900 Series HP 3000 Computer Systems

MPE/iX Error Messages Manual
Volume III

HEWLETT PACKARD

Printing History

The following table lists the printings of this document, together with the respective release dates for each edition. The software version indicates the version of the software product at the time this document was issued. Many product releases do not require changes to the document. Therefore, do not expect a one-to-one correspondence between product releases and document editions.

Edition	Date	Software Version
Second Edition	June 1992	B.40.00
Third Edition	April 1994	C.50.00

Note   The MPE/iX Error Messages Manual previously consisted of two volumes. Volume III was created when the material in the original two-volume set was divided into three volumes. Because the original two volumes are now in the second edition, volume III is also considered to be in its second edition.

Preface

MPE/iX, Multiprogramming Executive with Integrated POSIX, is the latest in a series of forward-compatible operating systems for the HP 3000 line of computers.

In HP documentation and in talking with HP 3000 users, you will encounter references to MPE XL, the direct predecessor of MPE/iX. MPE/iX is a superset of MPE XL. All programs written for MPE XL will run without change under MPE/iX. You can continue to use MPE XL system documentation, although it may not refer to features added to the operating system to support POSIX (for example, hierarchical directories).

Finally, you may encounter references to MPE V, which is the operating system for HP 3000s, not based on PA-RISC architecture. MPE V software can be run on the PA-RISC (Series 900) HP 3000s in what is known as *compatibility mode*.

Conventions

UPPERCASE   In a syntax statement, commands and keywords are shown in
              uppercase characters. The characters must be entered in the order
              shown; however, you can enter the characters in either uppercase or
              lowercase. For example:

              `COMMAND`

              can be entered as any of the following:

              `command`   `Command`   `COMMAND`

              It cannot, however, be entered as:

              `comm`   `com_mand`   `comamnd`

italics   In a syntax statement or an example, a word in italics represents a
              parameter or argument that you must replace with the actual value.
              In the following example, you must replace *filename* with the name
              of the file:

              `COMMAND` *filename*

bold italics In a syntax statement, a word in bold italics represents a parameter
              that you must replace with the actual value. In the following
              example, you must replace filename with the name of the file:

              `COMMAND(filename)`

punctuation   In a syntax statement, punctuation characters (other than brackets,
              braces, vertical bars, and ellipses) must be entered exactly as shown.
              In the following example, the parentheses and colon must be entered:

              (*filename*):(*filename*)

<u>underlining</u>   Within an example that contains interactive dialog, user input and
              user responses to prompts are indicated by underlining. In the
              following example, <u>yes</u> is the user's response to the prompt:

              `Do you want to continue? >>` <u>`yes`</u>

{   }   In a syntax statement, braces enclose required elements. When
              several elements are stacked within braces, you must select one. In
              the following example, you must select either `ON` or `OFF`:

              `COMMAND` $\begin{Bmatrix} ON \\ OFF \end{Bmatrix}$

[   ]   In a syntax statement, brackets enclose optional elements. In the
              following example, `OPTION` can be omitted:

              `COMMAND` *filename* `[OPTION]`

              When several elements are stacked within brackets, you can select
              one or none of the elements. In the following example, you can select
              `OPTION` or *parameter* or neither. The elements cannot be repeated.

              `COMMAND` *filename* $\begin{bmatrix} OPTION \\ parameter \end{bmatrix}$

Conventions (continued)

[...]   In a syntax statement, horizontal ellipses enclosed in brackets indicate that you can repeatedly select the element(s) that appear within the immediately preceding pair of brackets or braces. In the example below, you can select *parameter* zero or more times. Each instance of *parameter* must be preceded by a comma:

> [, *parameter*] [...]

In the example below, you only use the comma as a delimiter if *parameter* is repeated; no comma is used before the first occurrence of *parameter*:

> [*parameter*] [,...]

| ... | In a syntax statement, horizontal ellipses enclosed in vertical bars indicate that you can select more than one element within the immediately preceding pair of brackets or braces. However, each particular element can only be selected once. In the following example, you must select A, AB, BA, or B. The elements cannot be repeated.

$$\left\{ \begin{array}{c} A \\ B \end{array} \right\} | \ \ldots \ |$$

...   In an example, horizontal or vertical ellipses indicate where portions of an example have been omitted.

Δ   In a syntax statement, the space symbol Δ shows a required blank. In the following example, *parameter* and *parameter* must be separated with a blank:

> (*parameter*)Δ(*parameter*)

⊏⊐   The symbol ⊏⊐ indicates a key on the keyboard. For example, (RETURN) represents the carriage return key or (Shift) represents the shift key.

(CTRL)*character* (CTRL)*character* indicates a control character. For example, (CTRL)Y means that you press the control key and the Y key simultaneously.

