E	DMKMCC216E	DMKCSP253E	
DMKCFS175E		DMKCSU253E	DMKCNS455I
DMKNES175E	DMKMCC217E		DMKRGA455I
		DMKNMT254E	
DMKCPV176E	DMKMCD218E		DMKVMA456W
		DMKRSE255I	
DMKCFG177E	DMKMON219I	DMKCFO255W	DMKNLD460E
			DMKNLE460E
DMKSNC178E	DMKMON220I	DMKNMT256E	
			DMKNLD461R
DMKCFG179E	DMKMCD222E	DMKNMT257E	DMKNLE461R
DMKCFH179E			
DMKCFP179E	DMKMCD223E	DMKCFH300E	DMKRNH462I
DMKCFS179E			
DMKSNC179E	DMKMCD224E	DMKMID310E	DMKRNH463I

DMKNLE464I	DMKTAP510I	DMKCCH601I	DMKDDR717R
DMKRNH464I			
	DMKTAP511I	DMKCCH602I	DMKDDR718E
DMKRNH465I			
DMKVDS465W	DMKTAP512I	DMKCCH603W	DMKDDR719E
DMKCQP466I	DMKDAS513I	DMKCCH605I	DMKDDR720E
	DMKTAP513I		
DMKRNH468I		DMKMCH610W	DMKDDR721E
	DMKDAS514D	DMKMCT610W	
DMKNLE469E			DMKDDR722E
	DMKBSC516I	DMKMCH611W	
DMKNLD470E	DMKDAS516I	DMKMCT611W	DMKDDR723E
DMKNLE470E	DMKTAP516I		
		DMKMCH612W	DMKDDR724E
DMKNLD471E	DMKDAS517E	DMKMCT612W	
DMKNLE471E	DMKBSC517I		DMKDDR725R
	DMKTAP517I	DMKMCH613I	
DMKUDR475I			DMKDDR726E
	DMKDAS518I	DMKMCH614I	
DMKBSC500I	DMKTAP518I		DMKDDR727E
DMKCNS500I		DMKMCH615I	
DMKDAS500I	DMKTAP519I		DMKFMT730E
DMKGRF500I		DMKMCH616I	
DMKRSE500I	DMKRSE520A	DMKMCT616I	DMKFMT732E
DMKTAP500I	DMKBSC520I		
	DMKDAS520I	DMKMCH617I	DMKFMT733E
DMKBSC501A	DMKRSE520I		
DMKDAS501A	DMKTAP520I	DMKMCH618I	DMKFMT734E
DMKRSE501A			
DMKTAP501A	DMKGRF521I	DMKMCH619I	DMKFMT735E
DMKCNS501I	DMKRSE521I	DMKMCT619I	
DMKRSE501I	DMKTAP521I		DMKFMT736E
		DMKMCT620I	
DMKBSC502I	DMKTAP522I		DMKFMT737E
DMKCNS502I		DMKMCT621I	
DMKDAS502I	DMKTAP523I		DMKFMT738A
DMKGRF502I		DMKMCH622W	
DMKRSE502I	DMKRSE524I		DMKFMT739E
DMKTAP502I		DMKDDR700E	
	DMKGRF525I		DMKFMT740E
DMKRSE503A	DMKRSE525I	DMKDDR701E	
DMKBSC503I			DMKDIR751E
DMKCNS503I	DMKTAP526I	DMKDDR702E	
DMKDAS503I			DMKDIR752E
DMKGRF503I	DMKBSC527I	DMKDDR703E	
DMKRSE503I	DMKCNS527I		DMKDIR753E
DMKTAP503I		DMKDDR704E	
	DMKBSC528I		DMKDIR754E
DMKRSE504A	DMKCNS528I	DMKDDR705E	
DMKDAS504D		DMKRGA705I	DMKDIR755E
DMKTAP504D	DMKGRF529I		
DMKBSC504I	DMKRSE529I	DMKNES706E	DMKDDR756E
DMKCNS504I			DMKDIR756E
DMKDAS504I	DMKDAU530I	DMKDDR707E	DMKFMT756E
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DMKRSE504I	DMKIOF550E	DMKDDR708E	DMKDIR757E
DMKRSE505A	DMKIOG551E	DMKDDR709E	DMKDIR758E
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DMKBSC505I			
DMKCNS505I	DMKIOG553I	DMKDDR711R	DMKDIR761E
DMKDAS505I			
	DMKIOG558I	DMKDDR712E	DMKDIR762E
DMKDAS506I			
	DMKIOG559W	DMKDDR713E	DMKDIR763E
DMKDAS507D			
	DMKIOG560W	DMKDDR714E	DMKDIR764E
DMKDAS508I			
DMKRSE508I	DMKIOG561W	DMKDDR715E	DMKQVM800E
DMKDAS509I	DMKVER575I	DMKDDR716R	DMKQVM801E

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DMKQVM803E	DMKRND861E	DMKCKP910W	DMKCPI951I
DMKSPM804E	DMKRND863E	DMKCKP911W	DMKCPI952I
DMKQVM805E	DMKCKP900W	DMKCKS912W	DMKCPI953I
		DMKWRM912W	
DMKQVM806E	DMKCKP901W	DMKCPI913I	DMKCPI954E
DMKQVM807E	DMKCKP902W	DMKCKS915E	DMKCPI955W
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DMKQVM809E	DMKWRM904W	DMKCKS917E	DMKCPI957I
		DMKCKS917E	
DMKRND850I	DMKDMP905W	DMKWRM920I	DMKCPI958I
DMKRND851I	DMKDMP906W	DMKWRM921W	DMKCPI959W
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			DMKCPI960I
DMKRND853I	DMKDMP908I		DMKCKP961W
			DMKCPI961W
			DMKCLK970W

CMS Message Summary

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DMSARN001E	DMSCPY003E	DMSARX007E	DMSMOD021E
DMSARX001E	DMSDLB003E	DMSASM007E	DMSNCP021E
DMSASM001E	DMSDLK003E	DMSDLK007E	DMSDSV021W
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DMSDLK001E	DMSDSV003E	DMSIFC007E	DMSGND022E
DMSERV001E	DMSEDI003E	DMSLKD007E	DMSDSV022W
DMSEXC001E	DMSERS003E	DMSSYN007E	
DMSLBM001E	DMSFET003E	DMSUPD007E	DMSDLB023E
DMSLBT001E	DMSFLD003E	DMSZAP007E	DMSFLD023E
DMSLIO001E	DMSFOR003E		DMSIFC023E
DMSLKD001E	DMSGRN003E	DMSPRT008E	DMSTPE023E
DMSMDP001E	DMSHLP003E	DMSPUN008E	DMSDSV023W
DMSMOD001E	DMSLBD003E	DMSRDC008E	
DMSNCP001E	DMSLBM003E	DMSARN008W	DMSCPY024E
DMSRUN001E	DMSLBT003E	DMSLKD008W	DMSEDI024E
DMSTMA001E	DMSLDS003E		DMSRNM024E
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DMSZAP001E	DMSLLU003E	DMSDSK009E	DMSDSV024W
	DMSLST003E	DMSSRT009E	
DMSACC002E	DMSMOD003E	DMSTYP009E	DMSNCP025E
DMSAMS002E	DMSMVE003E		DMSDSV025W
DMSARN002E	DMSNCP003E	DMSCMP010E	
DMSARX002E	DMSPRT003E	DMSTPE010E	DMSQRY026E
DMSASM002E	DMSPRV003E	DMSUPD010W	DMSSET026E
DMSCMP002E	DMSPUN003E		DMSDSV026W
DMSCPY002E	DMSRNM003E	DMSCMP011E	
DMSDSK002E	DMSRRV003E		DMSASN027E
DMSDSL002E	DMSSRV003E	DMSARN012W	DMSDSV027E
DMSERS002E	DMSSYN003E	DMSLKD012W	DMSERV027E
DMSERV002E	DMSTMA003E		DMSFLD027E
DMSGRN002E	DMSTPD003E	DMSLBT013E	DMSTLB027E
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DMSIFC002E	DMSTYP003E	DMSPRT013E	DMSDSV027W
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DMSLBT002E	DMSZAP003E	DMSTYP013E	DMSARE028E
DMSLDS002E		DMSDSL013W	DMSASN028E
DMSLIO002E	DMSDOS004E	DMSLBM013W	DMSFOR028E
DMSLKD002E	DMSFET004E		DMSDSV028W
DMSLST002E	DMSPRV004E	DMSDSK014E	
DMSMDP002E	DMSRRV004E	DMSDSL014E	DMSASN029E
DMSMOD002E	DMSSRV004E	DMSGLB014E	DMSCMP029E
DMSMVE002E	DMSARN004W	DMSLBM014E	DMSCPY029E
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DMSPRT002E		DMSOVR014E	DMSFET029E
DMSPUN002E	DMSCMP005E	DMSQRY014E	DMSFLD029E
DMSRNM002E	DMSDLB005E	DMSSET014E	DMSLBD029E
DMSRUN002E	DMSFOR005E	DMSTPE014E	DMSLIO029E
DMSSLN002E	DMSLIO005E	DMSZAP014E	DMSPRT029E
DMSSRT002E	DMSLKD005E		DMSTPE029E
DMSSTT002E	DMSMOD005E	DMSINT015E	DMSTYP029E
DMSSYN002E	DMSQRY005E		
DMSTPE002E	DMSTYP005E	DMSFCH016E	DMSCPY030E
DMSTYP002E		DMSARN016W	DMSRNM030E
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DMSZAP002W	DMSLKD006E		DMSSVT033E
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DMSAMS003E	DMSRRV006E	DMSSRT019E	DMSSRT034E
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DMSARX003E	DMSVMF006E	DMSDMP020W	DMSASN035E
DMSASM003E			DMSFLD035E
DMSASN003E	DMSAMS007E	DMSGND021E	DMSVMF035E

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	DMSLST048E	DMSTYP062E	DMSRRV070E
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DMSCPY037E	DMSPRT048E	DMSSRT063E	DMSSET070E
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DMSDSL037E	DMSRUN048E	DMSCPY064E	DMSSRV070E
DMSERS037E	DMSSET048E		DMSSSK070E
DMSERV037E	DMSSTT048E	DMSAMS065E	DMSSTT070E
DMSFOR037E	DMSTPE048E	DMSASN065E	DMSTMA070E
DMSLBM037E	DMSUPD048E	DMSCPY065E	DMSTPE070E
DMSLST037E		DMSDLB065E	DMSUPD070E
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DMSRNM037E	DMSFLD050E		DMSERS071E
DMSSRT037E	DMSSET050E	DMSAMS066E	
DMSTPE037E		DMSASN066E	DMSEXT072E
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DMSXCP037E		DMSDLB066E	DMSMVE073E
	DMSARX052E	DMSDSV066E	
DMSARX038E	DMSASM052E	DMSFLD066E	DMSARX074E
DMSASM038E		DMSLBD066E	DMSASM074E
	DMSSRT053E	DMSLST066E	
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DMSTYP039E	DMSCPY054E		DMSMVE075E
	DMSDSK054E	DMSCPY067E	
DMSMOD040E	DMSEDI054E		DMSEDI076E
	DMSERS054E	DMSCPY068E	
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	DMSPRT054E	DMSARE069E	
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DMSRDC042E	DMSRDC054E	DMSBOP069E	DMSGRN078E
DMSTPE042E	DMSRNM054E	DMSDSL069E	
	DMSSRT054E	DMSERS069E	DMSINI079E
DMSBOP043E	DMSSTT054E	DMSFOR069E	
DMSCLS043E	DMSTYP054E	DMSLDS069E	DMSINI080E
DMSTLB043E		DMSLST069E	DMSINI080E
DMSTPE043E	DMSLIO055E	DMSMVE069E	
DMSXCP043E		DMSSTT069E	DMSINI081E
	DMSLBM056E	DMSUPD069E	
DMSEDI044E	DMSLBT056E	DMSVGN069E	DMSINI082E
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DMSPUN044E	DMSNCP056E		DMSINI083E
	DMSSYN056E	DMSAMS070E	DMSINI083E
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	DMSLBT056W	DMSARX070E	DMSMOD084E
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DMSDSV047E	DMSTLB058E	DMSDSV070E	
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DMS

DMSCMS095E	DMSDSK105S	DMSACC113S	DMSAMS136S
DMSDOS095E	DMSDSL105S	DMSAMS113S	DMSITS136T
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DMSGEN095E	DMSEDI105S	DMSBOP113S	DMSTMA137S
	DMSLBM105S	DMSCIO113S	DMSITS137T
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	DMSLIO105S	DMSDBG113S	DMSTMA138S
DMSPRV097E	DMSLLU105S	DMSFCH113S	DMSITS138T
DMSRRV097E	DMSLST105S	DMSFOR113S	
DMSSRV097E	DMSMOD105S	DMSPIO113S	DMSTMA139S
	DMSPRV105S	DMSPRV113S	DMSITS139T
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DMSRRV098E	DMSSRV105S	DMSTPE113S	DMSITS140T
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DMSINS098W	DMSTPE105S	DMSXCP113S	DMSGEN141S
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DMSDLK099E	DMSXCP105S		DMSITP142T
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DMSERV099E	DMSBTP106E	DMSTPE115S	DMSEDI143S
DMSFET099E	DMSLBT106S		DMSITP143T
DMSLIO099E		DMSLIO116S	
DMSLLU099E	DMSBTP107E	DMSMOD116S	DMSEDI144S
DMSOPT099E	DMSBWR107S		DMSITP144T
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DMSRRV099E	DMSGLB108S		DMSPIO145S
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DMSSRV099E	DMSBTP109E	DMSPUN118S	DMSABN148T
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	DMSAMS109S	DMSSVT119S	DMSABN149T
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	DMSFCH109S		DMSABN152T
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	DMSNCP109S		
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	DMSSMN109S	DMSPUN123S	
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DMSMOD104S	DMSCMS110E		
DMSOVR104S	DMSGEN110E	DMSMVE129S	DMSXCP161S
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DMSTPE104S	DMSVPD110S	DMSEDI132S	
DMSTYP104S			DMSFRE164T
DMSUPD104S	DMSCMS111E	DMSSMN133S	
DMSVMF104S	DMSGEN111E	DMSSTG133S	DMSFRE165T
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	DMSZAP210E		
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			DMSVGN369R
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	DMSLBM213W	DMSDLB304E	DMSVGN382R
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	DMSFLD220R		DMSVIB400S
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	DMSFLD221E	DMSDLB320I	DMSSET401S
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		DMSLBD324I	DMSPRV411S
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		DMSQRY324I	DMSSRV411S
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	DMSMVE226I	DMSDLB330R	
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		DMSSET333E	DMSDOS413S
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	DMSSTT228I	DMSVGN360E	DMSFLD420E
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	DMSSTT229E	DMSVGN360R	DMSTPD420E
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	DMSACC230W	DMSVGN361R	DMSTLB422E
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		DMSVGN363I	
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	DMSDSV245S		
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		DMSVGN364I	
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		DMSVGN365I	DMSSEB429I
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DMSRDC205W			DMSTLB430E
	DMSHLP250S	DMSASN366E	
DMSLIO206W		DMSVGN366I	DMSTLB431E
	DMSHLP251E	DMSVGN366R	DMSTPE431E
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	DMSHLP252E	DMSVGN367I	DMSTLB432E
DMSZAP208E		DMSVPD367I	
	DMSFOR253E	DMSAMS367R	DMSTLB433R

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DMSTLB434E	DMSINI611R	DMSCPY721I	DMSIFC826E
DMSTLB435R	DMSINI612R	DMSAMS722I	DMSIFC828I
DMSTLB436I	DMSINI615R	DMSACC723I	DMSIFC829W
DMSTLB437I	DMSRDC701I	DMSACC724I	DMSREA830E
DMSSET444E	DMSTPE701I	DMSACC725I	DMSIFC831E
DMSCPY601R	DMSRDC702I	DMSACC726I	DMSIFC832S
DMSCPY602R	DMSTPD703I	DMSDBG728I	DMSCPY901T
DMSFOR603R	DMSFLD704I	DMSFOR732I	DMSINI902T
	DMSLBD704I		
DMSSRT604R	DMSFOR705I	DMSFOR733I	DMSCPY903T
DMSFOR605R	DMSMVE706I	DMSRDC738I	DMSCPY904T
DMSINI606R	DMSTPD707I	DMSLIO740I	DMSDIO905S
DMSINI607R	DMSMVE708I	DMSZAP750I	DMSHLP907T
			DMSLBM907T
DMSINI608R	DMSFET710I	DMSZAP751I	DMSLIO907T
DMSINI609R	DMSSYN711I	DMSFCH777S	DMSFNS908T
DMSINI609R			
	DMSSYN712I	DMSIFC825E	DMSFNS909T
DMSINI610R			
DMSINI610R	DMSCMS715I		DMSRUN999E
	DMSGEN715I		

RSCS MESSAGE SUMMARY

DMTREX000I	DMTCMX205E	DMTCMX550I	DMTCMX701E
DMTCMX001I	DMTCMX206E	DMTCMX551E	DMTCMX702E
DMTREX002I	DMTCMX207E	DMTCMX552E	DMTCMX703E
DMTCMX003I	DMTCMX208E	DMTCMX560I	DMTCMX704E
DMTREX091T	DMTCMX300I	DMTCMX561E	DMTCMX705E
DMTAXS101I	DMTCMX301E	DMTNPT570I DMTSML570I	DMTCMX706E
DMTAXS102I	DMTCMX302E		DMTCMX707E
DMTAXS103E	DMTCMX303E	DMTNPT571E DMTSML571E	DMTCMX708E
DMTAXS104I	DMTCMX304E	DMTNPT580I DMTSML580I	DMTCMX709E
DMTAXS105I	DMTINI402T		DMTCMX710E
DMTAXS106I	DMTINI406R	DMTNPT581E DMTSML581E	DMTCMX750E
DMTAXS107I	DMTINI407R	DMTNPT590I DMTSML590I	DMTCMX751I
DMTAXS108E DMTNPT108E DMTSML108E	DMTINI409R DMTINI410R	DMTNPT591E DMTSML591E	DMTCMX752I DMTNPT801I DMTSML801I
DMTNPT141I DMTSML141I	DMTINI431S DMTINI479E	DMTNPT600I DMTSML600I	DMTNPT802I DMTSML802I
DMTNPT142I DMTSML142I	DMTINI480E	DMTNPT610I DMTSML610I	DMTNPT803I DMTSML803I
DMTNPT143I DMTSML143I	DMTINI481E DMTINI482E	DMTNPT611I DMTSML611I	DMTNPT810E DMTSML810E
DMTNPT144I DMTSML144I	DMTINI483E	DMTNPT612E DMTSML612E	DMTNPT811E DMTSML811E
DMTNPT145I DMTSML145I	DMTNPT510I DMTSML510I	DMTAXS640I DMTCMX651I	DMTSML901E
DMTNPT146I DMTSML146I	DMTNPT511E DMTSML511E	DMTCMX652I DMTCMX652I	DMTNPT902E
DMTNPT147I DMTSML147I	DMTAXS520I DMTAXS521I	DMTCMX653I	DMTSML902E DMTNPT903E DMTSML903E
DMTNPT149I DMTSML149I	DMTAXS522I	DMTCMX654I DMTCMX660I	DMTNPT904E
DMTNPT160I DMTSML160I	DMTAXS523I DMTAXS524E	DMTCMX661I	DMTNPT905I DMTSML905I
DMTNPT170I DMTSML170I	DMTAXS525E	DMTCMX662I DMTCMX663I	DMTSML906E DMTNPT907E
DMTNPT190E DMTSML190E	DMTAXS526E DMTNPT530I	DMTCMX664E DMTCMX670I	DMTNPT934E DMTSML934E
DMTCMX200I DMTCMX201E	DMTCMX540I DMTCMX541I	DMTCMX671I DMTCMX672I	DMTSML935E DMTNPT936E
DMTCMX202E DMTCMX203E	DMTCMX542E DMTCMX543E	DMTCMX673I	DMTSML937E
DMTCMX204E	DMTCMX544E	DMTCMX700I	

DMM

<u>IPCS MESSAGE SUMMARY</u>

DMMGET100S	DMMSTA601I	DMMIOB712I	DMMREG724I
DMMGRC100S			
DMMINI100S	DMMDSC700I	DMMIOB713I	DMMINI800S
DMMMOD100S			
DMMPRO100S	DMMDSC701R	DMMHEX714I	DMMMAP801I
DMMREG100S			
DMMSEA100S	DMMFED702I	DMMLOC715I	DMMMAP802I
DMMSTA100S			
DMMSUM100S	DMMFED703I	DMMLOC716I	DMMINI803S
DMMINI200S	DMMFEX704I	DMMLOC717I	DMMPRM804I
DMMMAP200S			
DMMPRM200S	DMMMOD705E	DMMMOD718I	DMMCPA805I
DMMPRO200S			
DMMSTA200S	DMMMOD706I	DMMDSC719I	DMMMAP806R
DMMSUM200S			
DMMWRT200S	DMMMOD707I	DMMDSC720I	DMMMAP807I
DMMINI300S	DMMGET708I	DMMDSC721I	DMMMAP808I
DMMPRO300S			
	DMMSCR709I	DMMDSC722I	DMMGRC809I
DMMINI400S			
	DMMTRC710I	DMMDSC723I	DMMMAP810I
DMMDSC500S			
	DMMVMB711I		
DMMSUM501S			
DMMSUM502S			

Appendix D: Message Text-to-Message Identifier Cross-Reference

This appendix contains the first lines of all the VM/370 messages, grouped by CP, CMS, RSCS, and IPCS and organized in alphamerical order by message text. Messages starting with a lowercase word such as nnnnnK, type, and userid will have variable information inserted, such messages are listed prior to messages starting with uppercase letters. If you do not issue CP command SET EMSG ON, any messages that are displayed will appear without message identifier, only text. Use this appendix to look up the text of the message and find its identifier, so that you can find the description of the message in the body of the book.

Note: Messages shown in this appendix are not qualified with program product identifiers, refer to the message section of this book to establish ownership.

CP Message Summary

DMKTRA182E (reserved for IBM use)

DMKVSP429I {CON|PRT|PUN} vaddr SPOOL ERROR; FILE PURGED
DMKVSP427I {CON|PRT|PUN} vaddr SYSTEM SPOOL SPACE FULL; FILE CLOSED

DMKDEF024E {CYLS|BLKS} MISSING OR INVALID

DMKNES046E {DEV rid|type raddr} OFFLINE
DMKNET046E {DEV rid|type raddr} OFFLINE
DMKSPT046E {DEV rid|type raddr} OFFLINE

DMKCFG175E {FAVORED|RESERVE|NETWORK TRACE} ALREADY IN USE BY userid
DMKCFO175E {FAVORED|RESERVE|NETWORK TRACE} ALREADY IN USE BY userid
DMKCFS175E {FAVORED|RESERVE|NETWORK TRACE} ALREADY IN USE BY userid
DMKCFG175E {FAVORED|RESERVE|NETWORK TRACE|name} ALREADY IN USE BY userid
DMKCFO175E {FAVORED|RESERVE|NETWORK TRACE|name} ALREADY IN USE BY userid
DMKCFS175E {FAVORED|RESERVE|NETWORK TRACE|name} ALREADY IN USE BY userid

DMKMCH618I {INSTRUCTION RETRY|MAIN STORAGE} NOW IN {RECORD|QUIET} MODE cpuid

DMKSPS428E {PRT|PUN|RDR} raddr SPOOL ERROR; FILE {HELD|PURGED}
DMKSPS428E {PRT|PUN|RDR|TAPE} raddr SPOOL ERROR; FILE {HELD|PURGED}

DMKRSE504A {RDR|PRT} 'addr' DATA CK CMD='cm' SNS='sense'

DMKRSE502I {RDR|PRT|PUN} 'addr' BUSOUT CK CMD='cm' SNS='sense'
DMKRSE520I {RDR|PRT|PUN} 'addr' CHAN ERROR CMD='cm' SNS='sense'
DMKRSE500I {RDR|PRT|PUN} 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKRSE504I {RDR|PRT|PUN} 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw'
DMKRSE503A {RDR|PRT|PUN} 'addr' EQUIP CK CMD='cm' SNS='sense'
DMKRSE503I {RDR|PRT|PUN} 'addr' EQUIP CK CMD='cm' SNS='sense'
DMKRSE525I {RDR|PRT|PUN} 'addr' FORMAT CK CMD='cm' SNS='sense'
DMKRSE501A {RDR|PRT|PUN} 'addr' INT REQ
DMKRSE501I {RDR|PRT|PUN} 'addr' INT REQ CMD='cm' SNS='sense'
DMKRSE524I {RDR|PRT|PUN} 'addr' LOAD CHECK CMD='cm' SNS='sense'
DMKRSE521I {RDR|PRT|PUN} 'addr' NO DEVICE CMD='cm' SNS='sense'
DMKRSE529I {RDR|PRT|PUN} 'addr' PARITY CK CMD='cm' SNS='sense'
DMKRSE508I {RDR|PRT|PUN} 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKRSE520A {RDR|PRT|PUN} 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'

DMKSPS426E {RDR|TAPE} raddr SPOOL SPACE FULL; FILE PURGED

DMKCFC001E ?CP: command

DMKCPI952I nnnnnK SYSTEM STORAGE

DMKVDA122E type raddr ALREADY ATTACHED TO userid

DMKCFO140E type raddr ATTACHED TO userid
DMKCPS140E type raddr ATTACHED TO userid
DMKCPV140E type raddr ATTACHED TO userid
DMKCSB140E type raddr ATTACHED TO userid
DMKCSO140E type raddr ATTACHED TO userid
DMKMCC140E type raddr ATTACHED TO userid

DMK

DMKNET140E type raddr ATTACHED TO userid
DMKVDA140E type raddr ATTACHED TO userid
DMKVDD140E type raddr ATTACHED TO userid

DMKCSB148E type raddr BUFFER LOAD name FAILED

DMKCFO143E type raddr IN USE BY SYSTEM
DMKCPS143E type raddr IN USE BY SYSTEM
DMKMCC143E type raddr IN USE BY SYSTEM
DMKVDA143E type raddr IN USE BY SYSTEM

DMKCSO141E type raddr NOT ACTIVE

DMKVDD121E type raddr NOT ATTACHED TO userid
DMKVDA121E type raddr NOT ATTACHED TO userid
DMKVDA120E type raddr NOT ATTACHED; userid vaddr ALREADY DEFINED

DMKCPS142E type raddr NOT DRAINED
DMKCSB142E type raddr NOT DRAINED

DMKCFO046E type raddr OFFLINE
DMKCFP046E type raddr OFFLINE
DMKCPV046E type raddr OFFLINE
DMKCSB046E type raddr OFFLINE
DMKCSO046E type raddr OFFLINE
DMKMCC046E type raddr OFFLINE
DMKNLD046E type raddr OFFLINE
DMKNLE046E type raddr OFFLINE
DMKVDA046E type raddr OFFLINE
DMKVDD046E type raddr OFFLINE

DMKSPT140E type raddr ATTACHED TO userid
DMKSPT143E type raddr IN USE BY SYSTEM
DMKCPS144W type vaddr RESET BY userid

DMKDIA047E userid vaddr DOES NOT EXIST
DMKLNK110E userid vaddr NOT LINKED; type vaddr ALREADY DEFINED
DMKLNK118E userid vaddr NOT LINKED; COMMAND FORMAT NOT VALID
DMKLNK109E userid vaddr NOT LINKED; INVALID LINK DEVICE
DMKLNK113E userid vaddr NOT LINKED; NO MULT PASSWORD
DMKLNK111E userid vaddr NOT LINKED; NO READ PASSWORD
DMKLNK112E userid vaddr NOT LINKED; NO WRITE PASSWORD
DMKLNK107E userid vaddr NOT LINKED; NOT IN CP DIRECTORY
DMKLNK114E userid vaddr NOT LINKED; PASSWORD INCORRECT
DMKLNK104E userid vaddr NOT LINKED; R/O BY {nnn USERS|userid}
DMKLNK105E userid vaddr NOT LINKED; R/W BY {nnn USERS|userid}
DMKLNK106E userid vaddr NOT LINKED; R/W BY nnn USERS; R/O BY {nnn USERS|userid}
DMKLNK108E userid vaddr NOT LINKED; VOLID volid NOT MOUNTED

DMKCFS053E userid NOT IN CP DIRECTORY
DMKCSP053E userid NOT IN CP DIRECTORY
DMKCSU053E userid NOT IN CP DIRECTORY
DMKLNK053E userid NOT IN CP DIRECTORY
DMKLOG053E userid NOT IN CP DIRECTORY

DMKCFO045E userid NOT LOGGED ON
DMKCFS045E userid NOT LOGGED ON
DMKCPV045E userid NOT LOGGED ON
DMKCQG045E userid NOT LOGGED ON
DMKCQP045E userid NOT LOGGED ON
DMKCQR045E userid NOT LOGGED ON
DMKCQY045E userid NOT LOGGED ON
DMKDIA045E userid NOT LOGGED ON
DMKMSG045E userid NOT LOGGED ON
DMKTHI045E userid NOT LOGGED ON
DMKUSO045E userid NOT LOGGED ON
DMKVDA045E userid NOT LOGGED ON
DMKVDD045E userid NOT LOGGED ON

DMKMSG057W userid NOT RECEIVING; {DISCONNECTED|MSG OFF|SMSG OFF|NOT AUTHORIZED|WNG OFF}

DMKCFS189I AFFINITY NOT SET; SYSTEM IN UNIPROCESSOR MODE
DMKLOG189I AFFINITY NOT SET; SYSTEM IN UNIPROCESSOR MODE

DMKLOG054E ALREADY LOGGED ON {LINE|GRAF} raddr

DMKCPI959W ATTACHED PROCESSOR NOT ONLINE
DMKCPI958I ATTACHED PROCESSOR NOT OPERATIONAL

DMKCPI950A AUTO LOGON FAILED; EXPLICIT LOGON REQUIRED

DMKALG059E AUTOLOG FAILED FOR userid-{IPL MISSING|IPL FAILED|ACCOUNTING ERROR}
DMKALG115E AUTOLOG INVALID; EXCESSIVE INCORRECT PASSWORDS

DMKCSB043E BUFFER name DOES NOT EXIST
DMKCSB031E BUFFER MISSING OR INVALID

DMKCDS166E CHANGED SHARED PAGE NOT WRITTEN TO AUXILIARY STORAGE

DMKVCH132E CHANNEL x ALREADY DEFINED BY userid
DMKVCH129E CHANNEL x DEVICES IN USE
DMKVCH048E CHANNEL x DOES NOT EXIST
DMKVCH130E CHANNEL x NOT ATTACHED TO userid
DMKVCH138E CHANNEL x NOT ATTACHED; INSUFFICIENT FREE STORAGE

DMKCCH605I CHANNEL CHECK RECORDING FAILURE
DMKCCH601I CHANNEL CONTROL CHECK DEV xxx; USER 'userid'
DMKCCH603W CHANNEL ERROR; RUN SEREP, RESTART SYSTEM

DMKVCH034E CHANNEL MISSING OR INVALID
DMKVDA034E CHANNEL MISSING OR INVALID
DMKVDD134E CHANNEL MISSING OR INVALID

DMKCSO245E CHARS MISSING OR INVALID
DMKCSP245E CHARS MISSING OR INVALID
DMKCSU245E CHARS MISSING OR INVALID

DMKCKS917E CHECKPOINT CYLINDER INVALID; CLEAR STORAGE AND COLD START
DMKCKS917E CHECKPOINT CYLINDER INVALID; CLEAR STORAGE AND COLD START

DMKCQG028E CLASS MISSING OR INVALID
DMKCQR028E CLASS MISSING OR INVALID
DMKCSB028E CLASS MISSING OR INVALID
DMKCSO028E CLASS MISSING OR INVALID
DMKCSP028E CLASS MISSING OR INVALID
DMKCSU028E CLASS MISSING OR INVALID
DMKSPS028E CLASS MISSING OR INVALID
DMKSPS028E CLASS MISSING OR INVALID

DMKLOG067E COMMAND FORMAT NOT VALID
DMKQVM800E COMMAND REJECTED, OTHER VIRTUAL MACHINES LOGGED ON
DMKQVM802E COMMAND REJECTED, DEVICES NOT DEDICATED
DMKQVM803E COMMAND REJECTED, SPOOL DEVICES NOT DRAINED
DMKQVM806E COMMAND REJECTED, VIRTUAL ADDRESS NOT EQUAL TO REAL ADDRESS
DMKQVM807E COMMAND REJECTED, VM/370 ATTACHED PROCESSOR MODE
DMKQVM809E COMMAND REJECTED, TRACE/ADSTOP IN EFFECT

DMKCFG013E CONFLICTING OPTION - option
DMKCFO013E CONFLICTING OPTION - option
DMKCSB013E CONFLICTING OPTION - option
DMKCSO013E CONFLICTING OPTION - option
DMKCSP013E CONFLICTING OPTION - option
DMKCSU013E CONFLICTING OPTION - option
DMKTRA013E CONFLICTING OPTION - option

DMKCNS502I CONS 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS500I CONS 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS504I CONS 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS503I CONS 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS501I CONS 'addr' INT REQ
DMKCNS527I CONS 'addr' LOST DATA CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS528I CONS 'addr' TIMEOUT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS505I CONS 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'

DMKPAG415E CONTINUOUS PAGING ERRORS FROM DASD xxx

DMKDDR702E CONTROL STATEMENT SEQUENCE ERROR

DMK

DMKCSO030E COPIES MISSING OR INVALID
DMKCSP030E COPIES MISSING OR INVALID
DMKCSU030E COPIES MISSING OR INVALID

DMKCPI185E CP ASSIST LEVEL xx DOES NOT MATCH CP LEVEL yy
DMKCFO186E CP ASSIST NOT AVAILABLE

DMKVMA456W CP ENTERED; name SHARED PAGE hexloc ALTERED
DMKDSP450W CP ENTERED; DISABLED WAIT PSW 'psw'
DMKDSP452W CP ENTERED; EXTERNAL INTERRUPT LOOP
DMKPTR410W CP ENTERED; PAGING ERROR
DMKPRG453W CP ENTERED; PROGRAM INTERRUPT LOOP

DMKCPI913I CP OWNED VOLID xxxxxx INVALID FOR 3330V
DMKCPI951I CP VOLID volid NOT MOUNTED

DMKRNH463I CTLR 'raddr' UNIT CHECK; RESTART IN PROGRESS

DMKCQP466I CTLR cuu IN BUFFER SLOWDOWN MODE

DMKNES140E CTLR raddr ATTACHED TO userid
DMKNLD140E CTLR raddr ATTACHED TO userid
DMKNLE140E CTLR raddr ATTACHED TO userid

DMKNLE464I CTLR raddr CC=3; DEPRESS 370x "LOAD" BUTTON
DMKRNH464I CTLR raddr CC=3; DEPRESS 370X "LOAD" BUTTON
DMKRNH468I CTLR raddr COMMUNICATIONS SCANNER FAILURE

DMKNLE470E CTLR raddr DUMP FAILED: PAGING I/O ERROR
DMKNLE460E CTLR raddr DUMP FAILED: PROGRAM CHECK
DMKNLE469E CTLR raddr DUMP FAILED: TEMP SPACE NOT AVAILABLE
DMKNLE471E CTLR raddr DUMP FAILED: UNRECOVERABLE I/O ERROR

DMKVDS465E CTLR raddr EMULATOR LINES IN USE BY SYSTEM

DMKNLD143E CTLR raddr IN USE BY SYSTEM
DMKNLE143E CTLR raddr IN USE BY SYSTEM

DMKNLD461R CTLR raddr IPL NOT REQUIRED; ENTER 'YES' TO CONTINUE
DMKNLE461R CTLR raddr IPL NOT REQUIRED; ENTER "YES" TO CONTINUE

DMKNLD470E CTLR raddr LOAD FAILED: PAGING I/O ERROR
DMKNLD460E CTLR raddr LOAD FAILED: PROGRAM CHECK
DMKNLD471E CTLR raddr LOAD FAILED: UNRECOVERABLE I/O ERROR
DMKRNH462I CTLR raddr UNIT CHECK; IPL REQUIRED

DMKDEF024E CYLS MISSING OR INVALID

DMKDAS514D DASD 'addr' ADDMRK CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS516I DASD 'addr' BAD SENSE CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS516I DASD   'addr'   BAD   SENSE   CMD='cm'   SNS='sense'   CSW='csw'   USERID='userid'
           [{BBCCHH='bbcchh'|BLOCK='nnnnn'}]
DMKDAS502I DASD 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS520I DASD 'addr' CHAN ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS520I DASD   'addr'   CHAN   ERROR   CMD='cm'   SNS='sense'   CSW='csw'   USERID='userid'
           [{BBCCHH='bbcchh'|BLOCK='nnnnn'}]
DMKDAU530I DASD 'addr' CHECK DATA CMD='cm' SNS='sense' CSW='csw' USERID='userid' BLOCK='nnnnn'
DMKDAS500I DASD 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS504D DASD 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS504I DASD 'addr' DATA CK CMD='cm' SNS='sense' CSW='CSW' USERID='userid' BBCCHH='bbcchh'
DMKDAS503I DASD 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS513I DASD 'addr' FILE PROT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS513I DASD   'addr'   FILE   PROT   CMD='cm'   SNS='sense'   CSW='csw'   USERID='userid'
           [{BBCCHH='bbcchh'|BLOCK='nnnnn'}]
DMKDAS501A DASD 'addr' INT REQ CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS517E DASD 'addr' NOT/KNOWN CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS517E DASD   'addr'   NOT/KNOWN   CMD='cm'   SNS='sense'   CSW='csw'   USERID='userid'
           [{BBCCHH='bbcchh'|BLOCK='nnnnn'}]