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ACTIVATE

(ACTIVATE ERROR)

20	MESSAGE	ACTIVATION OF SYSTEM PROCESS NOT ALLOWED (ACTIVATE ERROR 20)
21	MESSAGE	ACTIVATION OF MAIN PROCESS NOT ALLOWED (ACTIVATE ERROR 21)

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Break Handling

(Subsystem 158)

1	MESSAGE	Jsinfo failed to return the job type to break management.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

5	MESSAGE	Jsinfo failed to return the ldev number for stdin to break management.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

6	MESSAGE	Break management requested the User Interrupt Table entry pointer in order to process BREAK, but found it to be a NIL pointer.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

7	MESSAGE	Break management tried to interrupt a process to handle subsystem_break or system_break and found that it could not.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

9	MESSAGE	Table management was unable to create the User Interrupt Table for break management.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

10	MESSAGE	Table Management was unable to delete the User Interrupt Table for break management.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

11	MESSAGE	Break management attempted to lock the User Interrupt Table and was unable to.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

12	MESSAGE	Break management attempted to release the lock on the User Interrupt Table and found it could not.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

13	MESSAGE	Break management attempted to allocate an entry in the User Interrupt Table and found it could not.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

14	MESSAGE	Break management attempted to deallocate an entry in the User Interrupt Table and found it could not.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

CIPER Devices

(CIPER)

1	MESSAGE	Ldev #\ not ready; check cable connections. (CIPER 1)
2	MESSAGE	Ldev #\ has been powered up or reset. (CIPER 2)
3	MESSAGE	Ldev #\ has been placed off-line. (CIPER 3)
4	MESSAGE	Ldev #\ has been placed on-line. (CIPER 4)
5	MESSAGE	Ldev #\ reports out of paper; please check and correct if necessary. (CIPER 5)
6	MESSAGE	Ldev #\ reports paper jam; please check and correct if necessary. (CIPER 6)
7	MESSAGE	Ldev #\ reports platen open; please check and correct if necessary. (CIPER 7)
8	MESSAGE	Ldev #\ reports ribbon error; please check and correct if necessary. (CIPER 8)
9	MESSAGE	Ldev #\ experienced self-test failure. Failure code = !. (CIPER 9)
10	MESSAGE	Ldev #\ reports protocol error: illegal header length received. (CIPER 10)
11	MESSAGE	Ldev #\ reports protocol error: record sequence error in record received. (CIPER 11)

12	MESSAGE	Ldev #\ reports protocol error: incorrect creator of record received. (CIPER 12)
13	MESSAGE	Ldev #\ reports protocol error: undefined command received. (CIPER 13)
14	MESSAGE	Ldev #\ reports protocol error: undefined data type received. (CIPER 14)
15	MESSAGE	Ldev #\ reports protocol error: illegal format number in environmental status block. (CIPER 15)
17	MESSAGE	Ldev #\ reports protocol error: illegal block label length received. (CIPER 17)
18	MESSAGE	Ldev #\ reports protocol error: transport service error. (CIPER 18)
19	MESSAGE	Ldev #\ reports protocol error: data overrun from host. (CIPER 19)
20	MESSAGE	Ldev #\ reports data loss. (CIPER 20)
30	MESSAGE	CIPER ldev #\ is being shut down due to an internal data integrity error. Access to device will be denied until a WARMSTART is performed. (CIPER 30)

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CIPER Device Manager

(Subsystem 127)

252	MESSAGE	The CIPER I/O MANAGER detected an internal software error.
	CAUSE	Internal error.
	ACTION	Call your support representative.

253	MESSAGE	The CIPER I/O MANAGER was not able to release an I/O MESSAGE frame.
	CAUSE	Internal error.
	ACTION	Call your support representative.

254	MESSAGE	The CIPER I/O MANAGER was not able to SEND an I/O MESSAGE to another I/O MANAGER.
	CAUSE	Internal error.
	ACTION	Call your support representative.

255	MESSAGE	The CIPER I/O MANAGER was not able to obtain an I/O MESSAGE frame.
	CAUSE	Internal error.
	ACTION	Call your support representative.

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Clock/Timers Manager

(Subsystem 110)

2	MESSAGE	GET_TIMER/GET_TIMER_IN_TICKS failed to get a new timer entry from TABLE MANAGEMENT.
	CAUSE	All timer entries have been allocated.
	ACTION	Take a system dump.

3	MESSAGE	A soft interrupt occurred during wait for a timeout.
	CAUSE	Pause received status from extend_receive.
	ACTION	Pause will retry the timer.

11	MESSAGE	The status of the timer entry is NOTIFICATION IN PROGRESS (doing SEND_MSG).
	CAUSE	Timer interrupt handler has already sent notification message.
	ACTION	None needed.

12	MESSAGE	The status of the timer entry is non-active.
	CAUSE	Release of a timer which is dormant.
	ACTION	None needed.

13	MESSAGE	A soft interrupt occurred during pause.
	CAUSE	Pause received status from extend_receive.
	ACTION	Pause will retry.