DMKDAS505D DASD 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS505D DASD   'addr'   OVERRUN   CK   CMD='cm'   SNS='sense'   CSW='csw'   USERID='userid'
           [{BBCCHH='bbcchh'|BLOCK='nnnnn'}]
DMKDAS505I DASD 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid' BBCCHH='bbcchh'

```
DMKDAS505I DASD   'addr'   OVERRUN   CK   CMD='cm'   SNS='sense'   CSW='csw'   USERID=   'userid'
           [ {BBCCHH='bbcchh'|BLOCK='nnnnnn'} ]

DMKDAS508I DASD 'addr' PERM ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS518I DASD 'addr' RECV ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKDAS518I DASD 'addr' RECV ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid' [ {BBCCHH='bbcchh'
           |BLOCK='nnnnnn'} ]
DMKDAS507D DASD 'addr' SEEK CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS506I DASD 'addr' TRKCOND CK CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'
DMKDAS509I DASD 'addr' TRKOVERUN CMD='cm' SNS='sense' CSW='csw' USERID='userid' BBCCHH='bbcchh'


DMKLNK139E DASD addr NOT LINKED; 3330V NOT ACCEPTED AS SYSTEM VOLUME
DMKDAS956A DASD cuu VOLID volid NOT MOUNTED; NOW OFFLINE
DMKDSB956A DASD cuu VOLID volid NOT MOUNTED; NOW OFFLINE


DMKCPS123E DASD raddr CP OWNED
DMKVDA123E DASD raddr CP OWNED
DMKVDD123E DASD raddr CP OWNED


DMKVDA128E DASD raddr ERROR READING ALLOCATION RECORD
DMKVDA126E DASD raddr ERROR READING VOLID


DMKCPS124E DASD raddr IN USE BY nnn USERS
DMKVDA124E DASD raddr IN USE BY nnn USERS
DMKVDD124E DASD raddr IN USE BY nnn USERS


DMKVDA139E DASD raddr NOT ATTACHED; 3330V NOT ACCEPTED AS SYSTEM VOLUME
DMKVDA133E DASD raddr NOT READY


DMKSAV351W DASD raddr SYSRES NOT READY
DMKSAV350W DASD raddr SYSRES VOLID NOT aaaaaa


DMKVDA125E DASD raddr VOLID volid ALREADY ATTACHED TO SYSTEM
DMKVDA127E DASD raddr VOLID volid DOES NOT MATCH
DMKCPI954E DASD raddr VOLID volid NOT MOUNTED; DUPLICATE OF DASD raddr


DMKLNK101W DASD vaddr FORCED R/O; R/O BY {nnn USERS|userid}
DMKLNK102W DASD vaddr FORCED R/O; R/W BY {nnn USERS|userid}
DMKLNK103W DASD vaddr FORCED R/O; R/W BY {nnn USERS|userid}; R/O BY {nnn USERS|userid}


DMKDEF091E DASD vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE
DMKLOG091E DASD vaddr NOT DEFINED; TEMP SPACE NOT AVAILABLE
DMKLNK137E DASD vaddr NOT LINKED; CHAN x DEDICATED


DMKDDR717R DATA DUMPED FROM volid1 TO BE RESTORED TO  volid2.skDO YOU WISH TO CONTINUE? RESPOND YES
           NO OR REREAD:


DMKMID310E DATE date INVALID; NOT CHANGED


DMKCPD040E DEV addr DOES NOT EXIST
DMKCFG040E DEV addr DOES NOT EXIST
DMKCFO040E DEV addr DOES NOT EXIST
DMKCPB040E DEV addr DOES NOT EXIST
DMKCPS040E DEV addr DOES NOT EXIST
DMKCPV040E DEV addr DOES NOT EXIST
DMKCQG040E DEV addr DOES NOT EXIST
DMKCQP040E DEV addr DOES NOT EXIST
DMKCSB040E DEV addr DOES NOT EXIST
DMKCSO040E DEV addr DOES NOT EXIST
DMKCSP040E DEV addr DOES NOT EXIST
DMKCST040E DEV addr DOES NOT EXIST
DMKDEF040E DEV addr DOES NOT EXIST
DMKDIA040E DEV addr DOES NOT EXIST
DMKMCC040E DEV addr DOES NOT EXIST
DMKMCD040E DEV addr DOES NOT EXIST
DMKNES040E DEV addr DOES NOT EXIST
DMKNET040E DEV addr DOES NOT EXIST
DMKNLD040E DEV addr DOES NOT EXIST
DMKNLE040E DEV addr DOES NOT EXIST
DMKVDA040E DEV addr DOES NOT EXIST
DMKVDD040E DEV addr DOES NOT EXIST
DMKSPT040E DEV addr DOES NOT EXIST


DMKDDR710A DEV cuu INTERVENTION REQUIRED
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DMKFMT738A DEV cuu INTERVENTION REQUIRED

DMKDDR704E DEV cuu NOT OPERATIONAL
DMKDIR754E DEV cuu NOT OPERATIONAL
DMKFMT730E DEV cuu NOT OPERATIONAL OR NOT READY

DMKRNH454I DEV rid DISABLED

DMKDIA098E DEV rid MODE SWITCH NOT POSSIBLE
DMKNES098E DEV rid MODE SWITCH NOT POSSIBLE
DMKNET098E DEV rid MODE SWITCH NOT POSSIBLE

DMKCFS046E DEV type raddr OFFLINE

DMKLOG092E DEV vaddr NOT DEFINED; type vaddr ALREADY DEFINED
DMKDEF136E DEV vaddr NOT DEFINED; CHAN x DEDICATED
DMKLOG090E DEV vaddr NOT DEFINED; DEV {raddr|volser} NOT AVAILABLE
DMKLOG093E DEV vaddr NOT DEFINED; ERROR IN CP DIRECTORY
DMKDEF095E DEV vaddr NOT DEFINED; INSUFFICIENT FREE STORAGE
DMKLOG095E DEV vaddr NOT DEFINED; INSUFFICIENT FREE STORAGE

DMKSSS075E DEVICE 'raddr' IS NOT AVAILABLE

DMKSSS072E DEVICE NOT AVAILABLE - 'raddr' NOT PROPER TYPE
DMKSSS071E DEVICE NOT AVAILABLE - MSS CANNOT BE ACCESSED
DMKSSS070E DEVICE NOT AVAILABLE - MSS DEVICES ALLOCATED

DMKCSU035E DEVICE TYPE MISSING OR INVALID

DMKDIR762E DIRECTORY STATEMENT MISSING

DMKCSP032E DIST CODE MISSING OR INVALID
DMKCSU032E DIST CODE MISSING OR INVALID

DMKCDM060E DUMP FAILED; VIRTUAL PRINTER UNAVAILABLE
DMKCDM061E DUMP FAILED; VIRTUAL PRINTER ERROR
DMKRND861E DUMP FILE filename NOT FOUND

DMKDIR758E DUPLICATE UNIT DEFINITION

DMKCFV062E ECMODE NOT SET ON

DMKMON219I END OF MONITOR TAPE, MONITOR STOPPED BY SYSTEM

DMKCKS916E ERROR ALLOCATING SPOOL FILE BUFFERS

DMKDDR720E ERROR IN routine
DMKDIR764E ERROR IN routine

DMKCFS052E ERROR IN CP DIRECTORY
DMKLNK052E ERROR IN CP DIRECTORY
DMKLOG052E ERROR IN CP DIRECTORY

DMKNMT249E ERROR LOADING IMAG imag
DMKMON220I ERROR ON MONITOR TAPE, MONITOR STOPPED BY SYSTEM

DMKIOG553I ERROR RECORDING AREA CLEARED; USER 'userid'
DMKIOG551E ERROR RECORDING AREA FULL; RUN CPEREP.
DMKIOF550E ERROR RECORDING AREA 90 PERCENT FULL; RUN CPEREP

DMKNMT254E ERROR SAVING imag3800 - RC = (rc)

DMKSAV352W FATAL DASD I/O ERROR
DMKFMT735E FATAL DASD IO ERROR

DMKRND860I FATAL I/O ERROR READING DUMP
DMKRND852I FATAL I/O ERROR WRITING DUMP
DMKIOG558I FATAL I/O ERROR; ERROR RECORDING DISABLED
DMKUDR475I FATAL IO ERROR TRYING TO READ DIRECTORY

DMKCSO246E FCB MISSING OR INVALID
DMKCSP246E FCB MISSING OR INVALID
DMKCSU246E FCB MISSING OR INVALID

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DMKFMT739E FLAGGED PRIMARY TRACK HAS NO ALTERNATE ASSIGNED;IO ERROR FOLLOWS
DMKDDR727E FLAGGED TRK xxxxxxxxx HAS NO PROPER ALTERNATE; SKIPPING THIS TRK

DMKCSO243E FLASH MISSING OR INVALID
DMKCSP243E FLASH MISSING OR INVALID
DMKCSU243E FLASH MISSING OR INVALID

DMKCSP029E FNAME FTYPE MISSING OR INVALID
DMKCSU029E FNAME FTYPE MISSING OR INVALID

DMKMCD227E FOR OPTION INVALID WITH AUTODISK OFF
DMKMCD228E FOR OPTION INVALID WITH MONITOR ON
DMKMCD226E FOR VALUE MIDNIGHT - COMMAND INVALID

DMKIOG552I FORMATTING ERROR RECORDING AREA

DMKQVM801E FREE STORAGE PAGE IS NOT AVAILABLE

DMKGRF502I GRAF 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw'
DMKGRF500I GRAF 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw'
DMKGRF504I GRAF 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw'
DMKGRF503I GRAF 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw'
DMKGRF525I GRAF 'addr' FORMAT CK CMD='cm' SNS='sense' CSW='csw'
DMKGRF521I GRAF 'addr' NO DEVICE CMD='cm' SNS='sense' CSW='csw'
DMKGRF529I GRAF 'addr' PARITY CK CMD='cm' SNS='sense' CSW='csw'

DMKCDB160E HEXLOC hexloc EXCEEDS STORAGE
DMKCDM160E HEXLOC hexloc EXCEEDS STORAGE
DMKCDS160E HEXLOC hexloc EXCEEDS STORAGE
DMKCFD160E HEXLOC hexloc EXCEEDS STORAGE
DMKCPV160E HEXLOC hexloc EXCEEDS STORAGE
DMKNES160E HEXLOC hexloc EXCEEDS STORAGE
DMKNET160E HEXLOC hexloc EXCEEDS STORAGE

DMKCDS164E HEXLOC hexloc NON-ADDRESSABLE STORAGE
DMKCFD164E HEXLOC hexloc NON-ADDRESSABLE STORAGE
DMKCFP164E HEXLOC hexloc NON-ADDRESSABLE STORAGE

DMKCDM033E HEXLOC MISSING OR INVALID
DMKCDS033E HEXLOC MISSING OR INVALID
DMKCPV033E HEXLOC MISSING OR INVALID
DMKNET033E HEXLOC MISSING OR INVALID

DMKVER575I I/O ERROR ADD=raddr, USERID= userid
DMKRGA705I I/O ERROR RESID=resource id STATUS=status LINE=addr
DMKACO425E I/O ERROR DURING ACCOUNTING

DMKCSO244E IMAGE LIBRARY MISSING OR INVALID

DMKCSB036E INDEX MISSING OR INVALID

DMKDDR724E INPUT TAPE CONTAINS A CP NUCLEUS DUMP
DMKDDR700E INPUT UNIT IS NOT A CPVOL

DMKCPI131E INSUFFICIENT FREE STORAGE
DMKLOG131E INSUFFICIENT FREE STORAGE
DMKVDA131E INSUFFICIENT FREE STORAGE AVAILABLE FOR ATTACH REQUEST
DMKCPI955W INSUFFICIENT STORAGE FOR VM/370
DMKNMT256E INSUFFICIENT VIRTUAL STORAGE

DMKCCH602I INTERFACE CONTROL CHECK DEV  xxx; USER 'userid'

DMKCFH436E INTERRUPT PENDING TO PROCEED, TYPE YES. TO END, TYPE NO

DMKCFO006E INVALID DEVICE TYPE - addr
DMKCFS006E INVALID DEVICE TYPE - addr
DMKCFT006E INVALID DEVICE TYPE - addr
DMKCPB006E INVALID DEVICE TYPE - addr
DMKCPV006E INVALID DEVICE TYPE - addr
DMKCQP006E INVALID DEVICE TYPE - addr
DMKCSB006E INVALID DEVICE TYPE - addr
DMKCSO006E INVALID DEVICE TYPE - addr
DMKCSP006E INVALID DEVICE TYPE - addr
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DMKCST006E INVALID DEVICE TYPE - addr
DMKCSU006E INVALID DEVICE TYPE - addr
DMKDIA006E INVALID DEVICE TYPE - addr
DMKMCC006E INVALID DEVICE TYPE - addr
DMKNES006E INVALID DEVICE TYPE - addr
DMKNET006E INVALID DEVICE TYPE - addr
DMKNLD006E INVALID DEVICE TYPE - addr
DMKNLE006E INVALID DEVICE TYPE - addr
DMKVDA006E INVALID DEVICE TYPE - addr
DMKVDD006E INVALID DEVICE TYPE - addr
DMKSPT006E INVALID DEVICE TYPE - addr
DMKDIA011E INVALID DEVICE TYPE - userid vaddr

DMKCDS162E INVALID ECR x - hexdata
DMKCDS162W INVALID ECR x - hexdata

DMKDDR719E INVALID FILE NAME OR FILE NOT FOUND
DMKDIR763E INVALID FILENAME OR FILE NOT FOUND

DMKCDS005E INVALID HEXDATA - hexdata
DMKCPB005E INVALID HEXDATA - hexdata

DMKCDB004E INVALID HEXLOC - hexloc
DMKCDM004E INVALID HEXLOC - hexloc
DMKCFC004E INVALID HEXLOC - hexloc
DMKCPD004E INVALID HEXLOC - hexloc
DMKCPV004E INVALID HEXLOC - hexloc
DMKNES004E INVALID HEXLOC - hexloc
DMKNET004E INVALID HEXLOC - hexloc
DMKCDS004E INVALID HEXLOC - operand

DMKDDR708E INVALID INPUT OR OUTPUT DEFINITION
DMKMNI225E INVALID MONITOR USERID SPECIFIED, MON NOT STARTED

DMKFMT737E INVALID OPERAND
DMKCFC002E INVALID OPERAND - operand
DMKCFG002E INVALID OPERAND - operand
DMKCFT002E INVALID OPERAND - operand
DMKDDR701E INVALID OPERAND - operand
DMKMCC002E INVALID OPERAND - operand
DMKMCD002E INVALID OPERAND - operand
DMKMNI002E INVALID OPERAND - operand
DMKNES002E INVALID OPERAND - operand
DMKNET002E INVALID OPERAND - operand
DMKNLD002E INVALID OPERAND - operand
DMKSPT002E INVALID OPERAND - operand
DMKTHI002E INVALID OPERAND - operand
DMKTRA002E INVALID OPERAND - operand
DMKDIR751E INVALID OPERAND - xxxxxx

DMKCDB003E INVALID OPTION - option
DMKCDM003E INVALID OPTION - option
DMKCFG003E INVALID OPTION - option
DMKCFO003E INVALID OPTION - option
DMKCFS003E INVALID OPTION - option
DMKCPS003E INVALID OPTION - option
DMKCPV003E INVALID OPTION - option
DMKCQP003E INVALID OPTION - option
DMKCQR003E INVALID OPTION - option
DMKCSB003E INVALID OPTION - option
DMKCSO003E INVALID OPTION - option
DMKCSP003E INVALID OPTION - option
DMKCST003E INVALID OPTION - option
DMKCSU003E INVALID OPTION - option
DMKDEF003E INVALID OPTION - option
DMKLOG003E INVALID OPTION - option
DMKMCC003E INVALID OPTION - option
DMKMCH003E INVALID OPTION - option
DMKMSG003E INVALID OPTION - option
DMKNET003E INVALID OPTION - option
DMKNLE003E INVALID OPTION - option
DMKTHI003E INVALID OPTION - option
DMKTRA003E INVALID OPTION - option
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DMKUSO003E INVALID OPTION - option
DMKVDA003E INVALID OPTION - option
DMKSPT003E INVALID OPTION - option

DMKCPV204E INVALID PAGE(S) SPECIFIED, V=R AREA
DMKRND863E INVALID PARAMETER - parameter

DMKCDS012E INVALID PSW - psw
DMKCPB012E INVALID PSW - psw

DMKCDB009E INVALID RANGE - range
DMKCDM009E INVALID RANGE - range
DMKCPV009E INVALID RANGE - range
DMKNES009E INVALID RANGE - range
DMKNET009E INVALID RANGE - range

DMKCDB010E INVALID REGISTER - register
DMKCDS010E INVALID REGISTER - register

DMKVDA077E INVALID REQUEST FOR DEVICE 'nnn'

DMKCSU008E INVALID SPOOLID -spoolid
DMKSPT008E INVALID SPOOLID - spoolid

DMKCPV007E INVALID USERID - userid
DMKCSP007E INVALID USERID - userid
DMKCSU007E INVALID USERID - userid

DMKFMT736E IO ERROR cuu CCHHR = cchhr SENSE = sense
DMKFMT736E IO ERROR cuu {CCHHR = cchhr|BLOCK = nnnnnn} SENSE = sense
DMKDDR705E IO ERROR cuu CSW csw SENSE sense INPUT bbcchh OUTPUT bbcchh CCW ccw
DMKDDR705E IO ERROR cuu CSW csw SENSE sense INPUT {bbcchh|nnnnnn} OUTPUT bbcchh CCW ccw
DMKDIR755E IO ERROR cuu CSW csw SENSE sense

DMKVMI233E IPL OVERLAY ERROR
DMKVMI234E IPL SENSE ERROR
DMKVMI230E IPL SIO ERROR
DMKVMI231E IPL TIO ERROR
DMKVMI232E IPL UNIT ERROR; CSW csw SNS sense

DMKMCD224E LIMIT MUST BE BETWEEN 10 and 50000

DMKCPS049E LINE (addr) IN USE
DMKBSC516I LINE 'addr' BAD SENSE CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC502I LINE 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKCNS455I LINE 'addr' CC=3 NOT OPERATIONAL
DMKRGA455I LINE 'addr' CC=3 NOT OPERATIONAL
DMKBSC520I LINE 'addr' CHAN ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC500I LINE 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC504I LINE 'addr' DATA CK CMD='cm' SNS='sense' CSW='CSW' USERID='userid'
DMKBSC503I LINE 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC501A LINE 'addr' INT REQ
DMKBSC527I LINE 'addr' LOST DATA CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC517I LINE 'addr' NOT/KNOWN CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC505I LINE 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKBSC528I LINE 'addr' TIMEOUT CMD='cm' SNS='sense' CSW='csw' USERID='userid'

DMKRGA454I LINE addr DISABLED
DMKNES049E LINE addr IN USE
DMKNET049E LINE addr IN USE
DMKNES706E LINE addr NOT ENABLED

DMKCNS454I LINE raddr DISABLED
DMKDIA056E LINE vaddr BUSY ON userid

DMKRNH465I LINE TRACE TERMINATED DUE TO ERROR
DMKDIA055E LINE(S) NOT AVAILABLE ON userid

DMKLNK115E LINK INVALID; EXCESSIVE INCORRECT PASSWORDS

DMKDDR715E LOCATION bbcchh IS A FLAGGED TRACK

DMKCFO041E LOGMSG nn DOES NOT EXIST
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DMK

DMKMCH615I MACHINE CHECK RECORDING FAILURE cpuid

DMKDDR707E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE
DMKDIR757E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE
DMKFMT732E MACHINE CHECK RUN SEREP AND SAVE OUTPUT FOR CE

DMKMCH610W MACHINE CHECK SUPERVISOR DAMAGE cpuid
DMKMCH611W MACHINE CHECK SYSTEM INTEGRITY LOST cpuid
DMKMCH612W MACHINE CHECK TIMING FACILITIES DAMAGE; RUN SEREP cpuid

DMKMCT621I MACHINE CHECK; AFFINITY SET OFF cpuid
DMKMCT620I MACHINE CHECK; ATTACHED PROCESSOR NOT BEING USED cpuid
DMKMCH617I MACHINE CHECK; BUFFER OR DLAT DAMAGE cpuid
DMKMCH614I MACHINE CHECK; DAMAGED PAGE NOW DELETED cpuid
DMKMCH622W MACHINE CHECK; MULTIPLE CHANNEL ERRORS
DMKMCH619I MACHINE CHECK; OPERATION TERMINATED cpuid
DMKMCT619I MACHINE CHECK; OPERATION TERMINATED cpuid
DMKMCT610W MACHINE CHECK; SUPERVISOR DAMAGE cpuid
DMKMCT611W MACHINE CHECK; SYSTEM INTEGRITY LOST cpuid
DMKMCT612W MACHINE CHECK; TIMING FACILITIES DAMAGE cpuid
DMKMCH616I MACHINE CHECK; USER userid TERMINATED cpuid
DMKMCT616I MACHINE CHECK; USER userid TERMINATED cpuid

DMKLOG051E MAXIMUM USERS EXCEEDED

DMKMCD212E MINITOR TAPE IS NOT ACTIVE

DMKSSS074E MISSING INTERRUPT - DEVICE 'raddr'

DMKCSP253E MODIFY MISSING OR INVALID
DMKCSU253E MODIFY MISSING OR INVALID

DMKMCC215E MONITOR ACTIVE; DASTAP CANNOT BE ENABLED DYNAMICALLY
DMKMCC213E MONITOR CPTRACE IS ALREADY ACTIVE
DMKMCD218E MONITOR NOT STOPPED, OUTSTANDING TAPE I/O
DMKMIA229E MONITOR OUT OF DASD PAGES, IS SHUTTING OFF
DMKMCC211E MONITOR TAPE IS ALREADY ACTIVE
DMKMCC217E MONITOR TAPE NOT STARTED, NO CLASS ENABLED
DMKMCD214E MONTIOR CPTRACE IS NOT ACTIVE

DMKIOG561W MORE THAN 50 MCH OR CCH FRAMES WERE READ FROM THE SRF

DMKLOG082E MORE THAN ONE VMSAVE AREA ALLOCATED, MUST SPECIFY AREA NAME
DMKCFV082E MORE THAN ONE VMSAVE AREA ALLOCATED; MUST SPECIFY AREA NAME

DMKDDR726E MOVING DATA INTO THE ALTERNATE TRACK CYLINDER(S) IS PROHIBITED

DMKSSS088I MSS MOUNT PROCEEDING FOR VOLUME 'volid'

DMKNES175E NETWORK TRACE ALREADY IN USE BY userid

DMKCFS190I NO AFFINITY SPECIFIED IN THE DIRECTORY
DMKCLK437E NO DASD SPACE AVAILABLE - IPL TERMINATED
DMKRND853I NO DUMP FILES EXIST
DMKLOG080E NO PREALLOCATED VMSAVE AREA
DMKCFV080E NO PREALLOCATED VMSAVE AREA
DMKDDR723E NO VALID CP NUCLEUS ON THE INPUT UNIT
DMKDDR716R NO VOL1 LABEL FOUND [FOR volser] DO YOU WISH TO CONTINUE? RESPOND YES OR NO OR REREAD:
DMKWRM920I NO WARM START DATA; CKPT START FOR RETRY

DMKDIR760E NOT ENOUGH SPACE ALLOCATED FOR DIRECTORY

DMKDDR712E NUMBER OF EXTENTS EXCEEDS 20

DMKDDR703E OPERAND MISSING
DMKDIR753E OPERAND MISSING

DMKCDB026E OPERAND MISSING OR INVALID
DMKCDS026E OPERAND MISSING OR INVALID
DMKCFC026E OPERAND MISSING OR INVALID
DMKCFD026E OPERAND MISSING OR INVALID
DMKCFG026E OPERAND MISSING OR INVALID
DMKCFH026E OPERAND MISSING OR INVALID

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DMKCFO026E OPERAND MISSING OR INVALID
DMKCFS026E OPERAND MISSING OR INVALID
DMKCFT026E OPERAND MISSING OR INVALID
DMKCPB026E OPERAND MISSING OR INVALID
DMKCPS026E OPERAND MISSING OR INVALID
DMKCPV026E OPERAND MISSING OR INVALID
DMKCQR026E OPERAND MISSING OR INVALID
DMKCQY026E OPERAND MISSING OR INVALID
DMKCSB026E OPERAND MISSING OR INVALID
DMKCSP026E OPERAND MISSING OR INVALID
DMKCST026E OPERAND MISSING OR INVALID
DMKCSU026E OPERAND MISSING OR INVALID
DMKDEF026E OPERAND MISSING OR INVALID
DMKMCC026E OPERAND MISSING OR INVALID
DMKMCD026E OPERAND MISSING OR INVALID
DMKMCH026E OPERAND MISSING OR INVALID
DMKNES026E OPERAND MISSING OR INVALID
DMKNET026E OPERAND MISSING OR INVALID
DMKNLD026E OPERAND MISSING OR INVALID
DMKTHI026E OPERAND MISSING OR INVALID
DMKTRA026E OPERAND MISSING OR INVALID
DMKSPS026E OPERAND MISSING OR INVALID
DMKSPS026E OPERAND MISSING OR INVALID
DMKSPM026E OPERAND MISSING OR INVALID

DMKDDR725R ORIGINAL INPUT  DEVICE WAS  (IS) LARGER  THAN OUTPUT  DEVICE. DO  YOU WISH  TO CONTINUE?
           RESPOND YES OR NO:

DMKDDR718E OUTPUT UNIT IS FILE PROTECTED
DMKDDR722E OUTPUT UNIT NOT PROPERLY FORMATTED FOR THE CP NUCLEUS

DMKDDR713E OVERLAPPING OR INVALID EXTENTS

DMKFMT740E PACK MOUNTED IS 3340-35, NOT 3340-70. MOUNT ANOTHER OR RESPECIFY

DMKCPV165I PAGE hexloc NOT LOCKED; SHARED PAGE

DMKCFH435E PAGING ERROR WRITING SAVED SYSTEM
DMKCFP435E PAGING ERROR WRITING SAVED SYSTEM
DMKSNC435E PAGING ERROR WRITING SAVED SYSTEM
DMKCFG174E PAGING I/O ERROR; IPL FAILED

DMKCFG177E PARM EXCEEDS 64 CHARACTERS
DMKLOG050E PASSWORD INCORRECT
DMKCKS915E PERMANENT I/O ERROR ON CHECKPOINT CYLINDER

DMKCPU191E PROCESSOR nn DOES NOT EXIST
DMKCPU194I PROCESSOR nn OFFLINE
DMKCPU193I PROCESSOR nn ONLINE

DMKDDR756E PROGRAM CHECK PSW = psw
DMKDIR756E PROGRAM CHECK PSW = psw
DMKFMT756E PROGRAM CHECK PSW = psw

DMKRSE242E PRT cuu (3800) INTERVENTION RECQD, STATUS CODE cc
DMKVDA142E PRT cuu NOT DRAINED

DMKRSE240E PRT cuu, FCB-FORMS MISMATCH, FILEID nnnn {HELD|PURGED}
DMKTCS240E PRT cuu, FCB-FORMS MISMATCH, FILEID nnnn {HELD|PURGED}
DMKRSE252I PRT cuu, FILE nnnn REQUEUED AND HELD
DMKRSE241E PRT cuu, INVALID LOAD MODULE mmmm SPECIFIED, FILE nnnn {HELD|PURGED}
DMKTCS241E PRT cuu, INVALID LOAD MODULE mmmm SPECIFIED, FILE nnnn {HELD|PURGED}
DMKRSE255I PRT cuu, PAGE BUFFER DESTROYED, BACKUP PAGE COUNT = nnnn

DMKRSP428E PRT raddr SPOOL ERROR; FILE HELD

DMKACO425A PUN cuu ACCOUNTING DATA; FATAL I/O ERROR
DMKRSP428E PUN raddr SPOOL ERROR; FILE HELD

DMKCFD021E RADDR MISSING OR INVALID
DMKCFO021E RADDR MISSING OR INVALID
DMKCPS021E RADDR MISSING OR INVALID
DMKCPU021E RADDR MISSING OR INVALID
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DMK

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DMKCPV021E RADDR MISSING OR INVALID
DMKCQP021E RADDR MISSING OR INVALID
DMKCSB021E RADDR MISSING OR INVALID
DMKCSO021E RADDR MISSING OR INVALID
DMKMCC021E RADDR MISSING OR INVALID
DMKMCD021E RADDR MISSING OR INVALID
DMKNES021E RADDR MISSING OR INVALID
DMKNET021E RADDR MISSING OR INVALID
DMKNLD021E RADDR MISSING OR INVALID
DMKNLE021E RADDR MISSING OR INVALID
DMKSPT021E RADDR MISSING OR INVALID

DMKVDA021E RADDR MISSING OR INVALID raddr
DMKVDD021E RADDR MISSING OR INVALID raddr

DMKRSE505A RDR 'addr' OVERRUN CK CMD='cm' SNS='sense'

DMKRSP434A RDR raddr FATAL I/O ERROR; FILE PURGED
DMKRSP431A RDR raddr ID CARD MISSING OR INVALID
DMKRSP432A RDR raddr ID CARD; 'userid' NOT IN CP DIRECTORY
DMKRSP433A RDR raddr ID CARD; INVALID DATA - 'data'
DMKRSP428E RDR raddr SPOOL ERROR; FILE PURGED
DMKRSP426E RDR raddr SPOOL SPACE FULL; FILE PURGED

DMKVSP429I RDR vaddr SPOOL ERROR; FILE HELD

DMKDDR714E RECORD bbcchh NOT FOUND ON TAPE
DMKDDR721E RECORD cchhr  NOT FOUND
DMKDDR721E RECORD {cchhr|nnnnnn}  NOT FOUND

DMKNMT257E RESIDUAL BYTE COUNT = nnnnnnnn (HEX)

DMKCFH300E SAVE REQUEST BEYOND VIRTUAL MACHINE SIZE

DMKCFV063E SHADOW TABLE BYPASS; NOT SET
DMKVAT064E SHADOW TABLE BYPASS; RESET

DMKCDS161E SHARED PAGE hexloc ALTERED by userid
DMKVMA161E SHARED PAGE hexloc ALTERED BY userid
DMKATS181E SHARED SYSTEM name REPLACED WITH NON-SHARED COPY

DMKSPM804E SINGLE PROCESSOR MODE ON REJECTED
DMKSPM805E SINGLE PROCESSOR MODE OFF REJECTED
DMKSPM808I SINGLE PROCESSOR MODE ACTIVE

DMKMCH613I SOFT MACHINE CHECK RECORDING DISABLED cpuid

DMKNMT248E SPECIFIED IMAGE imag NON-EXISTENT
DMKCFO188E SPECIFIED PROCESSOR UNAVAILABLE
DMKCFS188E SPECIFIED PROCESSOR UNAVAILABLE
DMKLOG188E SPECIFIED PROCESSOR UNAVAILABLE

DMKCQG042E SPOOLID nnnn DOES NOT EXIST
DMKCST042E SPOOLID nnnn DOES NOT EXIST
DMKCSU042E SPOOLID nnnn DOES NOT EXIST

DMKCQG027E SPOOLID MISSING OR INVALID
DMKCST027E SPOOLID MISSING OR INVALID
DMKCSU027E SPOOLID MISSING OR INVALID

DMKIOG560W SRF ERRORS; FRAMES NOT ON ERROR CYLINDERS
DMKIOG559W SRF NOT AVAILABLE

DMKMCD223E START TIME MUST PRECEDE STOP TIME

DMKDIR752E STATEMENT SEQUENCE ERROR FOLLOWING USER user

DMKCPI957I STOR sssssK, NUC nnnK, DYN dddddK, TRA tttK, FREE ffffK, V=R vvvvvK

DMKDEF094E STORAGE EXCEEDS ALLOWED MAXIMUM
DMKDEF025E STORAGE MISSING OR INVALID

DMKCDS163E STORE EXCEEDS MAXIMUM REGISTER
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DMKMCC216E SYSPROF CLASS REQUIRES SCHEDULE AND DASTAP

DMKSAV353W SYSRES DEVICE TYPE INVALID

DMKCFG172E SYSTEM name DASD vaddr INCOMPATIBLE SYSRES
DMKCFH172E SYSTEM name DASD vaddr INCOMPATIBLE SYSRES

DMKCFG044E SYSTEM name DOES NOT EXIST
DMKCFH044E SYSTEM name DOES NOT EXIST
DMKCFS044E SYSTEM name DOES NOT EXIST
DMKNLD044E SYSTEM name DOES NOT EXIST
DMKSNC044E SYSTEM name DOES NOT EXIST

DMKSNC178E SYSTEM name EXCEEDS AVAILABLE DASD SPACE

DMKCFG170E SYSTEM name EXCEEDS STORAGE
DMKCFH170E SYSTEM name EXCEEDS STORAGE
DMKCFS170E SYSTEM name EXCEEDS STORAGE
DMKNLD170E SYSTEM name EXCEEDS STORAGE

DMKCFG173E SYSTEM name REQUIRES DASD vaddr
DMKCFH173E SYSTEM name REQUIRES DASD vaddr

DMKCFG179E SYSTEM name VOLID volid NOT CP OWNED
DMKCFH179E SYSTEM name VOLID volid NOT CP OWNED
DMKCFP179E SYSTEM name VOLID volid NOT CP OWNED
DMKCFS179E SYSTEM name VOLID volid NOT CP OWNED
DMKSNC179E SYSTEM name VOLID volid NOT CP OWNED

DMKCFG171E SYSTEM name VOLID volid NOT MOUNTED
DMKCFH171E SYSTEM name VOLID volid NOT MOUNTED
DMKCFS171E SYSTEM name VOLID volid NOT MOUNTED
DMKNLD171E SYSTEM name VOLID volid NOT MOUNTED
DMKSNC171E SYSTEM name VOLID volid NOT MOUNTED

DMKCKS400I SYSTEM CHECKPOINT AREA FULL
DMKCKS401I SYSTEM CHECKPOINT AREA 90 PERCENT FULL

DMKDMP909W SYSTEM DUMP DEVICE NOT-READY
DMKDMP907W SYSTEM DUMP FAILURE; FATAL I/O ERROR
DMKDMP906W SYSTEM DUMP FAILURE; MACHINE CHECK, RUN SEREP
DMKDMP905W SYSTEM DUMP FAILURE; PROGRAM CHECK

DMKDMP908I SYSTEM FAILURE; CODE - code

DMKCKP902W SYSTEM RECOVERY FAILURE; FATAL I/O ERROR-{NUCL CYL|WARM CYL}
DMKCKP922W SYSTEM RECOVERY FAILURE; INVALID SPOOLING DATA
DMKWRM904W SYSTEM RECOVERY FAILURE; INVALID WARM START DATA
DMKCKP901W SYSTEM RECOVERY FAILURE; MACHINE CHECK, RUN SEREP
DMKCKP900W SYSTEM RECOVERY FAILURE; PROGRAM CHECK
DMKWRM921W SYSTEM RECOVERY FAILURE; UNRECOVERABLE I/O ERROR
DMKCKS903W SYSTEM RECOVERY FAILURE; VOLID 'volid' ALLOCATION ERROR CYLINDER 'cylinder'
DMKCKS912W SYSTEM RECOVERY FAILURE; VOLID 'volid' NOT MOUNTED
DMKWRM912W SYSTEM RECOVERY FAILURE; VOLID 'volid' NOT MOUNTED
DMKCKP910W SYSTEM RECOVERY FAILURE: INVALID WARM START CYLINDER
DMKCKP911W SYSTEM RECOVERY FAILURE: WARM START AREA FULL

DMKCKP961W SYSTEM SHUTDOWN COMPLETE
DMKCPI961W SYSTEM SHUTDOWN COMPLETE

DMKPGT400I SYSTEM TEMP SPACE FULL
DMKPGT401I SYSTEM TEMP SPACE 90 PERCENT FULL

DMKCKP960I SYSTEM WARM START DATA SAVED
DMKCPI960I SYSTEM WARM START DATA SAVED

DMKTAP516I TAPE 'addr' BAD SENSE CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP502I TAPE 'addr' BUSOUT CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP520I TAPE 'addr' CHAN ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP500I TAPE 'addr' CMD REJECT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP511I TAPE 'addr' COMPAT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid
DMKTAP523I TAPE 'addr' CONTROL CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP510I TAPE 'addr' CONVERT CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
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DMKTAP526I TAPE 'addr' DSE FAILED CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP504D TAPE 'addr' DATA CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP503I TAPE 'addr' EQUIP CK CMD='cm' SNS='sense' CSW='csw' USERID= 'userid'
DMKTAP522I TAPE 'addr' ERASE CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP513I TAPE 'addr' FILE PROT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP501A TAPE 'addr' INT REQ
DMKTAP512I TAPE 'addr' LOAD POINT CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP521I TAPE 'addr' NO DEVICE CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP517I TAPE 'addr' NOT/KNOWN CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP505D TAPE 'addr' OVERRUN CK CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP519I TAPE 'addr' PE BURST CMD='cm' SNS='sense' CSW='csw' USERID='userid'
DMKTAP518I TAPE 'addr' RECV ERROR CMD='cm' SNS='sense' CSW='csw' USERID='userid'

DMKSPS037E TAPE raddr INVALID FOR STORAGE COMMAND
DMKSPS037E TAPE raddr INVALID FOR STORAGE COMMAND

DMKRND851I TEN DUMP FILES ALREADY EXIST

DMKVDA086E THE 'volid' PARAMETER IS INVALID

DMKMCD222E TIME PARAMETER SPECIFIES INVALID TIME

DMKCPS187E TIMER ASSIST NOT AVAILABLE

DMKVDA076E THE 'volid' PARAMETER IS INVALID

DMKCLK970W TOD CLOCK SYNC CHECK RECEIVED

DMKTRA180W TRACE NOT IN EFFECT

DMKRSP430A TYPE raddr FATAL I/O ERROR; NOW OFFLINE, FILE HELD
DMKVDD143E TYPE raddr IN USE BY SYSTEM
DMKVDD142E TYPE raddr NOT DRAINED

DMKVDA134E TYPE vaddr NOT ATTACHED; CHAN x DEDICATED
DMKVDA135E TYPE vaddr NOT DETACHED; CHAN x DEDICATED
DMKVDD135E TYPE vaddr NOT DETACHED; CHAN x DEDICATED

DMKFMT734E TYPE OR CYL INVALID
DMKFMT734E TYPE OR {CYL|PAG} INVALID

DMKCPI953I UNABLE TO ALLOCATE SYSTEM AUTO DUMP
DMKRND850I UNABLE TO READ DUMP FROM READER

DMKLNK117E USERID userid NOT LINKED; VOLID volid CONFLICT
DMKLNK119E USERID vaddr NOT LINKED; INSUFFICIENT FREE STORAGE
DMKLNK116E USERID xxx NOT LINKED; CP DIRECTORY IN USE

DMKCFO020E USERID MISSING OR INVALID
DMKCPV020E USERID MISSING OR INVALID
DMKCQG020E USERID MISSING OR INVALID
DMKCQP020E USERID MISSING OR INVALID
DMKCQR020E USERID MISSING OR INVALID
DMKCQY020E USERID MISSING OR INVALID
DMKCSP020E USERID MISSING OR INVALID
DMKCSU020E USERID MISSING OR INVALID
DMKDIA020E USERID MISSING OR INVALID
DMKLNK020E USERID MISSING OR INVALID
DMKLOG020E USERID MISSING OR INVALID
DMKMSG020E USERID MISSING OR INVALID
DMKUSO020E USERID MISSING OR INVALID
DMKVDA020E USERID MISSING OR INVALID
DMKVDD020E USERID MISSING OR INVALID
DMKQVM020E USERID MISSING OR INVALID

DMKJRL145I USERID: userid AT term-raddr WITH INVALID PASSWORD NO.xxx (pswd) VIOLATED THE LIMIT OF
           yyy, A=aiserid

DMKCFG203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS
DMKCPV203E V=R AREA REQUIRES IPL BY DEVICE ADDRESS

DMKCFD022E VADDR MISSING OR INVALID
DMKCFG022E VADDR MISSING OR INVALID
DMKCPB022E VADDR MISSING OR INVALID

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DMKCQG022E VADDR MISSING OR INVALID
DMKCQP022E VADDR MISSING OR INVALID
DMKCSB022E VADDR MISSING OR INVALID
DMKCSP022E VADDR MISSING OR INVALID
DMKCST022E VADDR MISSING OR INVALID
DMKDEF022E VADDR MISSING OR INVALID
DMKDIA022E VADDR MISSING OR INVALID
DMKLNK022E VADDR MISSING OR INVALID
DMKVMI022E VADDR MISSING OR INVALID

DMKVDA022E VADDR MISSING OR INVALID vaddr
DMKVDD022E VADDR MISSING OR INVALID vaddr

DMKCPS192E VARY PROCESSOR COMMAND FAILED
DMKCPU192E VARY PROCESSOR COMMAND FAILED

DMKCPV176E VIRT=REAL AREA IN USE BY userid

DMKBLD200E VIRT=REAL AREA NOT AVAILABLE; IN USE BY {userid|SYSTEM}
DMKBLD201E VIRT=REAL AREA NOT AVAILABLE; DAMAGED PAGES

DMKBLD202E VIRT=REAL AREA NOT AVAILABLE; INSUFFICIENT STORAGE
DMKCPV202E VIRT=REAL AREA NOT AVAILABLE; INSUFFICIENT STORAGE

DMKCFS183E VM ASSIST NOT ACTIVE
DMKCFS184E VM ASSIST NOT AVAILABLE
DMKCFO184E VM ASSIST NOT AVAILABLE [ON PROCESSOR proc addr]

DMKCFG083E VMSAVE AREA DOES NOT CONTAIN A VALID SAVED SYSTEM
DMKLOG081W VMSAVE AREA CONTAINS A SAVED SYSTEM, MUST USE SET COMMAND

DMKVDA023E VOLID MISSING OR INVALID
DMKDIR761E VOLID READ IS volid1 NOT volid2
DMKFMT733E VOLID READ IS volid1 NOT volid2
DMKDDR711R VOLID READ IS volid2 [NOT volid1] DO YOU WISH TO CONTINUE? RESPOND YES NO OR REREAD:

DMKDDR709E WRONG INPUT TAPE MOUNTED

DMKCFO255W 370E FEATURE NOW DISABLED

DMKCFS251E 370E IS NOT ACTIVE
DMKLOG251E 370E IS NOT ACTIVE

DMKCFO250E 370E IS NOT AVAILABLE (ON PROC xx)
DMKCFS250E 370E IS NOT AVAILABLE (ON PROC xx)
DMKLOG250E 370E IS NOT AVAILABLE (ON PROC xx)

DMKNMT247I 3800 NAMED SYSTEM imag3800 CREATED
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DMS

CMS MESSAGE SUMMARY

DMSRDC702I [READ CONTROL CARD MISSING. FOLLOWING ASSUMED:] :READ {fn ft fm|READCARD CMSUT1 A1}

DMSBTP108E /SET CARD FORMAT INVALID

DMSTPE115S {CONVERSION|{7|9}-TRACK|{800|6250} BPI|TRANSLATION|DUAL-DENSITY} FEATURE NOT SUPPORTED
          ON DEVICE 'cuu'
DMSBTP109E {CPU|PRINTER|PUNCH} LIMIT EXCEEDED
DMSDOS140S {FEOVD|SEOV|FEOV} MACRO NOT SUPPORTED
DMSSVT120S {IN|OUT}PUT ERROR 'code' ON 'ddname'
DMSSCT120S {IN/OUT}PUT ERROR 'code' ON 'ddname'
DMSXCP411S {INPUT|OUTPUT} ERROR CODE 'nn' ON 'SYSxxx'
DMSCPY002E {INPUT|OVERLAY} FILE 'fn ft' NOT FOUND
DMSFRE164T {LOW|HIGH}-CORE NUCLEUS STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn).
DMSFRE163T {LOW|HIGH}-CORE USER CHAIN HAS BEEN DESTROYED (INTERNAL ERROR CODE nn).
DMSDLB322I {MASTER|JOB} CATALOG DLBL CLEARED
DMSCIO113S {READER|PUNCH} NOT ATTACHED
DMSBOP113S {TAPn|mode (cuu)} NOT ATTACHED
DMSASN113S {TAPn|mode|READER|PUNCH|PRINTER} (cuu) NOT ATTACHED
DMSAMS113S {TAPIN|TAPOUT} (addr) NOT ATTACHED
DMSINT015E {UNKNOWN {CP/CMS|CMS|CP} |INVALID {CMS|SUBSET}} COMMAND

DMSUPD184W './ S' NOT FIRST CARD IN UPDATE FILE -- IGNORED

DMSACC726I 'cuu mode' RELEASED
DMSACC059E 'cuu' ALREADY ACCESSED AS READ/WRITE 'mode' DISK
DMSFOR114S 'cuu' IS AN UNSUPPORTED DEVICE TYPE

DMSDLB322I 'ddname' NOT FOUND: NO CLEAR EXECUTED
DMSXCP113S 'device (cuu)' NOT ATTACHED
DMSMOD114E 'fn ft fm' NOT LOADED; CMS/DOS ENVIRONMENT [NOT] ACTIVE

DMSDLB308E 'mode' DISK IN [NON-]CMS FORMAT: INVALID FOR [NON-]CMS DATASET
DMSBOP308E 'mode' DISK IN CMS FORMAT; INVALID FOR NON-CMS DATASET

DMSVGN367I 'modulename TEXT' WRITTEN ON DISK 'A'.
DMSVPD367I 'modulename TEXT' WRITTEN ON DISK 'A'

DMSFOR732I 'nnn' {CYLINDERS|FB-512 BLOCKS} FORMATTED ON DISK 'mode(cuu)'
DMSFOR732I 'nnn' CYLINDERS FORMATTED ON DISK 'mode(cuu)'

DMSUPD066E 'option' and 'option' ARE CONFLICTING OPTIONS
DMSAMS066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSASN066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSCPY066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSDLB066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSDSV066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSFLD066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSLBD066E 'option' AND 'option' ARE CONFLICTING OPTIONS
DMSLST066E 'option' AND 'option' ARE CONFLICTING OPTIONS

DMSDLB065E 'option' OPTION SEPCIFIED TWICE
DMSAMS065E 'option' OPTION SPECIFIED TWICE
DMSASN065E 'option' OPTION SPECIFIED TWICE
DMSCPY065E 'option' OPTION SPECIFIED TWICE
DMSDSV065E 'option' OPTION SPECIFIED TWICE
DMSFLD065E 'option' OPTION SPECIFIED TWICE
DMSLBD065E 'option' OPTION SPECIFIED TWICE
DMSUPD065E 'option' OPTION SPECIFIED TWICE

DMSDSV026W 'phase' NOT IN LIBRARY
DMSIPC825E 'CLEAR' IS VALID ONLY WHEN SPECIFIED BY ITSELF

DMSITS139T 'DMSKEY RESET' FROM addr UNDERFLOWS KEY STACK
DMSITS138T 'DMSKEY' CALL FROM addr OVERFLOWS KEY STACK, WITH MAX DEPTH 7.

DMSCLS140S 'FEOV|SEOV' MACRO NOT SUPPORTED
DMSCPY156E 'FROM nnn' NOT FOUND - FILE 'fn ft fm' HAS ONLY 'nnn' RECORDS
DMSABN153W 'HX' DURING ABEND PROCESSING WAS IGNORED
DMSCPY101S 'SPECS' TEMP STRING STORAGE EXHAUSTED AT '........'
DMSSYN066E 'STD' AND 'NOSTD' ARE CONFLICTING OPTIONS

DMSDLB301E 'SYSXXX' NOT ASSIGNED FOR DISK 'fm'

DMSTLB425R 'TAPn (cuu)' BLOCK COUNT ERROR FOR 'filename' ENTER 'IGNORE' OR 'CANCEL'
DMSCLS429I 'TAPn (cuu)' EOT ON OUTPUT
DMSSEB429I 'TAPn (cuu)' EOT ON OUTPUT
DMSTLB427I 'TAPn (cuu)' EOV1 LABEL READ
DMSTLB428I 'TAPn (cuu)' EOV1 LABEL WRITTEN
DMSTLB421E 'TAPn (cuu)' HDR1 LABEL MISSING FOR 'filename'
DMSTLB434E 'TAPn (cuu)' INPUT LABEL CHECK ERROR FOR FILE 'filename'
DMSTLB043E 'TAPn (cuu)' IS FILE PROTECTED
DMSTLB430E 'TAPn (cuu)' LABELDEF INFORMATION MISSING FOR FILE 'filename'
DMSTLB436I 'TAPn (cuu)' MISSING USER STANDARD LABEL FOR 'ddname'
DMSCLS113S 'TAPn (cuu)' NOT ATTACHED
DMSTLB113S 'TAPn (cuu)' NOT ATTACHED
DMSTLB424E 'TAPn (cuu)' NOT POSITIONED AT EOF1 LABEL
DMSTLB437I 'TAPn (cuu)' NSL ROUTINE RETURNED AN ERROR CODE 'nnnnnn' FOR 'filename'
DMSTLB423I 'TAPn (cuu)' POSITIONED PARAMETER IGNORED. OUTPUT FILE WILL BE WRITTEN IMMEDIATELY
            AFTER NEW VOL1 LABEL
DMSTLB422E 'TAPn (cuu)' POSITIONED WRONG FOR 'filename'
DMSTLB426R 'TAPn (cuu)' UNEXPIRED FILE ENTER 'IGNORE' OR 'ERROR'
DMSTLB432E 'TAPn (cuu)' VOLID volid DOES NOT MATCH LABELDEF VOLID FOR 'filename'
DMSTLB431E 'TAPn (cuu)' VOL1 LABEL MISSING
DMSTPE431E 'TAPn (cuu)' VOL1 LABEL MISSING
DMSTPE043E 'TAPn(cuu)' IS FILE PROTECTED

DMSLIO203W "SET LOCATION COUNTER" NAME 'name' UNDEFINED

DMSVGN368I count NEW PTF DECKS WILL BE APPLIED.
DMSVPD368I count NEW PTF DECKS WILL BE APPLIED

DMSACC725I cuu ALSO = 'mode' [-OS|-DOS] DISK
DMSFOR113S cuu NOT ATTACHED
DMSACC724I cuu REPLACES mode (ccu)

DMSITP141T exception EXCEPTION OCCURRED AT addr IN ROUTINE callee
DMSITP142T exception EXCEPTION OCCURRED AT addr IN ROUTINE routine DURING 'SPIE' EXIT ROUTINE
DMSITP143T exception EXCEPTION OCCURRED AT addr in SYSTEM ROUTINE callee.
DMSITP144T exception EXCEPTION OCCURRED AT addr IN ROUTINE callee WHILE 'UFDBUSY' = xx.

DMSACC723I mode (cuu) {R/O|R/W} [-OS|-DOS]
DMSACC113S mode (cuu) NOT ATTACHED

DMSABN149T nnn (HEX xxx) DOUBLEWORDS OF SYSTEM STORAGE HAVE BEEN DESTROYED. RE-IPL CMS
DMSABN150W nnn (HEX xxx) DOUBLEWORDS OF SYSTEM STORAGE WERE NOT RECOVERED

DMSSET333E nnnnnK PARTITION TOO LARGE FOR THIS VIRTUAL MACHINE

DMSITS140T routine ROUTINE CALLED FROM addr DID DMSKEY WITH NO RESET.
DMSVGN363I sysname DOSLIB CREATED ON DISK 'A'.

DMSEDI076E ACTUAL RECORD LENGTH EXCEEDS THAT SPECIFIED

DMSINI610R ALSO IPL {CYL|BLK} 0? {YES|NO}
DMSINI610R ALSO IPL CYLINDER 0? {YES|NO}

DMSVMF383R APPLY 'fn'? ... ENTER 'NO' OR EOB
DMSVPD383R APPLY 'fn'? ...ENTER 'NO' OR EOB:

DMSIFC829W ATTEMPTED 'ZERO' WAS SUPPRESSED. REQUIRES PRIVILEGE CLASS F

DMSZAP195W BASE VALUE INVALID - SET NO GO SWITCH
DMSBTB101E BATCH NOT LOADED
DMSMVE130S BLOCKSIZE ON V FORMAT FILE ddname IS LESS THAN 9

DMSSRV194S BOOK 'subl.book' CONTAINS BAD RECORDS
DMSSRV004E BOOK 'subl.book' NOT FOUND

DMSITS137T CALL TO routine FROM addr DESTROYED SYSTEM SAVE AREA. RE-IPL CMS
DMSFOR214W CANNOT RECOMPUTE WITHOUT LOSS OF DATA. NO CHANGE
DMSDLB307E CATALOG DDNAME 'ddname' NOT FOUND
DMSFRE165T CHAIN HEADER AT addr: xxxxxx xxxxxx xxxxx xxxxx
DMSCLS089E CLOSE ERROR CODE 'nn' ON '{fn|SYSxxx|TAPn}'

DMS

DMSINS098W CMS OS SIMULATION NOT AVAILABLE
DMSITS098S CMS OS SIMULATION NOT AVAILABLE
DMSSET098W CMS OS SIMULATION NOT AVAILABLE

DMSLIO099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSASN099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSDLK099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSDSV099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSERV099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSFET099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSLLU099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSOPT099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSPRV099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSQRY099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSRRV099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSSET099E CMS/DOS ENVIRONMENT NOT ACTIVE
DMSSRV099E CMS/DOS ENVIRONMENT NOT ACTIVE

DMSVGN360I CMS/VSAM TEXT FILES CREATED ON DISK 'A'.
DMSINS100W CMSSEG SYSTEM NAME 'name' NOT AVAILABLE

DMSCMS715I CMSXGEN COMPLETE
DMSCMS111E CMSXGEN FAILED DUE TO LOAD ERRORS
DMSCMS141S CMSXGEN FAILED DUE TO SAVESYS ERRORS
DMSCMS412S CMSXGEN FAILED DUE TO SETKEY ERROR

DMSCMP009E COLUMN 'col' EXCEEDS RECORD LENGTH
DMSDSK009E COLUMN 'col' EXCEEDS RECORD LENGTH
DMSSRT009E COLUMN 'col' EXCEEDS RECORD LENGTH
DMSTYP009E COLUMN 'col' EXCEEDS RECORD LENGTH
DMSCMP211E COLUMN FIELDS OUT OF SEQUENCE

DMSCPY067E COMBINED INPUT FILES ILLEGAL WITH PACK OR UNPACK OPTIONS
DMSCMP179I COMPARING 'fn ft fm' WITH 'fn ft fm'
DMSCMP011E CONFLICTING FILE FORMATS

DMSBOP410S CONTROL PROGRAM ERROR INDICATION 'retcode'
DMSSET410S CONTROL PROGRAM ERROR INDICATION 'retcode'
DMSSSK410S CONTROL PROGRAM ERROR INDICATION 'nnn'
DMSVIB410S CONTROL PROGRAM ERROR INDICATION 'retcode'

DMSCPY721I COPY 'fn ft fm' [{TO|APPEND|OVLY} 'fn ft fm' {OLD|NEW} FILE]

DMSCMS110E CORRECT FORM IS: CMSXGEN LOCATION (SEGNAME)
DMSGEN110E CORRECT FORM IS: DOSGEN LOCATION SEGNAME

DMSBTP107E CP/CMS COMMAND 'command, (device)' NOT ALLOWED
DMSIFC828I CPEREP ZERO OR CLEAR HAS BEEN COMPLETED
DMSVGN361I CREATING CMS TEXT FILES...
DMSZAP194W CSECT NOT FOUND IN {MEMBER 'membername'|MODULE 'modulename'} -SET NO GO SWITCH

DMSLDS002E DATA SET NOT FOUND

DMSDBG728I DEBUG ENTERED [EXTERNAL INT|BREAKPOINT nn AT xxxxxx]

DMSPRT008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}
DMSPUN008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}
DMSRDC008E DEVICE 'cuu' {INVALID OR NONEXISTENT|UNSUPPORTED DEVICE TYPE}

DMSMVE075E DEVICE 'device name' ILLEGAL FOR {INPUT|OUTPUT}
DMSARX075E DEVICE 'device' INVALID FOR INPUT
DMSASM075E DEVICE 'device' INVALID FOR INPUT

DMSFCH113S DISK (cuu) NOT ATTACHED
DMSPRV113S DISK (cuu) NOT ATTACHED
DMSRRV113S DISK (cuu) NOT ATTACHED
DMSSRV113S DISK (cuu) NOT ATTACHED

DMSARE069E DISK '{mode|cuu}' NOT ACCESSED
DMSBWR170S DISK 'mode (cuu)' HAS MAXIMUM NUMBER OF FILES
DMSBWR107S DISK 'mode (cuu)' IS FULL
DMSFOR037E DISK 'mode[(cuu)]' IS READ/ONLY
DMSACC112S DISK 'mode(cuu)' DEVICE ERROR

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DMSVGN361E DISK 'mode' IS NOT A {CMS|DOS} DISK.

DMSBOP037E DISK 'mode' IS READ/ONLY
DMSCPY037E DISK 'mode' IS READ/ONLY
DMSDSK037E DISK 'mode' IS READ/ONLY
DMSDSL037E DISK 'mode' IS READ/ONLY
DMSERS037E DISK 'mode' IS READ/ONLY
DMSERV037E DISK 'mode' IS READ/ONLY
DMSLBM037E DISK 'mode' IS READ/ONLY
DMSMOD037E DISK 'mode' IS READ/ONLY
DMSRNM037E DISK 'mode' IS READ/ONLY
DMSSRT037E DISK 'mode' IS READ/ONLY
DMSTPE037E DISK 'mode' IS READ/ONLY

DMSASN069E DISK 'mode' NOT ACCESSED
DMSBOP069E DISK 'mode' NOT ACCESSED
DMSDSL069E DISK 'mode' NOT ACCESSED
DMSERS069E DISK 'mode' NOT ACCESSED
DMSFLD069I DISK 'mode' NOT ACCESSED
DMSFOR069E DISK 'mode' NOT ACCESSED
DMSLDS069E DISK 'mode' NOT ACCESSED
DMSLST069E DISK 'mode' NOT ACCESSED
DMSSTT069E DISK 'mode' NOT ACCESSED

DMSLST037E DISK 'A' IS READ/ONLY
DMSPRV037E DISK 'A' IS READ/ONLY
DMSRDC037E DISK 'A' IS READ/ONLY
DMSUPD037E DISK 'A' IS READ/ONLY

DMSUPD069E DISK 'A' NOT ACCESSED
DMSVGN069E DISK 'A' NOT ACCESSED

DMSMVE708I DISK FILE 'FILE ddname A1' ASSUMED FOR DDNAME 'ddname'
DMSFOR705I DISK REMAINS UNCHANGED

DMSBOP086W DLBL 'ddname' DUMMY INVALID FOR VSAM

DMSFCH777S DOS PARTITION TOO SMALL TO ACCOMMODATE FETCH REQUEST

DMSGEN715I DOSGEN COMPLETE
DMSGEN111E DOSGEN FAILED DUE TO LOAD ERRORS
DMSGEN141S DOSGEN FAILED DUE TO SAVESYS ERRORS

DMSLIO202W DUPLICATE IDENTIFIER 'identifier'

DMSDSK077E END CARD MISSING FROM INPUT DECK
DMSMVE226I END OF PDS MOVE

DMSTLB058E END-OF-FILE or END-OF-TAPE [TAPn]
DMSTPD058E END-OF-FILE OR END-OF-TAPE
DMSTPE058E END-OF-FILE OR END-OF-TAPE
DMSBOP058E END-OF-FILE OR END-OF-TAPE ON 'TAPn'
DMSCLS058E END-OF-FILE OR END-OF-TAPE ON 'TAPn'
DMSVMF058E END-OF-FILE OR END-OF-TAPE ON

DMSVGN364R ENTER 'CMSVSAM' OR 'CMSAMS' OR 'BOTH' FOR GENERATION OF NEW SYSTEM(S):
DMSTLB435R ENTER 'IGNORE' OR 'CANCEL'
DMSVGN381R ENTER 'SELECT' OR 'ALL' FOR TAPE PTF APPLICATION
DMSVGN380R ENTER 'TAPE' OR 'CARDS' FOR PTF APPLICATION:
DMSTLB433R ENTER 'WRITE (VOLID' OR 'REJECT'

DMSDLB220R ENTER DATA SET NAME:
DMSFLD220R ENTER DATA SET NAME:
DMSLDS220R ENTER DATA SET NAME:

DMSFOR605R ENTER DISK LABEL:

DMSVGN361R ENTER EITHER 'DOS' OR 'OS':
DMSVGN360R ENTER EITHER 'INSTALL' OR 'UPDATE':

DMSDLB331R ENTER EXTENT SPECIFICATIONS:
DMSVGN363R ENTER LOCATION WHERE sysname WILL BE LOADED AND SAVED:
DMSVGN362R ENTER MODE OF DOS SYSTEM RELOCATABLE LIBRARY DISK:
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DMSVGN365R ENTER MODULE NAME (8 CHARS OR LESS) OR 'END':
DMSVGN366R ENTER NAME OF SYSTEM TO BE SAVED:
DMSVGN382R ENTER NUMBER OF TAPE FILES TO BE PROCESSED:
DMSVGN369R ENTER RELEASE NUMBER OF DOS/VS STARTER SYSTEM:
DMSSRT604R ENTER SORT FIELDS:
DMSCPY601R ENTER SPECIFICATION LIST:
DMSAMS367R ENTER TAPE {INPUT|OUTPUT} DDNAMES:
DMSCPY602R ENTER TRANSLATION LIST:
DMSDLB330R ENTER VOLUME SPECIFICATIONS:


DMSGND021E ENTRY POINT 'name' NOT FOUND
DMSLIO021E ENTRY POINT 'name' NOT FOUND