1002	MESSAGE	PDC read time of day call returned with an error; the option is nonexistent.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

1003	MESSAGE	PDC read time of day call returned with an error; the time of day is invalid.
	CAUSE	Clock hardware uninitialized.
	ACTION	Initialize hardware clock.

1010	MESSAGE	PDC read time of day call returned with an error; the parameter is invalid.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

1102	MESSAGE	PDC set time of day call returned with an error; the option is nonexistent.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

1103	MESSAGE	PDC set time of day call returned with an error; the time of day is invalid.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

1110	MESSAGE	PDC set time of day call returned with an error; the parameter is invalid.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

1202	MESSAGE	PDC timer call (read calib. and acc.) returned with an error; the option is nonexistent.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

1203	MESSAGE	PDC timer call (read calib. and acc.) returned with an error; the time of day is invalid.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

1210	MESSAGE	PDC timer call (read calib. and acc.) returned with an error; the parameter is invalid.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

2002	MESSAGE	PDC READ stable storage call returned with an error; the option is nonexistent.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

2003	MESSAGE	PDC READ stable storage call returned with an error; can not complete call without error.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

2004	MESSAGE	PDC READ stable storage call returned with an error; the stable storage address is invalid.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

2005	MESSAGE	PDC READ stable storage call returned with an error; the stable storage contents are invalid.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

2010	MESSAGE	PDC READ stable storage call returned with an error; the parameter is invalid.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

2102	MESSAGE	PDC WRITE stable storage call returned with an error; the option is nonexistent.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

2103	MESSAGE	PDC WRITE stable storage call returned with an error; cannot complete call without error.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

2104	MESSAGE	PDC WRITE stable storage call returned with an error; the stable storage address is invalid.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

2105	MESSAGE	PDC WRITE stable storage call returned with an error; the stable storage contents are invalid.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

2110	MESSAGE	PDC WRITE stable storage call returned with an error; the parameter is invalid.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

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CM Debugger

(Subsystem 169)

25000	MESSAGE	An internal error occurred in DEBUG/STACKDUMP intrinsics.
	CAUSE	An unexpected error was encountered while processing the command/intrinsic.
	ACTION	Retry the command/intrinsic. If the error persists, record any error information that is printed and call your Hewlett-Packard Representative.

25001	MESSAGE	The address for the STATUS parameter is invalid or inaccessable.
	CAUSE	The status parameter references an undefined address or an address to which the callers do not have write access.
	ACTION	Make sure the variable was defined as a 4-byte value, and make sure the pointer dereferences reference valid data.

25002	MESSAGE	The address for the CMDSTR parameter is invalid or inaccessible.
	CAUSE	The command string parameter references an undefined address or an address to which the callers do not have write access.
	ACTION	Make sure pointer dereferences reference valid data.

25003	MESSAGE	No closing delimter was found in the CMDSTR parameter.
	CAUSE	The first and last characters in the command string are not the same.
	ACTION	Make sure the first and last characters are the same. Furthermore, that character should not appear within the body of the command string. Make sure the string of characters is $> =$ the maximum size allowed.

25004	MESSAGE	The address for the FILENAME parameter is invalid or inaccessible.
	CAUSE	The file name parameter references an undefined address or an address to which the callers do not have write access.
	ACTION	Make sure pointer dereferences reference valid data.

25005	MESSAGE	An error was encountered when closing the file.
	CAUSE	FCLOSE reported an error while trying to close the file.
	ACTION	Ensure the caller has file CREATE/SAVE capabilities.

25006	MESSAGE	An error was encountered when opening the file.
	CAUSE	FOPEN reported an error while trying to open the passed file name. The file is exclusively opened for writing as a FIXED, 132-byte, ASCII file with CCTL.
	ACTION	Ensure that the indicated file does not already exist; ensure there is free disk space; ensure the caller has file CREATE/SAVE capabilities.

25007	MESSAGE	The file number passed is invalid or inaccessible.
	CAUSE	The file number does not correspond to an opened file. The file number corresponds to STDIN or one of the file numbers reserved for use by MPE/iX.
	ACTION	Make sure the file number corresponds to an opened file.

25008	MESSAGE	The file has the incorrect record size.
	CAUSE	The record size is not in the required range (for example, from 64 to 512 bytes).
	ACTION	Specify a file that has a valid record size. Remember to check for file equations that may alter the value specified in source code.

25009	MESSAGE	The file type is binary; it must be ASCII.
	CAUSE	The file system reported that the file was opened as a binary file.
	ACTION	Open the file as an ASCII file. Be sure to check for file equations with the same name as the file being opened.

25010	MESSAGE	Insufficient access rights; write access to the file is required.
	CAUSE	The file system reported that the caller did not have write access to the file. Either the file was not opened for write access, or the particular caller was not granted write access to the file.
	ACTION	Make sure the file was opened for write access. Be sure to check for file equations with the same name as the file being opened. You may have to change file and/or group/account security or "release" the file.