DMSMOD021E ENTRY POINT 'name' NOT FOUND
DMSNCP021E ENTRY POINT 'name' NOT FOUND


DMSERS071E ERASE * * [fm|*] NOT ALLOWED
DMSVGN368R ERASE sysname DOSLIB?...ENTER 'YES' OR 'NO':


DMSIFC826E EREP TXTLIBS NOT FOUND


DMSZAP192W ERROR - ODD NUMBER OF DIGITS - SET NO GO SWITCH
DMSFOR126S ERROR {READ|WRIT}ING LABEL ON DISK 'mode(cuu)'


DMSPUN123S ERROR 'nn' PUNCHING 'fn ft fm'


DMSCMP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSDLK104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSDSK104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSEDI104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSFCH104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSIFC104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSLBM104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSLBT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSPRT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSPUN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSSLN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSSRT104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSSYN104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSTPE104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSTYP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSUPD104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSVMF104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSXCP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK
DMSZAP104S ERROR 'nn' READING FILE 'fn ft fm' FROM DISK


DMSMOD104S ERROR 'nn' READING FILE 'fn ft fm' ON DISK
DMSLIO104S ERROR 'nn' READING FILE 'fn ft fm' ON DISK
DMSDSL104S ERROR 'nn' READING FILE 'fn DOSLIB fm' FROM DISK
DMSOVR104S ERROR 'nn' READING FILE 'DMSOVR MODULE' ON DISK


DMSLLU105S ERROR 'nn' WRITING FILE '$LISTIO EXEC A1' ON DISK
DMSDLK105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSDSK105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK
DMSDSL105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSEDI105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK
DMSLBM105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSLBT105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSLIO105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSLST105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSMOD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSPRV105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK
DMSRDC105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSRRV105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSSRT105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSSRV105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSTPD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSTPE105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSUPD105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK
DMSVMF105S ERROR 'nn' WRITING FILE 'fn ft fm' TO DISK
DMSXCP105S ERROR 'nn' WRITING FILE 'fn ft fm' ON DISK


DMSVPD105S ERROR 'nn' WRITING FILE 'fn CMSUT1 A1' ON DISK.
DMSDSV105S ERROR 'nn' WRITING FILE 'DSERV MAP A5' ON DISK
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DMSDLK245S ERROR 'nnn' ON PRINTER
DMSDSV245S ERROR 'nnn' ON PRINTER
DMSZAP245S ERROR 'nnn' ON PRINTER

DMSTMA138S ERROR nn ERASING fn ft BEFORE LOADING TAPE
DMSTMA137S ERROR nn ON STATE FOR fn ft
DMSHLP104S ERROR nn READING FILE 'fn ft fm' FROM DISK
DMSTMA105S ERROR nn WRITING FILE fn ft ON DISK

DMSITS122S ERROR IN CALL TO routine FROM addr, ERROR CODE nnn (HEX xxxxxxxx)
DMSEXT072E ERROR IN EXEC FILE fn  LINE nn - message

DMSACC240S ERROR LOADING READ OS ROUTINE 'DMSROS TEXT'

DMSARN008W ERROR MESSAGES ISSUED
DMSLKD008W ERROR MESSAGES ISSUED

DMSPRT123S ERROR PRINTING FILE 'fn ft fm'

DMSDSK118S ERROR PUNCHING FILE
DMSPUN118S ERROR PUNCHING FILE 'fn ft fm'

DMSVMF110S ERROR READING 'TAPn [ (cuu) ]'
DMSTLB110S ERROR READING 'TAPn [ (cuu) ]'
DMSTPE110S ERROR READING 'TAPn(cuu)'
DMSTMA110S ERROR READING 'TAPn'
DMSTPD110S ERROR READING 'TAPn'

DMSDSK124S ERROR READING CARD FILE
DMSRDC124S ERROR READING CARD FILE

DMSVPD110S ERROR READING TAP1(181).

DMSARX074E ERROR SETTING/RESETTING AUXILIARY DIRECTORY
DMSASM074E ERROR SETTING/RESETTING AUXILIARY DIRECTORY

DMSTLB111S ERROR WRITING 'TAPn (cuu)'
DMSTPE111S ERROR WRITING 'TAPn(cuu)'

DMSEDI117S ERROR WRITING TO DISPLAY TERMINAL
DMSVMF117S ERROR WRITING TO DISPLAY TERMINAL

DMSLIO169S ESDID TABLE OVERFLOW
DMSLIO740I EXECUTION BEGINS ...
DMSVGN364I FETCHING sysname...

DMSERS002E FILE ['fn [ft [fm]]'] NOT FOUND
DMSDSL002E FILE 'fm doslib' NOT FOUND
DMSCMP002E FILE 'fn [ft [fm]]' NOT FOUND

DMSTPD703I FILE 'fn ft [fm]' COPIED
DMSGRN002E FILE 'fn ft [fm]' NOT FOUND
DMSIFC002E FILE 'fn ft [fm]' NOT FOUND

DMSCPY030E FILE 'fn ft fm' ALREADY ACTIVE
DMSRNM030E FILE 'fn ft fm' ALREADY ACTIVE
DMSCPY024E FILE 'fn ft fm' ALREADY EXISTS-- SPECIFY 'REPLACE'
DMSRNM024E FILE 'fn ft fm' ALREADY EXISTS

DMSLBM056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS
DMSLBT056E FILE 'fn ft fm' CONTAINS INVALID [NAME|ALIAS|ENTRY|ESD] RECORD FORMATS
DMSLBT056W FILE 'fn ft fm' CONTAINS INVALID [NAME|ALIAS|ENTRY|ESD] RECORD FORMATS
DMSNCP056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS
DMSSYN056E FILE 'fn ft fm' CONTAINS INVALID RECORD FORMATS

DMSPRT033E FILE 'fn ft fm' IS NOT A LIBRARY
DMSPUN033E FILE 'fn ft fm' IS NOT A LIBRARY
DMSSVT033E FILE 'fn ft fm' IS NOT A LIBRARY
DMSTYP033E FILE 'fn ft fm' IS NOT A LIBRARY

DMSSRT034E FILE 'fn ft fm' IS NOT FIXED LENGTH

DMSARN007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
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DMSDLK007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
DMSIFC007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
DMSLKD007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
DMSUPD007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS
DMSSYN007E FILE 'fn ft fm' IS NOT FIXED, 80 CHAR. RECORDS

DMSDSK002E FILE 'fn ft fm' NOT FOUND
DMSGND002W FILE 'fn ft fm' NOT FOUND
DMSLBM002W FILE 'fn ft fm' NOT FOUND
DMSMVE002E FILE 'fn ft fm' NOT FOUND
DMSPRT002E FILE 'fn ft fm' NOT FOUND
DMSPUN002E FILE 'fn ft fm' NOT FOUND
DMSRNM002E FILE 'fn ft fm' NOT FOUND
DMSRUN002E FILE 'fn ft fm' NOT FOUND
DMSSRT002E FILE 'fn ft fm' NOT FOUND
DMSSTT002E FILE 'fn ft fm' NOT FOUND
DMSSYN002E FILE 'fn ft fm' NOT FOUND
DMSTPE002E FILE 'fn ft fm' NOT FOUND
DMSTYP002E FILE 'fn ft fm' NOT FOUND
DMSUPD002E FILE 'fn ft fm' NOT FOUND

DMSEDI132S FILE 'fn ft fm' TOO LARGE

DMSLIO056E FILE 'fn ft' CONTAINS INVALID RECORD FORMATS
DMSZAP056E FILE 'fn ft' CONTAINS INVALID RECORD FORMATS

DMSGRN007E FILE 'fn ft' IS NOT FIXED, 80 CHAR. RECORDS
DMSZAP007E FILE 'fn ft' IS NOT FIXED, 80 CHAR. RECORDS

DMSZAP208E FILE 'fn ft' IS NOT VARIABLE RECORD FORMAT
DMSZAP210E FILE 'fn ft' IS ON A READ/ONLY DISK

DMSARN002E FILE 'fn ft' NOT FOUND
DMSGLB002W FILE 'fn ft' NOT FOUND
DMSLBM002E FILE 'fn ft' NOT FOUND
DMSLBT002E FILE 'fn ft' NOT FOUND
DMSLBT002W FILE 'fn ft' NOT FOUND
DMSLIO002E FILE 'fn ft' NOT FOUND
DMSMDP002E FILE 'fn ft' NOT FOUND
DMSMOD002E FILE 'fn ft' NOT FOUND
DMSSLN002E FILE 'fn ft' NOT FOUND
DMSZAP002E FILE 'fn ft' NOT FOUND
DMSZAP002W FILE 'fn ft' NOT FOUND

DMSARX007E FILE 'fn ASM3705' IS NOT FIXED, 80-CHAR. RECORDS
DMSARX002E FILE 'fn ASM3705' NOT FOUND

DMSASM007E FILE 'fn ASSEMBLE' IS NOT FIXED, 80-CHAR. RECORDS
DMSASM002E FILE 'fn ASSEMBLE' NOT FOUND
DMSLKD002E FILE 'fn ASSEMBLE' NOT FOUND
DMSNCP002E FILE 'fn ASSEMBLE' NOT FOUND

DMSERV002E FILE 'fn ESERV' NOT FOUND

DMSLGT002I FILE 'fn' TXTLIB NOT FOUND
DMSLIO002I FILE 'fn' TXTLIB NOT FOUND

DMSAMS007E FILE 'fname1 AMSERV fm' NOT FIXED 80-CHAR. RECORDS
DMSAMS002E FILE 'fname1 AMSERV' NOT FOUND

DMSAMS722I FILE 'fname2 LISTING fm' WILL HOLD AMSERV OUTPUT

DMSACC002E FILE 'DMSROS TEXT' NOT FOUND
DMSEDI024E FILE 'EDIT CMSUT1 fm' ALREADY EXISTS
DMSUPD024E FILE 'UPDATE CMSUT1 fm' ALREADY EXISTS
DMSFOR253E FILE fn ft fm CANNOT BE HANDLED WITH SUPPLIED PARAMETER LIST
DMSLST002E FILE NOT FOUND
DMSFNS908T FILE SYSTEM ERROR DETECTED. VIRTUAL ADDR 'cuu'.  REASON CODE 'nn'.

DMSACC060E FILE(S) 'fn [ft [fm]]' NOT FOUND. DISK 'mode(cuu)' WILL NOT BE ACCESSED

DMSFLD224E FILEID ALREADY IN USE
DMSARX038E FILEID CONFLICT FOR DDNAME 'ASM3705'
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DMSASM038E FILEID CONFLICT FOR DDNAME 'ASSEMBLE'

DMSCMP209W FILES DO NOT COMPARE

DMSFOR603R FORMAT WILL ERASE ALL FILES ON DISK 'mode(cuu)'. DO YOU WISH TO CONTINUE? (YES|NO):

DMSFOR733I FORMATTING DISK 'mode'

DMSFRE167T FREE STORAGE MANAGEMENT ERROR, INTERNAL CODE ERROR nn
DMSDOS094E FROM ADDRESS ON MVCOM MACRO INVALID

DMSNCP099W GENERATION PARAMETERS INCOMPATIBLE WITH VM/370

DMSHLP251E HELP PROCESSING ERROR, CODE nnn 'description'

DMSHLP907T I/O ERROR ON FILE 'fn ft fm'
DMSLBM907T I/O ERROR ON FILE 'fn ft fm'
DMSLIO907T I/O ERROR ON FILE 'fn ft fm'

DMSMVE128S I/O ERROR ON INPUT AFTER READING nnn RECORDS: INPUT ERROR code ON ddname
DMSMVE129S I/O ERROR ON OUTPUT WRITING RECORD NUMBER nnnn: OUTPUT ERROR code ON ddname

DMSHLP250S I/O ERROR OR DEVICE ERROR

DMSLDS222E I/O ERROR READING 'data set name' FROM {'fm'|OS|DOS} DISK
DMSREA830E I/O ERROR READING A RECORD FROM THE ERROR RECORDING CYLINDERS
DMSLDS231E I/O ERROR READING VTOC FROM {'fm'|OS|DOS} DISK

DMSCMP019E IDENTICAL FILEIDS
DMSRNM019E IDENTICAL FILEIDS
DMSSRT019E IDENTICAL FILEIDS

DMSCPY903T IMPOSSIBLE PHASE CODE 'xx'

DMSDLB305E INCOMPLETE EXTENT RANGE

DMSCMP054E INCOMPLETE FILEID SPECIFIED
DMSCPY054E INCOMPLETE FILEID SPECIFIED
DMSDSK054E INCOMPLETE FILEID SPECIFIED
DMSEDI054E INCOMPLETE FILEID SPECIFIED
DMSERS054E INCOMPLETE FILEID SPECIFIED
DMSGRN054E INCOMPLETE FILEID SPECIFIED
DMSPRT054E INCOMPLETE FILEID SPECIFIED
DMSPUN054E INCOMPLETE FILEID SPECIFIED
DMSRDC054E INCOMPLETE FILEID SPECIFIED
DMSRNM054E INCOMPLETE FILEID SPECIFIED
DMSSRT054E INCOMPLETE FILEID SPECIFIED
DMSSTT054E INCOMPLETE FILEID SPECIFIED
DMSTYP054E INCOMPLETE FILEID SPECIFIED

DMSMVE041E INPUT AND OUTPUT FILES ARE THE SAME

DMSSRV411S INPUT ERROR CODE 'nn' ON {SYSRES|SYSSLB}
DMSFCH411S INPUT ERROR CODE 'nn' ON '{SYSRES|SYSCLB}'
DMSRRV411S INPUT ERROR CODE 'nn' ON '{SYSRES|SYSRLB}'
DMSPRV411S INPUT ERROR CODE 'nn' ON 'SYSRES'

DMSCPY068E INPUT FILE 'fn ft fm' NOT IN PACKED FORMAT
DMSUPD210W INPUT FILE SEQUENCE ERROR: '........' TO '........'
DMSHLP002E INPUT FILE(S) 'fn ft fm' NOT FOUND

DMSINI612R INSTALLATION HEADING =

DMSFRE159T INSUFFICIENT STORAGE AVAILABLE TO SATISFY DMSFREE REQUEST FROM addr
DMSUPD300E INSUFFICIENT STORAGE TO BEGIN UPDATE.
DMSUPD299E INSUFFICIENT STORAGE TO COMPLETE UPDATE.

DMSCIO145S INTERVENTION REQUIRED ON {PRINTER|PUNCH}
DMSPIO145S INTERVENTION REQUIRED ON PRINTER

DMSCPY064E INVALID [TRANSLATE] SPECIFICATION AT OR NEAR '........'

DMSCMP062E INVALID * IN FILEID

DMS

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DMSPRT062E INVALID * IN FILEID
DMSPUN062E INVALID * IN FILEID
DMSRDC062E INVALID * IN FILEID
DMSTYP062E INVALID * IN FILEID
DMSDSK062E INVALID * IN FILEID ['fn ft fm']

DMSRNM062E INVALID * IN OUTPUT FILEID
DMSSRT062E INVALID * IN OUTPUT FILEID

DMSVGN369E INVALID - RELEASE 31 OR LATER REQUIRED
DMSUPD183E INVALID {CONTROL|AUX} FILE CONTROL CARD
DMSINI080E INVALID {CYL|BLK} NUMBER - REENTER
DMSSTT062E INVALID 'char' IN FILEID 'fn ft'

DMSCMS095E INVALID ADDRESS 'address'
DMSDOS095E INVALID ADDRESS 'address'
DMSDSV095E INVALID ADDRESS 'address'
DMSGEN095E INVALID ADDRESS 'address'

DMSERV070E INVALID ARGUMENT 'argument'
DMSASN087E INVALID ASSIGNMENT OF 'SYSxxx' TO DEVICE 'device'

DMSDSK078E INVALID CARD IN INPUT DECK
DMSGRN078E INVALID CARD IN INPUT FILE '80 character card image'

DMSCPY062E INVALID CHAR '{=|*|char}' IN FILEID ['fn ft fm]'
DMSUPD185W INVALID CHAR IN SEQUENCE FIELD '........'

DMSFLD704I INVALID CLEAR REQUEST
DMSLBD704I INVALID CLEAR REQUEST

DMSZAP190W INVALID CONTROL RECORD OR NO GO SWITCH SET
DMSINI080E INVALID CYLINDER NUMBER - REENTER

DMSNCP025E INVALID DATA IN 370X CONTROL PROGRAM

DMSDLB221E INVALID DATA SET NAME
DMSLBD221E INVALID DATA SET NAME
DMSLDS221E INVALID DATA SET NAME
DMSFLD221E INVALID DATA SET NAME 'data set name'

DMSDLB086E INVALID DDNAME 'ddname'
DMSMVE086E INVALID DDNAME 'ddname'

DMSFLD027E INVALID DEVICE 'device name'
DMSTLB027E INVALID DEVICE 'device name'
DMSTPE027E INVALID DEVICE 'device name'
DMSASN027E INVALID DEVICE 'device'
DMSERV027E INVALID DEVICE 'device' FOR SYSxxx
DMSDSV027E INVALID DEVICE 'nn'

DMSINI079E INVALID DEVICE ADDRESS - REENTER
DMSACC017E INVALID DEVICE ADDRESS 'cuu'
DMSARE017E INVALID DEVICE ADDRESS 'cuu'
DMSFOR017E INVALID DEVICE ADDRESS 'cuu'
DMSTPE017E INVALID DEVICE ADDRESS 'cuu'

DMSASN090E INVALID DEVICE CLASS 'deviceclass' FOR 'device'

DMSFRE160T INVALID DMSFREE CALL FROM addr
DMSFRE161T INVALID DMSFRET CALL FROM addr, ERROR NUMBER nn

DMSLDS227W INVALID EXTENT FOUND FOR 'datasetname' ON 'fm' DISK

DMSMOD032E INVALID FILETYPE 'ft'
DMSSYN032E INVALID FILETYPE 'ft'

DMSDSK014E INVALID FUNCTION 'function'
DMSDSL014E INVALID FUNCTION 'function'
DMSGLB014E INVALID FUNCTION 'function'
DMSLBM014E INVALID FUNCTION 'function'
DMSLBT014E INVALID FUNCTION 'function'
DMSOVR014E INVALID FUNCTION 'function'
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DMSQRY014E INVALID FUNCTION 'function'
DMSSET014E INVALID FUNCTION 'function'
DMSTPE014E INVALID FUNCTION 'function'
DMSZAP014E INVALID FUNCTION 'function'

DMSSMN133S INVALID GETMAIN OR FREEMAIN SPECIFICATION
DMSSTG133S INVALID GETMAIN OR FREEMAIN SPECIFICATION

DMSTYP049E INVALID LINE NUMBER 'line number'

DMSCPY048E INVALID MODE 'fm'
DMSACC048E INVALID MODE 'mode'
DMSARE048E INVALID MODE 'mode'
DMSDLB048E INVALID MODE 'mode'
DMSDSK048E INVALID MODE 'mode'
DMSERS048E INVALID MODE 'mode'
DMSFOR048E INVALID MODE 'mode'
DMSGRN048E INVALID MODE 'mode'
DMSLDS048E INVALID MODE 'mode'
DMSLST048E INVALID MODE 'mode'
DMSMVE048E INVALID MODE 'mode'
DMSPRT048E INVALID MODE 'mode'
DMSRNM048E INVALID MODE 'mode'
DMSRUN048E INVALID MODE 'mode'
DMSSET048E INVALID MODE 'mode'
DMSSTT048E INVALID MODE 'mode'
DMSTPE048E INVALID MODE 'mode'
DMSUPD048E INVALID MODE 'mode'

DMSRNM051E INVALID MODE CHANGE

DMSDLB304E INVALID OPERAND VALUE 'value'

DMSACC003E INVALID OPTION 'option'
DMSAMS003E INVALID OPTION 'option'
DMSARN003E INVALID OPTION 'option'
DMSARX003E INVALID OPTION 'option'
DMSASM003E INVALID OPTION 'option'
DMSASN003E INVALID OPTION 'option'
DMSCMP003E INVALID OPTION 'option'
DMSCPY003E INVALID OPTION 'option'
DMSDLB003E INVALID OPTION 'option'
DMSDLK003E INVALID OPTION 'option'
DMSDSL003E INVALID OPTION 'option'
DMSDSV003E INVALID OPTION 'option'
DMSEDI003E INVALID OPTION 'option'
DMSERS003E INVALID OPTION 'option'
DMSFET003E INVALID OPTION 'option'
DMSFLD003E INVALID OPTION 'option'
DMSFOR003E INVALID OPTION 'option'
DMSGRN003E INVALID OPTION 'option'
DMSHLP003E INVALID OPTION 'option'
DMSLBD003E INVALID OPTION 'option'
DMSLBM003E INVALID OPTION 'option'
DMSLBT003E INVALID OPTION 'option'
DMSLDS003E INVALID OPTION 'option'
DMSLIO003E INVALID OPTION 'option'
DMSLLU003E INVALID OPTION 'option'
DMSLST003E INVALID OPTION 'option'
DMSMOD003E INVALID OPTION 'option'
DMSMVE003E INVALID OPTION 'option'
DMSNCP003E INVALID OPTION 'option'
DMSPRT003E INVALID OPTION 'option'
DMSPRV003E INVALID OPTION 'option'
DMSPUN003E INVALID OPTION 'option'
DMSRNM003E INVALID OPTION 'option'
DMSRRV003E INVALID OPTION 'option'
DMSSRV003E INVALID OPTION 'option'
DMSSYN003E INVALID OPTION 'option'
DMSTMA003E INVALID OPTION 'option'
DMSTPD003E INVALID OPTION 'option'
DMSTPE003E INVALID OPTION 'option'
DMSTYP003E INVALID OPTION 'option'
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DMSUPD003E INVALID OPTION 'option'
DMSZAP003E INVALID OPTION 'option'

DMSAMS070E INVALID PARAMETER 'parameter'
DMSARE070E INVALID PARAMETER 'parameter'
DMSARX070E INVALID PARAMETER 'parameter'
DMSASM070E INVALID PARAMETER 'parameter'
DMSASN029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD.
DMSASN070E INVALID PARAMETER 'parameter'
DMSCMP029E INVALID PARAMETER 'parameter' IN THE OPTION 'COL' FIELD
DMSCPY029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
DMSDLB070E INVALID PARAMETER 'parameter'
DMSDLK070E INVALID PARAMETER 'parameter'
DMSDSK070E INVALID PARAMETER 'parameter'
DMSDSL070E INVALID PARAMETER 'parameter'
DMSDSV070E INVALID PARAMETER 'parameter'
DMSEDI029E INVALID PARAMETER 'parameter' IN THE OPTION 'LRECL' FIELD
DMSERS070E INVALID PARAMETER 'parameter'
DMSFET029E INVALID PARAMETER 'parameter' IN THE OPTION 'ORIGIN' FIELD
DMSFET070E INVALID PARAMETER 'parameter'
DMSFLD029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
DMSFLD070E INVALID PARAMETER 'parameter'
DMSFOR070E INVALID PARAMETER 'parameter'
DMSGND070E INVALID PARAMETER 'parameter'
DMSIFC070E INVALID PARAMETER 'parameter'
DMSLBD070E INVALID PARAMETER 'parameter'
DMSLBM070E INVALID PARAMETER 'parameter'
DMSLIO029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
DMSLKD070E INVALID PARAMETER 'parameter'
DMSLLU070E INVALID PARAMETER 'parameter'
DMSLST070E INVALID PARAMETER 'parameter'
DMSMDP070E INVALID PARAMETER 'parameter'
DMSMOD070E INVALID PARAMETER 'parameter'
DMSMVE070E INVALID PARAMETER 'parameter'
DMSOPT070E INVALID PARAMETER 'parameter'
DMSPRT029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
DMSPRT070E INVALID PARAMETER 'parameter'
DMSPRV070E INVALID PARAMETER 'parameter'
DMSQRY026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION
DMSQRY070E INVALID PARAMETER 'parameter'
DMSRRV070E INVALID PARAMETER 'parameter'
DMSRUN070E INVALID PARAMETER 'parameter'
DMSSET026E INVALID PARAMETER 'parameter' FOR 'function' FUNCTION
DMSSET070E INVALID PARAMETER 'parameter'
DMSSRT070E INVALID PARAMETER 'parameter'
DMSSRV070E INVALID PARAMETER 'parameter'
DMSSSK070E INVALID PARAMETER 'parameter'
DMSSTT070E INVALID PARAMETER 'parameter'
DMSTMA070E INVALID PARAMETER 'parameter'
DMSTPE029E INVALID PARAMETER 'parameter' IN THE OPTION 'option' FIELD
DMSTPE070E INVALID PARAMETER 'parameter'
DMSTYP029E INVALID PARAMETER 'parameter' [IN THE OPTION 'option' FIELD]
DMSUPD070E INVALID PARAMETER 'parameter'
DMSVMF070E INVALID PARAMETER 'parameter'
DMSVPD070E INVALID PARAMETER 'parameter'
DMSZAP070E INVALID PARAMETER 'parameter'
DMSLBD029E INVALID PARAMETER 'paramter' IN THE OPTION 'option' FILEID

DMSDMP020W INVALID PDUMP ADDRESS 'address' - NO DUMP OPERATION PERFORMED

DMSTMA057E INVALID RECORD FORMAT
DMSTPE057E INVALID RECORD FORMAT

DMSINI081E INVALID REPLY - ANSWER "YES" OR "NO"
DMSVGN360E INVALID RESPONSE 'response'.
DMSSRT053E INVALID SORT FIELD PAIR DEFINED
DMSSSK363E INVALID STARTING ADDRESS 'startadr'
DMSSSK362E INVALID STORAGE PROTECT KEY 'key'

DMSASN035E INVALID TAPE MODE
DMSFLD035E INVALID TAPE MODE
DMSVMF035E INVALID TAPE MODE
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DMSUPD207W INVALID UPDATE FILE CONTROL CARD
DMSMOD084E INVALID USE OF 'FROM' AND 'TO' OPTIONS
DMSZAP248W INVALID VER/REP DISP - SET NO GO SWITCH

DMSINI608R IPL DEVICE ADDRESS = cuu
DMSINI082E IPL DEVICE ERROR - REENTER
DMSINI902T IPL DEVICE READ I/O ERROR
DMSINI131S IPL DEVICE WRITE I/O ERROR

DMSDOS160S JOB CANCELED DUE TO PROGRAM REQUEST
DMSBTP106E JOB CARD FORMAT INVALID

DMSCPY157E LABEL 'label' NOT FOUND IN FILE 'fn ft fm'

DMSLBM213W LIBRARY 'fn ft fm' NOT CREATED
DMSLBT213W LIBRARY 'fn ft fm' NOT CREATED
DMSDLK210E LIBRARY 'fn ft' IS ON A READ-ONLY DISK
DMSDSL213W LIBRARY 'fn DOSLIB fm' NOT CREATED.

DMSVGN362I LINK EDITING sysname

DMSLIO116S LOADER TABLE OVERFLOW
DMSMOD116S LOADER TABLE OVERFLOW
DMSSET031E LOADER TABLES CANNOT BE MODIFIED

DMSLBM157S MACLIB LIMIT EXCEEDED [, LAST MEMBER ADDED WAS 'membername']

DMSDLB320I MAXIMUM NUMBER OF DISK ENTRIES RECORDED
DMSDLB321I MAXIMUM NUMBER OF EXTENTS RECORDED
DMSSRT212E MAXIMUM NUMBER OF RECORDS EXCEEDED
DMSITS135S MAXIMUM SVC DEPTH 20 HAS BEEN EXCEEDED WITH CALL AT addr

DMSZAP247W MEMBER 'name' NOT FOUND - SET NO GO SWITCH
DMSLBM013W MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'
DMSLBT013E MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'
DMSNCP013E MEMBER 'name' NOT FOUND IN LIBRARY 'fn ft fm'
DMSPRT013E MEMBER 'name' NOT FOUND IN LIBRARY
DMSPUN013E MEMBER 'name' NOT FOUND IN LIBRARY
DMSTYP013E MEMBER 'name' NOT FOUND IN LIBRARY
DMSZAP751I MEMBER FOUND IN LIBRARY 'fn'

DMSUPD179E MISSING OR DUPLICATE 'MACS' CARD IN CONTROL FILE 'fn ft fm'
DMSUPD180W MISSING PTF FILE 'fn ft fm'

DMSRRV004E MODULE 'module' NOT FOUND

DMSARX052E MORE THAN 100 CHARS OF OPTIONS SPECIFIED
DMSASM052E MORE THAN 100 CHARS OF OPTIONS SPECIFIED
DMSIFC831E MORE THAN 100 CHARS OF CPTIONS SPECIFIED
DMSGLB108S MORE THAN 8 LIBRARIES SPECIFIED

DMSDOS093E MVCOM MACRO ATTEMPT TO ALTER OTHER THAN POSITION 12-23 OF COMREG

DMSDSV028W NO {PRIVATE|SYSTEM} TRANSIENT DIRECTORY ENTRIES
DMSCPY063E NO {TRANSLATION|SPECIFICATION} LIST ENTERED
DMSMOD005E NO '{FROM|TO} ENTRY' SPECIFIED

DMSLIO005E NO 'option' SPECIFIED
DMSLKD005E NO 'option' SPECIFIED
DMSQRY005E NO 'option' SPECIFIED
DMSTYP005E NO 'option' SPECIFIED

DMSPRV097E NO 'SYSRES' VOLUME ACTIVE
DMSRRV097E NO 'SYSRES' VOLUME ACTIVE
DMSSRV097E NO 'SYSRES' VOLUME ACTIVE

DMSRUN999E NO ft PROCESSOR FOUND

DMSBTB100E NO BATCH PROCESSOR AVAILABLE
DMSSRV098E NO BOOK NAME SPECIFIED

DMSOPL158E NO CMS/DOS PROCEDURE LIBRARY SUPPORT
DMSASN366E NO CMS/DOS SUPPORT FOR NATIVE 3350 DISK

DMS

DMSCMP005E NO COLUMN SPECIFIED
DMSDSV022W NO CORE IMAGE DIRECTORY

DMSLDS226E NO DATA SET NAME ALLOWED WITH FREE OPTION
DMSAMS228E NO DDNAME ENTERED

DMSARE028E NO DEVICE SPECIFIED
DMSPOR028E NO DEVICE SPECIFIED

DMSGND022E NO DIRECTORY NAME SPECIFIED

DMSPRT039E NO ENTRIES IN LIBRARY 'fn ft fm'
DMSPUN039E NO ENTRIES IN LIBRARY 'fn ft fm'
DMSTYP039E NO ENTRIES IN LIBRARY 'fn ft fm'

DMSLIO055E NO ENTRY POINT DEFINED

DMSRDC042E NO FILEID SPECIFIED
DMSTPE042E NO FILEID SPECIFIED
DMSCPY042E NO FILEID(S) SPECIFIED

DMSLDS223E NO FILEMODE SPECIFIED
DMSAMS001E NO FILENAME SPECIFIED
DMSARN001E NO FILENAME SPECIFIED
DMSARX001E NO FILENAME SPECIFIED
DMSASM001E NO FILENAME SPECIFIED
DMSDLB001E NO FILENAME SPECIFIED
DMSDLK001E NO FILENAME SPECIFIED
DMSERV001E NO FILENAME SPECIFIED
DMSEXC001E NO FILENAME SPECIFIED
DMSLBM001E NO FILENAME SPECIFIED
DMSLBT001E NO FILENAME SPECIFIED
DMSLIO001E NO FILENAME SPECIFIED
DMSLKD001E NO FILENAME SPECIFIED
DMSMDP001E NO FILENAME SPECIFIED
DMSMOD001E NO FILENAME SPECIFIED
DMSNCP001E NO FILENAME SPECIFIED
DMSRUN001E NO FILENAME SPECIFIED
DMSTMA001E NO FILENAME SPECIFIED
DMSUPD001E NO FILENAME SPECIFIED
DMSZAP001E NO FILENAME SPECIFIED

DMSMOD040E NO FILES LOADED

DMSDLB023E NO FILETYPE SPECIFIED
DMSFLD023E NO FILETYPE SPECIFIED
DMSIFC023E NO FILETYPE SPECIFIED
DMSTPE023E NO FILETYPE SPECIFIED

DMSLDS233I NO FREE SPACE AVAILABLE ON 'fm' DISK

DMSDSK047E NO FUNCTION SPECIFIED
DMSDSL047E NO FUNCTION SPECIFIED
DMSDSV047E NO FUNCTION SPECIFIED
DMSGLB047E NO FUNCTION SPECIFIED
DMSLBM047E NO FUNCTION SPECIFIED
DMSLBT047E NO FUNCTION SPECIFIED
DMSOVR047E NO FUNCTION SPECIFIED
DMSQRY047E NO FUNCTION SPECIFIED
DMSSET047E NO FUNCTION SPECIFIED
DMSTPE047E NO FUNCTION SPECIFIED
DMSVMF047E NO FUNCTION SPECIFIED
DMSZAP047E NO FUNCTION SPECIFIED

DMSBTP105E NO JOB CARD PROVIDED

DMSDSL046E NO LIBRARY NAME SPECIFIED
DMSLBM046E NO LIBRARY NAME SPECIFIED
DMSLBT046E NO LIBRARY NAME SPECIFIED

DMSSRT063E NO LIST ENTERED
DMSMDP018E NO LOAD MAP AVAILABLE
DMSZAP246W NO LOADER TABLE PRESENT FOR MODULE 'fn' - SET NO GO SWITCH

DMSASN028E NO LOGICAL UNIT SPECIFIED

DMSLDS229I NO MEMBERS FOUND
DMSRRV098E NO MODULE NAME SPECIFIED

DMSFOR005E NO OPTION 'option' SPECIFIED

DMSDSL098E NO PHASE NAME SPECIFIED
DMSFET098E NO PHASE NAME SPECIFIED

DMSDSV027W NO PRIVATE CORE IMAGE LIBRARY
DMSFCH016E NO PRIVATE CORE IMAGE LIBRARY FOUND

DMSDSV024W NO PROCEDURE DIRECTORY
DMSPRV098E NO PROCEDURE NAME SPECIFIED

DMSLLU006E NO READ/WRITE 'A' DISK ACCESSED
DMSPRV006E NO READ/WRITE 'A' DISK ACCESSED
DMSRRV006E NO READ/WRITE 'A' DISK ACCESSED
DMSSRV006E NO READ/WRITE 'A' DISK ACCESSED
DMSCMS006E NO READ/WRITE 'A' DISK ACCESSED
DMSGEN006E NO READ/WRITE 'A' DISK ACCESSED

DMSARN006E NO READ/WRITE DISK ACCESSED
DMSARX006E NO READ/WRITE DISK ACCESSED
DMSASM006E NO READ/WRITE DISK ACCESSED
DMSDLK006E NO READ/WRITE DISK ACCESSED
DMSSRV006E NO READ/WRITE DISK ACCESSED
DMSLKD006E NO READ/WRITE DISK ACCESSED
DMSVMF006E NO READ/WRITE DISK ACCESSED
DMSAMS006E NO READ/WRITE DISK ACCESSED FOR 'fname2 LISTING'

DMSCPY173E NO RECORDS WERE COPIED TO OUTPUT FILE 'fn ft fm'
DMSDSV023W NO RELOCATABLE DIRECTORY

DMSDSV025W NO SOURCE STATEMENT DIRECTORY
DMSSYN712I NO SYNONYMS. (DMSINA NOT IN NUCLEUS)

DMSBOP302E NO SYSxxx OPERAND SPECIFIED
DMSDLB302E NO SYSxxx OPERAND ENTERED
DMSLLU303E NO SYSxxx SATISFIES REQUEST

DMSSYN711I NO SYSTEM SYNONYMS IN EFFECT
DMSDSV021W NO TRANSIENT DIRECTORY
DMSSET061E NO TRANSLATION CHARACTER SPECIFIED
DMSUPD181E NO UPDATE FILES WERE FOUND

DMSDLB324I NO USER DEFINED DLBL's IN EFFECT
DMSLBD324I NO USER DEFINED LABELDEF's IN EFFECT
DMSQRY324I NO USER DEFINED LABELDEF's IN EFFCT

DMSERR215T NO VIRTUAL CONSOLE ATTACHED. RE-IPL CMS
DMSVIP230E NO. OF VSAM EXIT ROUTINES HAS EXCEEDED MAX OF 128 - UNABLE TO CONTINUE
DMSDLB005E NO'{CAT|BUFSP}' SPECIFIED

DMSFLD420E NSL EXIT FILENAME MISSING OR INVALID
DMSTMA420E NSL EXIT FILENAME MISSING OR INVALID
DMSTPD420E NSL EXIT FILENAME MISSING OR INVALID

DMSINI609R NUCLEUS {CYL|BLK} ADDRESS = nnn
DMSINI083E NUCLEUS {CYL|BLK} SPECIFICATION UNACCEPTABLE, ERROR 'X'
DMSINI609R NUCLEUS CYL ADDRESS = nnn
DMSINI083E NUCLEUS WILL OVERLAY CMS FILES - RECOMPUTE

DMSRDC701I NULL FILE
DMSTPE701I NULL FILE

DMSLBT106S NUMBER OF MEMBER NAMES EXCEEDS MAX 'nnnn'. FILE 'fn ft' NOT ADDED
DMSCPY103S NUMBER OF SPECS EXCEEDS MAX 20

DMSBOP089E OPEN ERROR CODE 'nn' ON {fn|SYSxxx|TAPn}
DMSSOP036E OPEN ERROR CODE 'nn' ON 'ddname'
DMSOPL089E OPEN ERROR CODE 'nn' ON SYSxxx

DMSUPD187E OPTION 'STK' INVALID WITHOUT 'CTL'
DMSACC230W OS DISK - FILEID AND/OR OPTIONS SPECIFIED ARE IGNORED

DMSMVE069E OUTPUT DISK 'mode' IS NOT ACCESSED
DMSMVE037E OUTPUT DISK 'mode' IS READ/ONLY
DMSXCP037E OUTPUT DISK mode (cuu) IS READ/ONLY

DMSSET050E PARAMETER MISSING AFTER {DDNAME|SYSxxx|function}
DMSDLB050E PARAMETER MISSING AFTER DDNAME
DMSFLD050E PARAMETER MISSING AFTER DDNAME
DMSASN050E PARAMETER MISSING AFTER SYSxxx

DMSZAP191W PATCH OVERLAPS - SET NO GO SWITCH
DMSMVE225I PDS MEMBER 'membername' MOVED

DMSFNS909T PERM I/O ERROR ON 'cuu'.   CSW cccccccc cccccccc SENSE ssssssss ssssssss   ssssssss
           ssssssss ssssssss ssssssss.

DMSCRD171T PERMANENT CONSOLE ERROR. RE-IPL CMS.
DMSCWR171T PERMANENT CONSOLE ERROR. RE-IPL CMS.
DMSCIT171T PERMANENT CONSOLE ERROR, RE-IPL CMS.
DMSFOR125S PERMANENT UNIT CHECK ON DISK 'mode(cuu)'

DMSFET710I PHASE 'phase' ENTRY POINT AT LOCATION XXXXXX
DMSDOS004E PHASE 'phase' NOT FOUND
DMSFET004E PHASE 'phase' NOT FOUND
DMSDSL013W PHASE 'phase' NOT FOUND IN LIBRARY 'fn DOSLIB fm'
DMSFCH115E PHASE LOAD POINT LESS THAN 'address'

DMSZAP193W PRECEDING CONTROL RECORD FLUSHED

DMSCMP010E PREMATURE EOF ON FILE ['fn ft [fm]']
DMSTPE010E PREMATURE EOF ON FILE 'fn ft fm'
DMSUPD010W PREMATURE EOF ON FILE 'fn ft fm' -- SEQ NUMBER '........' NOT FOUND

DMSLBM167S PREVIOUS MACLIB FUNCTION NOT FINISHED

DMSDBG113S PRINTER (cuu) NOT ATTACHED
DMSPIO113S PRINTER NOT ATTACHED

DMSPRV004E PROCEDURE 'procedure' NOT FOUND

DMSSTT227I PROCESSING VOLUME 'no' IN DATA SET 'data set name'

DMSLIO206W PSEUDO REGISTER ALIGNMENT ERROR
DMSLIO168S PSEUDO REGISTER TABLE OVERFLOW

DMSDSK205W READER EMPTY OR NOT READY
DMSRDC205W READER EMPTY OR NOT READY

DMSEDI044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM
DMSPRT044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM
DMSPUN044E RECORD LENGTH EXCEEDS ALLOWABLE MAXIMUM
DMSRDC738I RECORD LENGTH IS 'nnn' BYTES

DMSEDI144S REQUESTED FILE IS IN ACTIVE STATUS
DMSINI607R REWRITE THE NUCLEUS? {YES|NO}

DMSITS154T SAVE AREA FOR SVC CALL FROM addr CANNOT BE ALLOCATED
DMSDOS091E SAVEAREA ADDRESS IN PARTITION PIB NOT EQUIVALENT TO LTA SAVEAREA ADDRESS
DMSSET142S SAVED SYSTEM NAME 'name' INVALID

DMSUPD174W SEQUENCE ERROR INTRODUCED IN OUTPUT FILE: '........' TO '........'
DMSUPD182W SEQUENCE INCREMENT IS ZERO
DMSUPD186W SEQUENCE NUMBER '........' NOT FOUND
DMSUPD176W SEQUENCING OVERFLOW FOLLOWING SEQ NUMBER '........'

DMSARN012W SEVERE ERROR MESSAGES ISSUED
DMSLKD012W SEVERE ERROR MESSAGES ISSUED

DMSIFC832S SOFTWARE INCOMPATIBILITY AT THE CPEREP-EREP INTERFACE. CODE=nnn

DMSVGN366I STARTING TO READ PTF DECKS FROM READER...

DMSBOP413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING
DMSDOS413S STORAGE NOT INITIALIZED FOR VSAM PROCESSING

DMSDOS092E STXIT SAVEAREA ADDRESS INVALID
DMSITS136T SVC CALL FROM addr ILLEGALLY RE-ENTERS INTSVC. RE-IPL CMS

DMSDLB306E SYSxxx NOT ASSIGNED FOR 'IGNORE'

DMSSSK400S SYSTEM 'name' DOES NOT EXIST
DMSBOP400S SYSTEM 'sysname' DOES NOT EXIST
DMSSET400S SYSTEM 'sysname' DOES NOT EXIST
DMSVIB400S SYSTEM 'sysname' DOES NOT EXIST
DMSVGN365I SYSTEM sysname SAVED

DMSABN148T SYSTEM ABEND xxx CALLED FROM 'addr'
DMSABN152T SYSTEM ABEND xxx CALLED FROM addr WHILE 'UFDBUSY' = xx. RE-IPL CMS

DMSINI606R SYSTEM DISK ADDRESS = cuu
DMSSET100W SYSTEM NAME 'name' NOT AVAILABLE
DMSSSK365E SYSTEM NAME NOT SPECIFIED

DMSBOP043E TAPn IS FILE PROTECTED
DMSCLS043E TAPn IS FILE PROTECTED
DMSTPE113S TAPn(cuu) NOT ATTACHED

DMSXCP043E TAPE (cuu) IS FILE PROTECTED
DMSVMF113S TAPE 'TAPn(cuu)' NOT ATTACHED
DMSTMA139S TAPE FILE EXCEEDS 9 CMS MACLIBS

DMSVPD113S TAP1(181) NOT ATTACHED.

DMSTPD707I TEN FILES COPIED

DMSMVE706I TERM INPUT -- TYPE NULL LINE FOR END OF DATA

DMSARN016W TERMINAL ERROR MESSAGES ISSUED
DMSLKD016W TERMINAL ERROR MESSAGES ISSUED

DMSLIO201W THE FOLLOWING NAMES ARE UNDEFINED:
DMSCPY172E TO LABEL 'label' {EQUALS|IS AN INITIAL SUBSTRING OF} FRLABEL 'label'
DMSCPY102S TOO MANY FILEIDS

DMSAMS136S UNABLE TO LOAD 'IDCMAS'.
DMSEDI143S UNABLE TO LOAD SAVED SYSTEM OR LOAD MODULE
DMSMVE073E UNABLE TO OPEN FILE ddname

DMSCPY901T UNEXPECTED ERROR AT 'addr': PLIST 'plist' AT 'addr', BASE 'addr', RC 'nn'
DMSXCP161S UNEXPECTED ERROR CODE 'nn' ON 'SYSxxx'
DMSFRE166T UNEXPECTED ERROR IN FREE STORAGE MANAGEMENT ROUTINE (INTERNAL ERROR CODE nn). RE-IPL CMS
DMSCPY904T UNEXPECTED UNPACK ERROR AT 'addr', BASE 'addr'

DMSMVE127S UNSUPPORTED DEVICE FOR ddname
DMSBOP088E UNSUPPORTED DTF TYPE 'dtftype'
DMSCLS088E UNSUPPORTED DTF TYPE 'dtftype'
DMSPDP088E UNSUPPORTED DTF TYPE 'dtftype'
DMSSVT119S UNSUPPORTED FORM OF 'macro' MACRO
DMSDOS096S UNSUPPORTED FUNCTION IN A LIOCS ROUTINE
DMSSTT229E UNSUPPORTED OS DATA SET, ERROR 'code'
DMSDOS121S UNSUPPORTED SVC no. (HEX no.) CALLED FROM caller
DMSSVT121S UNSUPPORTED SVC svc (HEX xx) CALLED FROM addr
DMSITS134S UNSUPPORTED SVC 203 CODE nn CALLED FROM addr.
DMSNCP045E UNSUPPORTED 370X CONTROL PROGRAM TYPE

DMSUPD304I UPDATE PROCESSING WILL BE DONE USING DISK.
DMSSOP036W UPDATE REQUESTED FOR READ-ONLY DISK
DMSUPD178I UPDATING ['fn ft fm'] WITH 'fn ft fm'

DMSABN155T USER ABEND nnnn CALLED FROM addr
DMSSTT228I USER LABELS BYPASSED ON DATA SET 'data set name'

DMSHLP252E VALID OPTIONS ARE: DESC FORM PARM ALL
DMSZAP200W VERIFY REJECT - SET NO GO SWITCH
DMSINI611R VERSION IDENTIFICATION =

DMS

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DMSACC109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSAMS109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSBWR109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSCMP109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSDLB109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSERS109T VIRTUAL STORAGE CAPACITY EXCEEDED
DMSFCH109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSFNS109T VIRTUAL STORAGE CAPACITY EXCEEDED
DMSHLP109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSLBM109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSLIO109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSMOD109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSNCP109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSOVR109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSSMN109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSSOP109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSSTG109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSTMA109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSTPD109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSVIB109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSVIP109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSVMF109S VIRTUAL STORAGE CAPACITY EXCEEDED
DMSVPD109S VIRTUAL STORAGE CAPACITY EXCEEDED

DMSFRE162T VITAL FREE STORAGE POINTERS DESTROYED (INTERNAL ERROR CODE nn), RE-IPL CMS

DMSBOP401S VM SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)
DMSDOS401S VM SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)
DMSSET401S VM SIZE (size) CANNOT EXCEED 'DMSDOS' START ADDRESS (address)
DMSVIB401S VM SIZE (size) CANNOT EXCEED 'sysname' START ADDRESS (address)

DMSSSK364E VM STORAGE NOT LARGE ENOUGH TO CONTAIN SYSTEM LOADING AT startadr to endadr

DMSSET444E VOLUME 'label' IS NOT A DOS SYSRES

DMSARN004W WARNING MESSAGES ISSUED
DMSLKD004W WARNING MESSAGES ISSUED
DMSUPD177I WARNING MESSAGES ISSUED (SEVERITY = nn). ['REP' OPTION IGNORED.]

DMSDIO905S WRITE-INHIBIT SWITCH SET ON DRIVE ...NOTIFY OPERATOR

DMSINI615R Y - DISK ADDRESS = cuu

DMSZAP750I ZAP PROCESSING COMPLETE
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RSCS Message Summary

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DMTAXS640I nn FILE(S) PURGED ON LINK linkid
DMTAXS107I nn PENDING FILES FOR LINK linkid MISSING

DMTCMX300I ACCEPTED BY TASK task
DMTCMX700I ACTIVATING LINK linkid task type vaddr c
DMTINI410R ALSO IPL CYLINDER 0? [YES|NO]

DMTSML530I COMMAND FORWARDED ON LINK linkid
DMTCMX205E CONFLICTING KEYWORD keyword
DMTCMX207E CONFLICTING OPTION keyword option
DMTSML937E DECOMPRESSION ERROR ON linkid -- LINK DEACTIVATED

DMTCMX703E DEV cuu IS NOT A LINE PORT -- LINK linkid NOT ACTIVATED
DMTCMX707E DRIVER type FILE FORMAT INVALID -- LINK linkid NOT ACTIVATED
DMTCMX705E DRIVER type NOT FOUND ON DISK vaddr -- LINK linkid NOT ACTIVATED

DMTCMX706E FATAL ERROR LOADING FROM vaddr -- LINK linkid NOT ACTIVATED

DMTCMX655I FILE spoolid locid userid CL a PR mm REC nnnnn {A|I}
DMTAXS524E FILE spoolid ACTIVE -- NO ACTION TAKEN
DMTCMX661I FILE spoolid ACTIVE ON LINK linkid
DMTNPT510I FILE spoolid BACKSPACED
DMTSML510I FILE spoolid BACKSPACED
DMTAXS520I FILE spoolid CHANGED
DMTAXS101I FILE spoolid ENQUEUED ON LINK linkid
DMTNPT600I FILE spoolid FORWARD SPACED
DMTSML600I FILE spoolid FORWARD SPACED
DMTAXS521I FILE spoolid HELD FOR LINK linkid
DMTCMX660I FILE spoolid INACTIVE ON LINK linkid
DMTAXS525E FILE spoolid IS FOR LINK linkid -- NO ACTION TAKEN
DMTAXS106I FILE spoolid MISSING -- DEQUEUED FROM LINK linkid
DMTNPT581E FILE spoolid NOT ACTIVE
DMTSML581E FILE spoolid NOT ACTIVE
DMTCMX664E FILE spoolid NOT FOUND
DMTAXS526E FILE spoolid NOT FOUND -- NO ACTION TAKEN
DMTCMX662I FILE spoolid ORG locid1 userid1 mm/dd/yy hh:mm:ss TO loclid2 userid2
DMTAXS102I FILE spoolid PENDING FOR LINK linkid
DMTCMX663I FILE spoolid PR mm CL a CO nn {HO|NOH} DI distcode, NA {fn ft|dsname}
DMTNPT580I FILE spoolid PROCESSING TERMINATED
DMTSML580I FILE spoolid PROCESSING TERMINATED
DMTAXS105I FILE spoolid PURGED
DMTAXS103E FILE spoolid REJECTED -- INVALID DESTINATION ADDRESS
DMTAXS522I FILE spoolid RELEASED FOR LINK linkid

DMTAXS104I FILE SPOOLED TO userid2 -- ORG locid1 (name1) mm/dd/yy hh:mm:ss

DMTCMX001I FREE STORAGE = nn PAGES

DMTNPT170I FROM linkid: (MSG message text)
DMTSML170I FROM linkid: (MSG message text)

DMTNPT070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw
DMTSML070E I/O ERROR cuu SIOCC cc CSW csw SENSE sense CCW ccw

DMTNPT934E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED
DMTSML934E ID CARD MISSING ON LINK linkid -- INPUT FILE PURGED

DMTREX091T INITIALIZATION FAILURE -- RSCS SHUTDOWN

DMTCMX201E INVALID COMMAND command
DMTINI480E INVALID CYLINDER NUMBER - REENTER
DMTINI479E INVALID DEVICE ADDRESS - REENTER
DMTCMX204E INVALID KEYWORD keyword
DMTCMX202E INVALID LINK linkid
DMTCMX206E INVALID OPTION keyword option
DMTINI481E INVALID REPLY - ANSWER "YES" OR "NO"
DMTSML906E INVALID SML BUFFER PARAMETER -- LINK linkid NOT ACTIVATED
DMTSML901E INVALID SML MODE SPECIFIED -- LINK linkid NOT ACTIVATED
DMTNPT190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid
DMTSML190E INVALID SPOOL BLOCK FORMAT ON FILE spoolid
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DMTCMX203E INVALID SPOOL FILE ID spoolid
DMTCMX208E INVALID USER ID userid

DMTINI402T IPL DEVICE READ I/O ERROR
DMTINI431S IPL DEVICE WRITE I/O ERROR

DMTCMX704E LINE vaddr CC=3 NOT OPERATIONAL -- LINK linkid NOT ACTIVATED
DMTNPT160I LINE vaddr DISABLED FOR LINK linkid
DMTSML160I LINE vaddr DISABLED FOR LINK linkid
DMTCMX702E LINE vaddr IS IN USE BY LINK linkid1 -- LINK linkid2 NOT ACTIVATED
DMTNPT141I LINE vaddr READY FOR CONNECTION TO LINK linkid
DMTSML141I LINE vaddr READY FOR CONNECTION TO LINK linkid


DMTSML935E LINK linkid IN RJE MODE -- PRINT FILE (spoolid) PURGED
DMTCMX670I LINK linkid ACTIVE -- LINE vaddr {HO|NOH}
DMTCMX551E LINK linkid ACTIVE -- NOT DELETED
DMTCMX542E LINK linkid ACTIVE -- NOT REDEFINED
DMTCMX652I LINK linkid ACTIVE task type vaddr c {HO|NOH} {DR|NOD} {TRA|TRE|NOT} Q=m P=n
DMTCMX751I LINK linkid ALREADY ACTIVE -- NEW CLASS(ES) SET AS REQUESTED
DMTCMX750E LINK linkid ALREADY ACTIVE -- NO ACTION TAKEN
DMTNPT612E LINK linkid ALREADY IN HOLD STATUS
DMTSML612E LINK linkid ALREADY IN HOLD STATUS
DMTNPT571E LINK linkid ALREADY SET TO DEACTIVATE
DMTSML571E LINK linkid ALREADY SET TO DEACTIVATE
DMTREX002I LINK linkid DEACTIVATED
DMTCMX653I LINK linkid DEFAULT task type vaddr c R=m
DMTNPT801I LINK linkid ERROR TRACE STARTED
DMTSML801I LINK linkid ERROR TRACE STARTED
DMTCMX003I LINK linkid EXECUTING: (command line text)
DMTNPT611I LINK linkid FILE TRANSMISSION SUSPENDED
DMTSML611I LINK linkid FILE TRANSMISSION SUSPENDED
DMTCMX552E LINK linkid HAS A FILE QUEUE -- NOT DELETED
DMTCMX651I LINK linkid INACTIVE
DMTCMX671I LINK linkid INACTIVE
DMTCMX303E LINK linkid IS NOT ACTIVE
DMTCMX302E LINK linkid IS NOT DEFINED
DMTNPT142I LINK linkid LINE vaddr CONNECTED
DMTSML142I LINK linkid LINE vaddr CONNECTED
DMTNPT143I LINK linkid LINE vaddr DISCONNECTED
DMTSML143I LINK linkid LINE vaddr DISCONNECTED
DMTNPT149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS= nnn; TMOUTS= ppp
DMTSML149I LINK linkid LINE ACTIVITY: TOT= mmm; ERRS= nnn; TMOUTS= ppp
DMTCMX543E LINK linkid NOT DEFINED -- LINK LIMIT REACHED
DMTCMX544E LINK linkid NOT DEFINED -- TYPE NOT SPECIFIED
DMTNPT591E LINK linkid NOT IN HOLD STATUS
DMTSML591E LINK linkid NOT IN HOLD STATUS
DMTCMX550I LINK linkid NOW DELETED
DMTNPT570I LINK linkid NOW SET TO DEACTIVATE
DMTSML570I LINK linkid NOW SET TO DEACTIVATE
DMTCMX654I LINK linkid Q=m P=n
DMTAXS523I LINK linkid QUEUE REORDERED
DMTCMX541I LINK linkid REDEFINED
DMTNPT590I LINK linkid RESUMING FILE TRANSFER
DMTSML590I LINK linkid RESUMING FILE TRANSFER
DMTCMX752I LINK linkid STILL ACTIVE -- DRAIN STATUS RESET
DMTNPT610I LINK linkid TO SUSPEND FILE TRANSMISSION
DMTSML610I LINK linkid TO SUSPEND FILE TRANSMISSION
DMTNPT810E LINK linkid TRACE ALREADY ACTIVE
DMTSML810E LINK linkid TRACE ALREADY ACTIVE
DMTNPT803I LINK linkid TRACE ENDED
DMTSML803I LINK linkid TRACE ENDED
DMTNPT811E LINK linkid TRACE NOT ACTIVE
DMTSML811E LINK linkid TRACE NOT ACTIVE
DMTNPT802I LINK linkid TRACE STARTED
DMTSML802I LINK linkid TRACE STARTED

DMTCMX710E MAX (nn) ACTIVE -- LINK linkid NOT ACTIVATED

DMTCMX540I NEW LINK linkid DEFINED

DMTNPT511E NO FILE ACTIVE ON LINK linkid
DMTSML511E NO FILE ACTIVE ON LINK linkid
DMTCMX672I NO LINK ACTIVE
```

```
DMTCMX673I NO LINK DEFINED
DMTNPT936E NO REMOTE PUNCH AVAILABLE ON LINK linkid -- FILE spoolid PURGED
DMTCMX701E NO SWITCHED LINE AVAILABLE -- LINK linkid NOT ACTIVATED
DMTNPT902E NON-SIGNON CARD READ ON LINK linkid
DMTSML902E NON-SIGNON CARD READ ON LINK linkid

DMTINI409R NUCLEUS CYL ADDRESS = nnn
DMTINI483E NUCLEUS WILL OVERLAY CMS FILES - RECOMPUTE

DMTNPT903E PASSWORD SUPPLIED ON LINK linkid IS INVALID
DMTSML903E PASSWORD SUPPLIED ON LINK linkid IS INVALID

DMTNPT145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTSML145I RECEIVED: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTNPT144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)
DMTSML144I RECEIVING: FILE FROM locid1 (name1) FOR locid2 (userid2)

DMTCMX304E REJECTED BY TASK task -- NOT RECEIVING
DMTCMX301E REJECTED BY TASK task -- PREVIOUS COMMAND ACTIVE

DMTINI407R REWRITE THE NUCLEUS? (YES|NO)

DMTCMX200I RSCS
DMTREX000I RSCS (VER v, LEV l, mm/dd/yy) READY
DMTCMX560I RSCS DISCONNECTING

DMTNPT146I SENDING: FILE spoolid ON LINK linkid, REC nnnnnn
DMTSML146I SENDING: FILE spoolid ON LINK linkid, REC nnnnnn
DMTNPT147I SENT: FILE spoolid ON LINK linkid
DMTSML147I SENT: FILE spoolid ON LINK linkid

DMTNPT905I SIGNON OF LINKID linkid COMPLETE
DMTSML905I SIGNON OF LINKID linkid COMPLETE
DMTNPT904E SIGNON PARAMETER="parameter" INVALID
DMTNPT907E SIGNON TYPE PARAMETER MISSING

DMTINI406R SYSTEM DISK ADDRESS = cuu
DMTINI482E SYSTEM DISK ERROR -- REENTER

DMTAXS108E SYSTEM ERROR READING SPOOL FILE spoolid
DMTNPT108E SYSTEM ERROR READING SPOOL FILE spoolid
DMTSML108E SYSTEM ERROR READING SPOOL FILE spoolid

DMTCMX709E TASK NAME task ALREADY IN USE -- LINK linkid NOT ACTIVATED

DMTCMX561E USERID userid NOT RECEIVING

DMTCMX708E VIRTUAL STORAGE CAPACITY EXCEEDED -- LINK linkid NOT ACTIVATED
```