25011	MESSAGE	Missing or unknown keyvalue for HPDEBUG keyword option.
	CAUSE	An odd number of itemnum/item were passed. Each itemnum must have a corresponding item.
	ACTION	Check the calling code to ensure that each itemnum is paired with an item.

25012	MESSAGE	Unknown HPDEBUG keyword option selector.
	CAUSE	One of the itemnum selectors was not recognized as a supported itemnum.
	ACTION	Verify the use of correct itemnums. Make sure that the itemnum/items are correctly paired.

25020	MESSAGE	You must have PM capability to debug program files with PM capability.
	CAUSE	An attempt was made to enter DEBUG for a program that was linked/prepped with PM capability by a user who does not have PM capability.
	ACTION	Link/prep the program without PM capability or grant the user PM capability.

25021	MESSAGE	You must have READ/WRITE access to a program file to debug it.
	CAUSE	An attempt was made to enter DEBUG for a program file to which the user does not have write access. Write access validation is performed by the file system.
	ACTION	Alter the file and/or group/account security so that the user has write access to the program file.

25022	MESSAGE	DEBUG could not be initialized. The debugger request has been ignored.
	CAUSE	The internal DEBUG data structures could not be allocated and/or initialized. This could be due to a lack of disk space or a lack of some other system resources (including DEBUGGER table space).
	ACTION	Verify there is sufficient free disk space for virtual memory. Wait for the machine to become less loaded and try again. If the error persists, record any error information that is printed and call your Hewlett-Packard Representative.

25023	MESSAGE	Could not capture process state. The debugger request has been ignored.
	CAUSE	DEBUG was unable to obtain all of the required information about a process which is necessary to debug it.
	ACTION	Retry the command/intrinsic. If the error persists, record any error information that is printed and call your Hewlett-Packard Representative.

25024	MESSAGE	Unknown ESCAPE while entering DEBUG. The debugger request has been ignored.
	CAUSE	An unexpected error was detected by DEBUG while trying to enter the main command processing code.
	ACTION	Retry the command/intrinsic. If the error persists, record any error information that is printed and call your Hewlett-Packard Representative.

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CM Emulator & OCT

(Subsystem 188)

1	MESSAGE	The input node is too low. (CMNODES ERROR 1)
	CAUSE	Bad input parameter.
	ACTION	No harm done. Function returns false.

2	MESSAGE	The input node is too high. (CMNODES ERROR 2)
	CAUSE	Bad input parameter.
	ACTION	No harm done. Function returns false.

3	MESSAGE	Invalid node return from debug. (CMNODES ERROR 3)
	CAUSE	Bad input parameter.
	ACTION	No harm done. Function returns false.

201	MESSAGE	The code segment loaded emulated because translation is bad.
	CAUSE	Bad translation.
	ACTION	Retranslate with a good OCT.

202	MESSAGE	The code segment loaded emulated because translation is bad.
	CAUSE	Bad translation.
	ACTION	Retranslate with a good OCT.

203	MESSAGE	The code segment loaded emulated because OCT is for another system.
	CAUSE	The system and OCT versions are not compatible.
	ACTION	Retranslate with the appropriate OCT version.

204	MESSAGE	The code segment loaded emulated because translation is bad.
	CAUSE	Bad translation.
	ACTION	Retranslate with a good OCT.

205	MESSAGE	The code segment loaded emulated because FFILEINFO failed.
	CAUSE	Unknown.
	ACTION	Call your Hewlett-Packard Representative.

501	MESSAGE	OCT error occurred.

502	MESSAGE	! is an invalid code segment name.

503	MESSAGE	! is an invalid code segment number.

504	MESSAGE	Failed to open file !.

505	MESSAGE	! is an invalid input file.

506	MESSAGE	! is an unknown argument name.

507	MESSAGE	Argument ! is specified in an invalid manner.

508	MESSAGE	Attempt to read beyond PB.

510	MESSAGE	PLABEL ! is out of bounds.

550	MESSAGE	OCT internal error occurred.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

551	MESSAGE	An error occurred executing CI command.

552	MESSAGE	Invalid addressing mode.
553	MESSAGE	Invalid data type on stack.
554	MESSAGE	Double operand missing HOLE-REG.
555	MESSAGE	The maximum register usage has been exceeded.
556	MESSAGE	An invalid register is specified.
557	MESSAGE	Trap entry was not made.
558	MESSAGE	Unable to decode CM instruction.
559	MESSAGE	A TEMP REG has been clobbered.
560	MESSAGE	Trap entry was made but not PUT.
561	MESSAGE	An undefined block label is specified.
562	MESSAGE	An unknown INST type was encountered.
563	MESSAGE	An invalid BRANCH target is specified.

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CM Support Routines

(Subsystem 154)

10	MESSAGE	The code segment number is invalid.
	CAUSE	The caller passed in a code segment which is invalid for the process whose PIN was passed in, or the code segment is unassigned.
	ACTION	None.

30	MESSAGE	The data segment number is invalid.
	CAUSE	The caller passed in an invalid or an unassigned data segment number.
	ACTION	None.

60	MESSAGE	FREEZE returned a bad status.
	CAUSE	The memory manager failed to freeze a compatibility mode code or data segment into memory.
	ACTION	Examine the process error stack to determine what may have caused the problem.

65	MESSAGE	UNFREEZE returned a bad status.
	CAUSE	The memory manager failed to unfreeze a compatibility mode code or data segment into memory.
	ACTION	Examine the process error stack to determine what may have caused the problem.

160	MESSAGE	SWITCH_TO_CM returned a bad status.
	CAUSE	Corruption of an operating system data structure or operating system code caused SWITCH_TO_CM to fail.
	ACTION	Examine the process error stack to determine what may have caused the problem.

301	MESSAGE	The logical device parameter is not a real device.
	CAUSE	An attempt was made to place a non-existent device or a spooler virtual device into diagnostic mode.
	ACTION	None.

302	MESSAGE	The device is currently not in diagnostic mode.
	CAUSE	An attempt was made to remove a device not owned by the diagnostic system from the diagnostic mode.
	ACTION	None.

304	MESSAGE	The device is already in diagnostic mode.
	CAUSE	An attempt was made to place a device which was already owned by the diagnostic system into the diagnostic mode.
	ACTION	None.

305	MESSAGE	The device is currently in use.
	CAUSE	An attempt was made to place a device currently being accessed by a user into the diagnostic mode.
	ACTION	Try again once the user is no longer accessing the device. The SHOWDEV command can be used to determine the current owner.

309	MESSAGE	The spooler for the device could not be stopped.
	CAUSE	While attempting to place a device into the diagnostic mode, the system could not stop the spooler active on the device.
	ACTION	Use the STOPSPOOL command to stop the spooler. If sucessful, attemp the diagnostic again.

311	MESSAGE	The spooler for the device could not be restarted.
	CAUSE	While removing the device from the diagnostic mode, the system could not restart a spooler for the device.
	ACTION	If desired, use the STARTSPOOL command on the console to start a spooler for the device.

312	MESSAGE	The spooler for the device could not be suspended.
	CAUSE	While attempting to place a device into diagnostic mode, the system could not suspend the currently active spoolfile.
	ACTION	Try using the SUSPENDSPOOL command on the console to suspend the currently active spoolfile.

320	MESSAGE	The logical console cannot be placed in diagnostic mode.
	CAUSE	An attempt was made to place the logical console into diagnostic mode.
	ACTION	Move the logical console to another terminal using the CONSOLE command.

321	MESSAGE	Disks cannot be placed in diagnostic mode.
	CAUSE	An attempt was made to place a disk into diagnostic mode.
	ACTION	None.

2550	MESSAGE	GETSIR returned a bad status to the fast switch stub.
	CAUSE	Corruption of an operating system data structure or operating system code caused GETSIR to fail.
	ACTION	Perform a system dump. Reboot the system using START.

2551	MESSAGE	RELSIR returned a bad status to the fast switch stub.
	CAUSE	Corruption of an operating system data structure or operating system code caused RELSIR to fail.
	ACTION	Perform a system dump. Reboot the system using START.

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Debug Low Level Breakpoint Management

(Subsystem 165)

5	MESSAGE	This is an invalid address or caller has insufficient capabilities to access it.
	CAUSE	The address validation routines detected an error while checking the indicated address.
	ACTION	Check the address. If invalid, pass a valid address. Remember to make sure the space ID for long pointers is correct. If additional capabilities are required, increase caller capabilities or reduce protection on target address.
10	MESSAGE	This is an invalid BREAKPOINT INDEX; it is out of range for valid BREAKPOINTS.
	CAUSE	The breakpoint index is out of range of valid breakpoints.
	ACTION	Provide a valid breakpoint index.
15	MESSAGE	The SINGLE STEP COUNT is invalid.
	CAUSE	A negative single step value was passed.
	ACTION	Provide a positive value.
20	MESSAGE	An NM BREAKPOINT (not in the DEBUG TABLE) is at that address.
	CAUSE	An NM breakpoint was found at the indicated address. Since the breakpoint was not found in the system debug tables, it must be a breakpoint from some other subsystem or placed in the code by the programmer.
	ACTION	Pick another location to set a DEBUG breakpoint since DEBUG will not set a breakpoint on another breakpoint.

25	MESSAGE	The BREAKPOINT INDEX could not be found in the BREAKPOINT TABLE.
	CAUSE	The breakpoint index specified is not in the breakpoint tables.
	ACTION	List the current breakpoints and use an index of an existing breakpoint.