DMM

IPCS Message Summary

DMMCPA805I xxxxxx ABEND CODE NOT DOCUMENTED

DMMMOD706I 'entry name' NOT FOUND IN THE LOAD MAP

DMMMOD707I 'module' 'page' PAGE NOT VALID

DMMEXT800S DATA EXTRACTION FAILURE
DMMIOB712I DEVICE 'cuu' NOT FOUND
DMMEDM061E DUMP FILE 'filename' NOT FOUND

DMMDSC701R ENTER DUMP NUMBER AND MODE
DMMMAP806R ENTER FN FT FM OF NUCLEUS LOAD MAP OR ENTER NULL

DMMINI300S ERROR 'nnn' ON FSSTATE 'filename filetype fm'
DMMPRO300S ERROR 'nnn' ON FSSTATE 'filename filetype fm'

DMMMAP810I ERROR 'nnn' READING FILE 'fileid'
DMMGET100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMGRC100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMINI100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMMOD100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMPRO100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMREG100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMSEA100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMSTA100S ERROR 'nnn' READING FILE 'filename filetype fm'
DMMSUM100S ERROR 'nnn' READING FILE 'filename filetype fm'

DMMINI200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
DMMMAP200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
DMMPRM200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
DMMPRO200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
DMMSTA200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
DMMSUM200S ERROR 'nnn' WRITING FILE 'filename filetype fm'
DMMWRT200S ERROR 'nnn' WRITING FILE 'filename filetype fm'

DMMMOD705E ERROR IN ITEM TABLE

DMMSUM501S INVALID PARM 'badparm' PASSED TO SUMMARY UPDATE PROGRAM
DMMLOC717I INVALID FORM OF LOCATE COMMAND

DMMMOD718I LOAD MAP NOT IN DUMP

DMMVMB711I LOOP IN VMBLOK CHAIN
DMMSCR709I NO VALID SCROLL ADDRESS

DMMFED703I NON-HEX CHARACTER IN ADDRESS - RETRY
DMMFED704I NON-HEX CHARACTER IN ADDRESS - RETRY
DMMFED702I NON-HEX CHARACTER IN INPUT - RETRY
DMMFED714I NON-HEX CHARACTER IN STRING

DMMTRC710I NON-NUMERIC COUNT CHARACTER - RETRY

DMMMAP801I NUC MAP 'fileid' IS NOT VALID FOR THIS DUMP
DMMMAP808I NUCLEUS MAP INVALID 'fn ft fm'

DMMSTA601I OPERAND 'operand' NOT RECOGNIZED

DMMGET708I PAGE 'page' NOT FOUND IN DUMP

DMMMAP802I PROCEEDING...

DMMPRM804I PROCESSING ERROR IN DATA EXTRACTION

DMMSUM502S PROBLEM 'PRBnnn' NOT FOUND IN SYMPTOM SUMMARY

DMMGRC809I REQUESTED ADDRESS NOT IN DUMP

DMMLOC716I STRING 'string' NOT FOUND
DMMLOC716I STRING 'string' NOT FOUND BEFORE END OF DUMP

DMMDSC700I TYPE 'HELP' OR ENTER

DMMMAP807I UNABLE TO LOCATE 'fileid'

DMMIOB713I USER 'userid' VMBLOK NOT FOUND

Appendix E: VM/370 Restrictions

A virtual machine created by VM/370 is capable of running an IBM System/360 or System/370 operating system as long as certain VM/370 restrictions are not violated. Virtual machine restrictions and certain execution characteristics are stated in this appendix.

Dynamically Modified Channel Programs

In general, virtual machines may not execute channel programs that are dynamically modified (that is, channel programs that are changed between the time the START I/O (SIO) is issued and the time the input/output ends, either by the channel program itself or by the processor).

Exceptions (that is, dynamically modified channel programs given special consideration by CP) are:

- Those generated by the Indexed Sequential Access Method (ISAM) running under OS/PCP, OS/MFT, and OS/MVT

- Those generated by ISAM running in an OS/VS virtual=real partition

- Those generated by the OS/VS Telecommunications Access Method (TCAM) Level 5, with the VM/370 option

- Those containing polling sequences

The self-modifying channel programs that ISAM generates for some of its operations receive special handling if the virtual machine using ISAM has that option specified in its VM/370 directory entry. There is no such restriction for DOS ISAM, or for ISAM if it is running in an OS/VS virtual=virtual partition. If ISAM is to run in an OS/VS virtual=real partition, you must specify the ISAM option in the VM/370 directory entry for the OS/VS virtual machine.

Virtual machines using OS/VS TCAM (Level 5, generated or invoked with the VM/370 option) issue a DIAGNOSE instruction when the channel program is modified. This instruction causes CP to reflect the change in the virtual CCW string to the real CCW string being executed by the channel. CP is then able to execute the dynamically modified channel program properly.

When a virtual machine starts a channel program containing a polling sequence, the CCW translation sets a PCI bit in the real CCW string. Each time the real CCW string is executed, the resulting PCI interruption causes CP to examine the corresponding virtual CCW string for changes. Any changes to the virtual CCW string are also made to the real CCW string while it is executing.

The restriction against dynamically modified channel programs does not apply if the virtual machine has the virtual=real performance option and the NOTRANS option has been set on.

Minidisk Restrictions

The following restrictions exist for minidisks:

1. In the case of read home address with the skip bit off, VM/370 modifies the home address data in user storage at the completion of the channel program because the addresses must be converted for minidisks; therefore, the data buffer area may not be dynamically modified during the input/output operation.

- - - (Basic System Extensions) - - -

2. In the case of read device characteristics to an FB-512 device with the skip bit off, VM/370 modifies the data in user storage at completion of the channel program so the data reflects the true minidisk size and characteristics. Therefore, the data buffer area cannot be dynamically modified during the input/output operation.