30	MESSAGE	A BREAKPOINT already exists at the indicated address; can't set another.
	CAUSE	The caller tried to set an NM breakpoint where they had already set one. Complete information about the breakpoint existing at the location is returned in the INFO parameter.
	ACTION	Pick a different place to set the NM breakpoint. Delete the existing breakpoint and then set the new one.

35	MESSAGE	The BREAKPOINT is owned by another process; can't clear it.
	CAUSE	The caller tried to delete an NM breakpoint which he did not own.
	ACTION	Specify an NM breakpoint which the caller set. Grant the user PM capabilities so they may delete other people's breakpoints.

40	MESSAGE	The DATA BUFFER is too small to hold the indicated number of bytes.
	CAUSE	The user requested a data transfer that is larger than the size of the passed buffer.
	ACTION	Increase the size of the buffer or request less data.

45	MESSAGE	A CM BREAKPOINT already exists at that address (it's not in DEBUG TABLES!)
	CAUSE	A CM breakpoint was found at the indicated address. Since the breakpoint was not found in the system debug tables, it must be a breakpoint from some other subsystem or placed in the code by the programmer.
	ACTION	Pick another location to set a DEBUG breakpoint since DEBUG will not set a breakpoint on another breakpoint.

50	MESSAGE	The procedure could not find the CM BREAKPOINT in the BREAKPOINT TABLE; can't clear it.
	CAUSE	The CM breakpoint index specified is not in the breakpoint tables.
	ACTION	List the current CM breakpoints and use an index of an existing breakpoint.

55	MESSAGE	There is a BREAKPOINT already set there.
	CAUSE	The caller tried to set a CM breakpoint where they had already set one. Complete information about the breakpoint existing at the location is returned in the INFO parameter.
	ACTION	Pick a different place to set the CM breakpoint. Delete the existing breakpoint and then set the new one.

60	MESSAGE	The END ADDRESS is bigger than START, or SIDs don't match in DATA BREAK ADDRESS.
	CAUSE	The caller specified a range of address that cross a space boundary or is not an ascending range.
	ACTION	Specify a correct address range.

65	MESSAGE	The DATA BREAKPOINT INDEX could not be found in the BREAKPOINT TABLE.
	CAUSE	The DATA breakpoint index specified is not in the breakpoint tables.
	ACTION	List the current DATA breakpoints and use an index of an existing breakpoint.

70	MESSAGE	A DATA BREAKPOINT already exists somewhere in the specified range; can't ARM.
	CAUSE	The caller tried to set a DATA breakpoint where they had already set one. Complete information about the breakpoint existing at the location is returned in the INFO parameter.
	ACTION	Pick a different place to set the DATA breakpoint. Delete the existing breakpoint and then set the new one.

75	MESSAGE	The DATA BREAKPOINT is owned by another process; can't clear it.
	CAUSE	The caller tried to delete a data breakpoint which he did not own.
	ACTION	Specify a DATA breakpoint which the caller set. Grant the user PM capabilities so they may delete other peoples' breakpoints.

85	MESSAGE	The TARGET PIN is invalid or cannot be found in the DEBUG TABLES.
	CAUSE	The system breakpoint PIN SYS_BP_PIN was specified and is invalid for the desired function. Specified PIN is not being monitored by the caller. Specified PIN does not exist at all in the debug tables.
	ACTION	Provide a correct PIN number.

90	MESSAGE	The procedure could not find the PIN in BREAKPOINT TABLE; can't ARM LOWER PRIV trap.
	CAUSE	A process attempted to stop at a place for which it had insufficient capabilities. An attempt was made to arm the LOWER PRIV trap, stopping the process at the proper time. The trap could not be armed.
	ACTION	None.

95	MESSAGE	No STATE found for the indicated PIN; can't ARM the LOWER PRIV trap.
	CAUSE	A process attempted to stop at a place for which it had insufficient capabilities. An attempt was made to arm the LOWER PRIV trap, stopping the process. The trap could not be armed.
	ACTION	None.

100	MESSAGE	The maximum number of BREAKPOINTS for your process has been reached.
	CAUSE	Each debug user is allowed a maximum fixed number of breakpoints. That limit has been reached for the calling process.
	ACTION	Delete some existing breakpoints.

105	MESSAGE	You are not a DEBUG user (see the documentation on how to use DEBUG routines).
	CAUSE	The caller has not identified himself as a debug user by calling the debug_user_setup routine.
	ACTION	Call the debug_setup_user procedure.

110	MESSAGE	You are not monitoring that PIN; can't REMOVE/DISARM event.
	CAUSE	Probable cause is corruption of the internal debug tables.
	ACTION	Kill all processes using DEBUG and retry the desired operation. Reboot the system. Call your Hewlett-Packard Representative if the problem persists.

115	MESSAGE	Your user must have PRIV capabilities for this function.
	CAUSE	A request to perform an operation which required the user to hav PM capabilities was issued. Possibilities include: writing register data is not allowed without PM; resuming execution at a new location requires PM.
	ACTION	Grant the user PM capability.

120	MESSAGE	You may not resume that PIN; someone else has control over it.
	CAUSE	Same as for Message Content.
	ACTION	Provide a correct PIN number.

125	MESSAGE	DEBUG cannot be run on this system; DEBUG system start up code failed.
	CAUSE	Debug was not successfully initiated at system boot time. It is not available.
	ACTION	Reboot the system. If the problem persists, call your Hewlett-Packard Representative.

130	MESSAGE	The procedure could not locate the DEBUGGER GLOBAL DATA area.
	CAUSE	DEBUG could not allocate storage to maintain its own local data storage. This could be due to lack of disk space for virtual memory.
	ACTION	Verify that there is free virtual memory disk space.

135	MESSAGE	The actual INSTRUCTION for that address is not in the BREAKPOINT TABLE.
	CAUSE	The indicated address does not exist in the debug tables as an address where an NM breakpoint is set.
	ACTION	None.

140	MESSAGE	The PIN is not accessible to you (not a CHILD or you don't have PRIV mode).
	CAUSE	A PIN number was specified that is not a child of the caller.
	ACTION	Grant the caller PM capabilities. Use a PIN that is a child of the caller.

145	MESSAGE	The procedure could not find the STATE INFORMATION (ISM) for the indicated process.
	CAUSE	An interrupt marker (ISM) for the indicated PIN could not be found in the debug tables. The ISM is needed to alter a process's register state and to arm the branch taken trap.
	ACTION	Make sure you are using the correct PIN number.

150	MESSAGE	The procedure could not allocate the object needed to store DEBUG GLOBAL DATA.
	CAUSE	VSM returned a bad status from a create_object call made while initializing the debugger.
	ACTION	Make sure there is sufficient free disk space for virtual memory.

155	MESSAGE	This is an invalid PIN number; it is out of range for the valid PINS.
	CAUSE	Same as message content.
	ACTION	Provide a valid PIN.

160	MESSAGE	This address is inaccessible to you; insufficient privilege or access rights.
	CAUSE	The VSM "probe" routine returned an error status. This is caused by an undefined address or an address to which the caller does not have access.
	ACTION	Make sure the address is valid.

165	MESSAGE	The PIN was not found in the DEBUG TABLES; can't RESUME the process.
	CAUSE	While trying to resume a process at a newly specified address, the interrupt marker for the process could not be located in the debug tables.
	ACTION	Call the resume routine without specifying a new resume address.

170	MESSAGE	The PIN is invalid; you may not specify your own PIN.
	CAUSE	The caller's PIN was specified as the target of the request function.
	ACTION	Specify a PIN other than your own.

175	MESSAGE	SINGLE STEPPING is currently controlled by another PIN; can set SS counter.
	CAUSE	An attempt was made to single step a process whose single step counter is controlled by another process.
	ACTION	Do not single step the process or try later when the current owner of the single step counter is finished with it.

180	MESSAGE	The PIN was not found in the DEBUG TABLES; can't set SS counter.
	CAUSE	While attempting to single step a process, the process's interrupt marker could not be found in the system debug tables.
	ACTION	None.

185	MESSAGE	The DEBUG TABLES are full; try again later.
	CAUSE	The global system debug table is full.
	ACTION	Wait for the number of debug users to decrease. Delete breakpoints, turn off traps (all these free table space).

190	MESSAGE	The indicated PIN does not exist.
	CAUSE	The indicated PIN did not exist when the request was made.
	ACTION	Specify a valid PIN.

195	MESSAGE	A compiler generated TRACE BREAKPOINT is already set at that location.
	CAUSE	While attempting to set an NM breakpoint, one of several compiler-generated breakpoints was found at the indicated address.
	ACTION	Choose a different address at which to set the breakpoint. Recompile the program without the option that caused the special breakpoints to be inserted. Relink the program, specifying the ";NODEBUG" option.
200	MESSAGE	The TARGET PIN is invalid for the specified TRACE event.
	CAUSE	The system breakpoint PIN was specified as the target of the trace event request.
	ACTION	Use a PIN other than the system breakpoint PIN.
205	MESSAGE	The TRACE event is currently owned by another process; can't ARM it.
	CAUSE	The caller tried to set a trace event that has already been set.
	ACTION	None.
210	MESSAGE	The TRACE event is currently owned by another process; can't DISARM it.
	CAUSE	The caller tried to disarm a trace event which he did not own.
	ACTION	Specify a trace event which the caller set. Grant the user PM capabilities so they may disarm other peoples' trace events.
215	MESSAGE	Invalid TRAP ID.
	CAUSE	An unknown or unsupported trap ID was specified.
	ACTION	Use a valid trap ID.
220	MESSAGE	The trap is not currently ARMED.
	CAUSE	A request was made to disarm a trap that was not armed.
	ACTION	Specify a trap that is armed.