   Note: The user should not attempt to use this data during the I/O operation.

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3. On a minidisk, if a CCW string uses multitrack search on input/output operations, subsequent operations to that disk must have preceding seeks or continue to use multitrack operations. There is no restriction for dedicated disks.

4. OS/PCP, MFT, and MVT ISAM or OS/VS ISAM running virtual=real may be used with a minidisk only if the minidisk is located at the beginning of the physical disk (that is, at cylinder 0). There is no such restriction for DOS ISAM or OS/VS ISAM running virtual=virtual.

   Note: Because the VS1 system does no paging, any ISAM programs run under VS1 are treated by VM/370 as though they are running in an ADDRSPC=REAL partition.

5. VM/370 does not return an end-of-cylinder condition to a virtual machine that has a virtual 2311 mapped to the top half (that is, tracks 0 through 9) of 2314 or 2319 cylinders.

6. If the user's channel program for a count-key-data minidisk does not perform a seek operation, then to prevent accidental accessing, VM/370 inserts a positioning seek operation into the user's channel program. Thus, certain channel programs may generate a condition code (CC) of 0 on a SIO instead of an expected CC of 1, which is reflected to the virtual machine. The final status is reflected to the virtual machine as an interrupt.

7. A DASD channel program directed to a 3330, 3340, or 3350 device may give results on dedicated drives which differ from results on minidisks having non-zero relocation factors if the channel program includes multiple-track operations and depends on a search ID high or a search ID equal or high to terminate the program. This is because the record 0 count fields on the 3330, 3340, and 3350 must contain the real cylinder number of the track on which they reside. Therefore, a search ID high, for example, based on a low virtual cylinder number may terminate prematurely if a real record 0 is encountered.

   Notes:

   1. Minidisks with non-zero relocation factors on 3330, 3340, and 3350 devices are not usable under OS and OS/VS systems. This is because the locate catalog management function employs a search ID equal or high CCW to find the end of the VTOC.

   2. This restriction also applies to minidisks with a VTOC of more than one track.

8. The IBCDASDI program cannot assign alternate tracks for a 3330, 3340, or 3350 or FB-512 minidisk.

9. If the DASD channel programs directed to 3330/3340/3350 devices include a write record R(0), results differ depending on whether the 3330/3340/3350 is dedicated (this includes a minidisk defined as the entire device) or nondedicated. For a dedicated 3330/3340/3350, a write R(0) is allowed, but the user must be aware that the track descriptor record may not be valid from one 3330/3340/3350 to another. For a nondedicated 3330/3340/3350, a write record R(0) is replaced by a read record R(0) and the skip flag is set on. This could result in a command reject condition due to an invalid command sequence.

10. When performing DASD I/O, if the record field of a search ID argument is zero when a virtual Start I/O is issued, but the search ID argument is dynamically read by the channel program before the search ID CCW is executed, then the real search ID uses the relocated search argument instead of the argument that was read dynamically. To avoid this problem, the record field of a search ID argument should not be set to binary zero if the search argument is to be dynamically read or if a search ID on record 0 is not intended.

- - - (Basic System Extensions) - - -

11. On FB-512 devices, the use of the CE area is different for dedicated devices and minidisks. Any user with a dedicated device can use the CE area. However, only class F users can use the CE area for minidisks.

12. FB-512 diagnostic commands are also handled differently for dedicated devices and minidisks. Any user with a dedicated device can issue diagnostic CCWs. For minidisks, however, only users with a minidisk equal to the size of the entire pack can issue a diagnostic control command. Because diagnostic sense commands must be chained from a diagnostic control command, this restriction indirectly applies to those commands also.

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Timing Dependencies

Timing dependencies in input/output devices or programming do not function consistently under VM/370:

1. The following telecommunication access methods (or the designated option) violate the restriction on timing dependency by using program-controlled interrupt techniques and/or the restriction on dynamically modified channel programs:

   - OS Basic Telecommunications Access Method (BTAM) with the dynamic buffering option.

   - OS Queued Telecommunications Access Method (QTAM).

   - DOS Queued Telecommunications Access Method (QTAM).

   - OS Telecommunications Access Method (TCAM).

   - OS/VS Telecommunications Access Method (TCAM) Level 4 or earlier, and Level 5 if TCAM is not generated or invoked with the VM/370 option.

   These access methods may run in a virtual=real machine with CCW translation suppressed by the SET NOTRANS ON command. Even if SET NOTRANS ON is issued, CCW translation will take place if one of the following conditions is in effect:

   - The channel program is directed at a nondedicated device (such as a spooled unit record device, a virtual CTCA, a minidisk, or a console).

   - The channel program starts with a SENSE operation code.

   - The channel program is for a dialed terminal invoked by the DIAL command.

   - START I/O tracing is in effect.

   - The CAW is in page zero or beyond the end of the virtual=real area.

(OS BTAM can be generated without dynamic buffering, in which case no virtual machine execution violations occur. However, the BTAM reset poll macro will not execute under VM/370 if issued from third level storage. For example, a reset poll macro has a NOP effect if executed from a virtual=virtual storage under VS1 which is running under VM/370.)

2. Programming that makes use of the PCI channel interrupt for channel program modification or processor signalling must be written so that processing can continue normally if the PCI is not recognized until I/O completion or if the modifications performed are not executed by the channel.

3. Devices that expect a response to an interrupt within a fixed period of time may not function correctly because of execution delays caused by normal VM/370 system processing. An example of such a device is the IBM 1419 Magnetic Character Reader.

4. The operation of a virtual block multiplexer channel is timing dependent. For this reason, the channel appears available to the virtual machine operating system, and channel available interrupts are not observed. However, operations on virtual block-multiplexing devices should use the available features like Rotational Position Sensing to enhance utilization of the real channels.

        - - - (Basic System Extensions) - - -

5. Devices that experience extreme performance penalties if not reinstructed within a fixed interval may experience this penalty during every I/O operation. An example is the 8809 tape drive. Setting the mode to "streaming" may actually result in a slower data rate than running in nonstreaming mode. Execution delays, caused by normal VM/370 processing, prevent a timely reinstruct and the 8809 tape drive may sustain a 1.2 second delay on every I/O operation. The result is that the effective data rate may be less than running at 20 IPS. The user must decide (based mainly on the size of the I/O buffers) between running at 100 IPS with continous delays and running at 20 IPS; then set the mode accordingly.

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Processor Model-Dependent Functions

On the System/370 Model 158 only, the virtual machine assist feature cannot operate concurrently with the 7070/7074 compatibility feature (#7117).

   Programs written for processor model-dependent functions may not execute properly in the virtual machine under VM/370. The following points should be noted:

1. Programs written to examine the machine logout area do not have meaningful data since VM/370 does not reflect the machine logout data to a virtual machine.

2. Programs written to obtain processor identification (via the Store CPUID instruction, STIDP) receive the real machine value. When the STIDP instruction is issued by a virtual machine, the version code contains the value 255 in hexadecimal ("FF") to represent a virtual machine.

3. No simulation of other processor models is attempted by VM/370.

4. Since an operating system's channel error recovery procedures may be processor model- and channel model-dependent, operating systems that will run in a virtual machine may have to be generated for the same model of processor that VM/370 will be running on.

Channel Model-Dependent Functions

Channel checks (channel data check, channel control check and interface control check) no longer cause the virtual machine to be reset. They are reflected to the virtual machine as other I/O errors are. This provides the operating system or other programs in the virtual machine with the opportunity to attempt recovery or close out its operation in an orderly manner. To take full advantage of this the virtual machine should comply with the following requirement:

Each virtual channel should map to real channels of a single type. In other words, the virtual devices on a virtual channel should all map to real devices on real channels of a single type and model. These real channels should all be the same as each other, but not necessarily the same as the virtual channel.

If the I/O configuration of a virtual machine does not meet the above requirement, no warning message is issued and the virtual machine will run successfully until a channel check occurs. In this case, when a channel check occurs, there is a possibility that the channel extended logout data may be inconsistent with the data provided by the store channel id (STIDC) instruction.

Note: Virtual machines running CMS do not need to comply with these requirements. Here, only unit record spooling and diagnose I/O are performed. For unit record spooling there are no channel checks and for diagnose I/O, CP attempts to perform the error recovery itself.

When the store channel id instruction (STIDC) is executed in a virtual machine, it returns information from an arbitrary channel, one of several the specified virtual channel may map to. The type, model, and logout length data returned by the STIDC are the same as the real channel except that when a real channel is a block multiplexer and the virtual channel is a selector, the type field returned by STIDC indicates a selector channel.

Since the STIDC returns identifying data from the real channel, channel model-dependent error recovery procedures can use STIDC to identify the channel.

Channel extended logouts are reflected to the virtual machine in a manner that is processor model- and channel model-dependent and consistent with the data returned by STIDC (provided that the virtual-to-real channel mapping complies with the requirement stated previously).

A deviation in the handling of channel extended logouts occurs if the virtual machine uses the bit in control register 14 to mask out channel extended logouts. In a virtual machine, any channel extended logouts that are masked out by control register 14 are lost rather than kept pending, and the logout pending bit (bit 5) in the CSW is never set. However, channel extended logouts will not be lost when they are kept pending along with their associated I/O interrupts by the channel masks in control register 2 and the PSW. Regardless of whether or not the setting of the virtual machine's control register 14 causes it to lose the channel extended logout, CP will still successfully record the logout in its own error recording cylinders.

Virtual Machine Characteristics

Other characteristics that exist for a virtual machine under VM/370 are as follows:

1. If the virtual=real option is selected for a virtual machine, input/output operations specifying data transfer into or out of the virtual machine's page zero, or into or out of storage locations whose addresses are greater than the storage allocated by the virtual=real option, must not occur. The storage-protect-key mechanism of the IBM System/370 processor and channels operates in these situations but is unable to provide predictable protection to other virtual machines. In addition, violation of this restriction may compromise the integrity of the system. The results are unpredictable.

2. A two-channel switch can be used between the IBM System/370 running
    a virtual machine under VM/370 and another processor.

3. The DIAGNOSE instruction cannot be issued by the virtual machine
    for its normal function. VM/370 uses this instruction to allow the
    virtual machine to communicate system services requests. The
    Diagnose interface requires the operand storage addresses passed to
    it to be real to the virtual machine issuing the DIAGNOSE
    instruction. For more information about the DIAGNOSE instruction in
    a virtual machine, see the _VM/370 System Programmer's Guide_.

4. A control unit normally never appears busy to a virtual machine.
    An exception exists when a forward space file or backward space
    file command is executed for a tape drive. Subsequent I/O
    operations to the same virtual control unit result in a control
    unit busy condition until the forward space file or backward space
    file command completes. If the real tape control unit is shared by
    more than one virtual machine, a control unit busy condition is
    reflected only to the virtual machine executing the forward space
    file or backward space file command. When a virtual machine
    attempts an I/O operation to a device for which its real control
    unit is busy, the virtual machine is placed in I/O wait
    (nondispatchable) until the real control unit is available. If the
    virtual machine executed a SIOF instruction (rather than SIO) and
    was enabled for block-multiplexing, it is not placed in I/O wait
    for the above condition.

5. The CP IPL command cannot simulate self-modifying IPL sequences off
    dedicated unit record devices or certain self-modifying IPL
    sequences off tape devices.

6. The VM/370 spooling facilities do not support punch-feed-read,
    stacker selection, or column binary operations. Detection of
    carriage control channels is supported for a virtual 3211 only.

7. VM/370 does not support count control on the virtual 1052
    operator's console.

8. Programs that use the integrated emulators function only if the
    real computing system has the appropriate compatibility feature.
    VM/370 does not attempt simulation. The DOS emulator running under
    OS or OS/VS is not supported under VM/370.

9. The READ DIRECT and WRITE DIRECT instructions are not supported for
    a virtual machine.

10. The System/370 SET CLOCK instruction cannot be simulated and,
    hence, is ignored if issued by a virtual machine. The System/370
    STORE CLOCK instruction is a nonprivileged instruction and cannot
    be trapped by VM/370; it provides the true TOD clock value from the
    real processor.

11. The 1050/1052 Model 2 Data Communication System is supported only
    as a keyboard operator's console. Card reading, paper tape I/O,
    and other modes of operation are not recognized as unique, and
    hence may not work properly. This restriction applies only when
    the 1050 system is used as a virtual machine operator's console.
    It does not apply when the 1050 system is attached to a virtual
    machine via a virtual 2701, 2702, or 2703 line.

12. The pseudo-timer (usually device address 0FF, device type TIMER)
    does not return an interrupt from a Start I/O; therefore, do not
    use EXCP to read this device.

13. A virtual machine device IPL with the NOCLEAR option overlays one
    page of virtual machine storage. The IPL simulator uses one page
    of the virtual machine to initiate the IPL function. The starting
    address of the overlaid page is either the result of the following
    formula:

    virtual machine size
    ------------------------ = starting address of the overlayed page
            2

    or the hexadecimal value 20000, whichever is smaller.

14. To maintain system integrity, data transfer sequences to and from a virtual system console are limited to a maximum of 2032 bytes. Channel programs containing data transfer sequences that violate this restriction are terminated with an interrupt whose CSW status indicates incorrect length and a channel program check.

   Notes:

   1. A data transfer sequence is defined as one or more read or write CCWs connected via chain data. The introduction of command chaining defines the start of a new data transfer sequence. Data chain seek CCWs with counts of less than four are inconsistent with data security of VM/370 and therefore will give an inconsitent error.

   2. Data chained seek CCWs with counts of less than four are inconsistent with the data security of VM/370 and therefore will give an inconsistent error when attempting to use.

15. When an I/O error occurs on a device, the System/370 hardware maintains a contingent connection for that device until a SENSE channel command is executed and sense data is recorded. That is, no other I/O activity can occur on the device during this time. Under VM/370, the contingent connection is maintained until the SENSE command is executed, but I/O activity from other virtual machines can begin on the device while the sense data is being reflected to the virtual machine. Therefore, the user should be aware that on a shared disk, the access mechanism may have moved during this time.

16. The mode setting for 7-track tape devices is maintained by the control unit. Therefore, when a virtual machine issues the SET MODE channel command to a 7-track tape device, it changes the mode setting of all 7-track tape devices attached to that control unit.

   This has no effect on virtual machines (such as OS or DOS) that issue SET MODE each time a CCW string is to be executed. However, it can cause a problem if a virtual machine fails to issue a SET MODE with each CCW string executed. Another virtual machine may change the mode setting for another device on the same control unit, thereby changing the mode setting of all 7-track tape devices attached to that control unit.

17. OS/VS2 is supported in uniprocessor mode only.

18. A shared system or one that uses discontiguous saved segments cannot be loaded (via IPL) into a virtual machine running in the virtual=real area.

19. The DUMMY feature for VSAM data sets is not supported and should not be used at program execution time. Specifying this option on the DLBL command will cause an execution-time OPEN error

20. The 3066 is supported as a 3215. It is not supported as a graphics editor; therefore, it is recommended that the NODISP option of the EDIT command be used when editing in a 3066.

21. The Program Controlled Interruption (PCI) FETCH option for load module retrieval is not supported for OS/MFT or VS1.

MSS Restrictions

1. There are two OS/VS system data sets associated with Mass Storage System: The mass storage volume inventory and the mass storage volume control journal. There is one copy of each data set per Mass Storage System, not necessarily one per operating system. If more than one OS/VS system (running on either native mode or in a virtual machine) is connected to a common Mass Storage System, then the OS/VS systems must share a common inventory and journal.

2. When a real 3330V device is dedicated to a virtual machine as a virtual 3330V, the programming support in the virtual machine must recognize and access the virtual device as a 3330V.

3. The following must be compatible; the definition of 3330V addresses in the MCS tables; the DMKRIO module; and the IOGEN for any OS/VS system running in a virtual machine with a dedicated MSC port. The reason for this, and the way to ensure it, is explained in the VM/370 System Programmer's Guide.

4. Each active volume in the MSS must have a unique volume number. If you wish to have two or more user volumes having the same volume serial (such as different versions of an OS/VS2 system residence volume both having a volume serial of VS2037), then create two MSS volumes having different volume serials and allocate the user volumes as minidisks.

5. Mass Storage System volumes may not be used for VM/370 residence, paging, spooling, or temporary disk space.

6. You must not change the volume of a real 3330V volume (the volume serial as known by the MSC) except by using the OS/VS access method services utilities. If, for example, cylinder 0 of a 3330V is dedicated to a virtual machine and that virtual machine alters the volume serial using DDR, then the volume cannot be mounted.

CMS Restrictions

The following restrictions apply to CMS, the conversational subsystem of VM/370:

1. CMS executes only on a virtual IBM System/370 provided by VM/370.

2. The maximum sizes (in cylinders or blocks) of CMS minidisks are as follows:

Device Type	Model(s)	CMS/VSAM	CMS 800-Byte Format	CMS 1K, 2K, or 4K Format
2314/2319	-	200 cyl	203 cyl	203 cyl
3310	-	126,016 blk	not supported	126,016 blk
3330	1 or 2	404 cyl	246 cyl	404 cyl
3330	11	808 cyl	246 cyl	808 cyl
3333	1	404 cyl	246 cyl	404 cyl
3333	11	808 cyl	246 cyl	808 cyl
3348	35	349 cyl	349 cyl	349 cyl
3348	70	698 cyl	682 cyl	698 cyl
3350	native mode	555 cyl	115 cyl	555 cyl
3370	--	558,000 blk	not supported	558,000 blk

- - - (Basic System Extensions) - - -

3. The maximum size in blocks of CMS minidisks are as follows:

Device Type	Model(s)	CMS/VSAM	CMS 800-Byte Format	CMS 1K, 2K, or 4K Format
3310	-	126,016 blk	not supported	126,016 blk
3370	--	558,000 blk	not supported	558,000 blk

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4. CMS employs the spooling facilities of VM/370 to perform unit record I/O. However, a program running under CMS can issue its own SIOs to attached dedicated unit record devices.

5. Only those OS and DOS facilities that are simulated by CMS can be used to execute OS and DOS programs produced by language processors under CMS.

6. Many types of object programs produced by CMS (and OS) languages can be executed under CMS using CMS's simulation of OS supervisory functions. Although supported in OS and DOS virtual machines under VM/370, the writing and updating of non-VSAM OS data sets and DOS files are not supported under CMS.

7. CMS can read sequential and partitioned OS data sets and sequential DOS files, by simulating certain OS macros.

The following restrictions apply when CMS reads OS data sets that reside on OS disks:

- Read-password-protected data sets are not read unless they are VSAM data sets.

- BDAM and ISAM data sets are not read.

- Multivolume data sets are read as single-volume data sets. End-of-volume is treated as end-of-file and there is no end-of-volume switching.

- Keys in data sets with keys are ignored and only the data is read, except for VSAM.

- User labels in user-labeled data sets are bypassed.

The following restrictions apply when CMS reads DOS files that reside on DOS disks:

- Only DOS sequential files can be read. CMS options and operands that do not apply to OS sequential data sets (such as the MEMBER and CONCAT options of FILEDEF and the PDS option of MOVEFILE) also do not apply to DOS sequential files.

- The following types of DOS files cannot be read:

  --DOS DAM and ISAM files.

  --Files with the input security indicator on.

  --DOS files that contain more than 16 extents. (Note: User labels occupy the first extent; therefore, the file can hold only 15 additional data extents.)

- Multivolume files are read as single-volume files. End-of-volume is treated as end-of-file. There is no end-of-volume switching.

- User labels in user-labeled files are bypassed.

- Since DOS files do not contain BLKSIZE, RECFM, or LRECL parameters, these parameters must be specified via FILEDEF or DCB parameters; otherwise, defaults of BLKSIZE=32760 and RECFM=U are assigned. LRECL is not used for RECFM=U files.

                – – – (Basic System Extensions) – – –

- CMS does not support the use of OS/VS DUMMY VSAM data sets at program execution time, since the CMS/DOS implementation of the DUMMY statement corresponds to the DOS/VSE implementation. Specifying the DUMMY option with the DLBL command will cause an execution-time error.

        – – – – – – – – – – – – – – – – – – –

8. Assembler program usage of VSAM and the ISAM Interface Program (IIP) is not supported.

                – – – (Basic System Extensions) – – –

9. CMS/DOS support is based on DOS/VSE and the VSE/VSAM program product. With DOS/VSE, prior releases of VSAM are not supported under CMS/DOS.

10. System logical units (SYSIN, SYSRDR, SYSIPT, SYSLST, and SYSPCH), are not supported for DOS/VSE formatted FB-512 devices because the SYSFIL function (SVC 103) of DOS/VSE is not supported under CMS/DOS.

        – – – – – – – – – – – – – – – – – – –

Miscellaneous Restrictions

1. If you intend to run VM/370 Release 1 and pre-PLC 9 Release 2 systems alternately, apply Release 1 PLC 14 or higher (APAR V1179) to your Release 1 system, to provide compatibility and to prevent loss of spool files in case of a warm start. Changes to the spool file format in PLC 9 of Release 2 require a cold start when switching between pre-Release 2 PLC 9 and post-Release 2 PLC 9 systems.

2. The number of pages used for input/output must not exceed the total number of user pages available in real storage. Violation of this restriction causes the real computing system to be put into an enabled wait state.

3. If you intend to define more than 64 virtual devices for a single virtual machine, be aware that any single request for free storage in excess of 512 doublewords (a full page) can cause an error message to be issued if storage cannot be obtained. Tables for virtual devices for a virtual machine must reside in contiguous storage. Therefore, two contiguous pages of free storage must be available in order to log on a virtual machine with more than 64 virtual devices, (three contiguous pages for a virtual machine with more than 128 virtual devices, etc.). Contiguous pages of free storage are sure to be available only immediately after IPL, before other virtual machines have logged on. Therefore, a virtual machine with more than 64 devices should be the first to log on after IPL. The larger the real machine size, the lesser the possibility of this occurring.

4. For remote 3270s, VM/370 supports a maximum of 16 binary synchronous lines, minus the number of 3704/3705 Communications Controllers in NCP mode minus one (if there are any 3704/3705 Communications Controllers in emulation mode).

5. If an I/O device (such as a disk or tape drive) drops ready status while it is processing virtual I/O activity, any virtual machine users performing I/O on that device are unable to continue processing or to log off. Also, the LOGOFF and FORCE commands are not effective because they do not complete until all outstanding I/O is finished. The system operator should determine which I/O device is involved and make that device ready once more.

6. Any modifications to local OPTIONS COPYFILE, unless otherwise specified in existing documentation, is not supported.

7. If an installation is using an IBM 3031, 3032, or 3033 processor, it must dedicate the service record file (SRF) device to VM/370. Thus, the channel on which the SRF is located cannot be dedicated to any virtual machine.

8. When using the SPOOL, DEDICATE, and SPECIAL directory control statements to define virtual devices, specify virtual addresses that do not conflict or content with the virtual control unit interface. This conflict or contention occurs because devices can require special I/O interface protocol from control units such as shared and nonshared subchannel operations. Putting devices that require different real control units on the same virtual control unit can result in a hung or busy condition. To avoid this problem, users must define (and separate) devices within their own control unit range. For example, if the directory entry specifies:

       SPOOL 102 3211
       SPECIAL 103 3270

   The control unit 0 on channel 1 controls both a nonshared device (the 3211 printer) and a shared device (the 3270 display unit). Processing of channel programs involving these two devices can result in a hung or busy condition.

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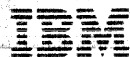
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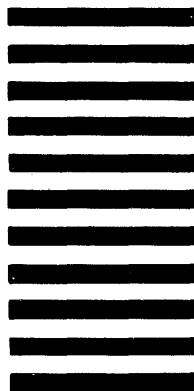
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