225	MESSAGE	The PIN was not found in the DEBUG TABLES; can't ARM the trap.
	CAUSE	While attempting to arm a trap, the interrupt marker for the specified process could not be found in the debug tables.
	ACTION	None.

230	MESSAGE	WARNING** The PIN was not found in the DEBUG TABLES; can't clear T bit in PSW for PIN.
	CAUSE	While attempting to disarm a trap, the interrupt marker for the specified process could not be found in the debug tables.
	ACTION	None.

235	MESSAGE	This trap is currently owned by another process; can't ARM it.
	CAUSE	The caller tried to set a trace event that has already been set.
	ACTION	None.

240	MESSAGE	This trap is currently owned by another process; can't DISARM it.
	CAUSE	The caller tried to disarm a trace event which he did not own.
	ACTION	Specify a trace event which the caller set. Grant user PM capabilities so they may disarm other peoples' trace events.

245	MESSAGE	You cannot set BREAKPOINTS on GATE instructions; sorry.
	CAUSE	The address specified for an NM breakpoint corresponds to a precision architecture gateway page. Breakpoints may not be set on gateway pages.
	ACTION	None.

250	MESSAGE	Dual BPs within the same node must have identical count values.
	CAUSE	Another CM breakpoint was set that has a corresponding translated NM breakpoint which maps to the same NM node point. In such situations, the breakpoint "COUNT" must be identical.
	ACTION	Provide the same COUNT value as the existing breakpoint at the node point. Delete the existing breakpoint before trying to set this one.

255	MESSAGE	Dual BPs within the same node must have identical comment strings.
	CAUSE	Another CM breakpoint was set that has a corresponding translated NM breakpoint which maps to the same NM node point. In such situations, the breakpoint COMMAND STRING values must be identical.
	ACTION	Provide the same COMMAND STRING value as the existing breakpoint at the node point. Delete the existing breakpoint before trying to set this one.

260	MESSAGE	An escape occurred while reading REGS from the ISM.
	CAUSE	While trying to read/write register values to an interrupt marker, an expected error was detected. The result of the operation is undefined.
	ACTION	None.

265	MESSAGE	Accessing NL.PUB.STS requires that you are in PRIV mode.
	CAUSE	An attempt was made to access the system NL by a user without PM capability.
	ACTION	Grant the user PM capability.

270	MESSAGE	Accessing SL.PUB.SYS requires that you are in PRIV mode.
	CAUSE	An attempt was made to access the system SL by a user without PM capability.
	ACTION	Grant the user PM capability.

275	MESSAGE	The actual CM INSTRUCTION for that address is not in the breakpoint table.
	CAUSE	The indicated address does not exist in the debug tables as an address where an CM breakpoint is set.
	ACTION	None.

280	MESSAGE	A DATA BREAK TRP occurred which DEBUG did not arm.
	CAUSE	Someone else has set a trap bit on a page in the page table.
	ACTION	None.

Disk Free Space

(DFSWARN)

1	MESSAGE	Disc free space map read error on LDEV !, page !, I/O status !. (DFSWARN 1)
2	MESSAGE	Disc free space map write error on LDEV !, page !, I/O status !. (DFSWARN 2)
3	MESSAGE	Disc free space check sum error on LDEV !, page !. (DFSWARN 3)
4	MESSAGE	Physical mount error on LDEV !, error reading disc free space map descriptor table, I/O status !. (DFSWARN 4)
5	MESSAGE	Physical mount error on LDEV !, error writing disc free space map descriptor table, I/O status !. (DFSWARN 5)
6	MESSAGE	Physical mount error on LDEV !, error reading defective tracks table, I/O status !. (DFSWARN 6)
7	MESSAGE	Physical mount error on LDEV !, no DST entries available. (DFSWARN 7)
8	MESSAGE	Physical mount error on LDEV !, no virtual memory available. (DFSWARN 8)
9	MESSAGE	Physical mount error on LDEV !, pack has not been converted to new disc free space format. (DFSWARN 9)
10	MESSAGE	Physical mount error on LDEV !, disc free space map has previously been damaged. (DFSWARN 10)

11	MESSAGE	Logical mount error on LDEV !, error reading disc label, I/O status !. (DFSWARN 11)
12	MESSAGE	Logical mount error on LDEV !, error writing disc label, I/O status !. (DFSWARN 12)
13	MESSAGE	Logical dismount error on LDEV !, error reading disc label, I/O status !. (DFSWARN 13)
14	MESSAGE	Logical dismount error on LDEV !, error writing disc label, I/O status !. (DFSWARN 14)
15	MESSAGE	Logical dismount error on LDEV !, error writing disc free space map descriptor table, I/O status !. (DFSWARN 15)
16	MESSAGE	Free space allocation/deallocation disabled for pack on LDEV !. Files can still be accessed, but they can not be built. (DFSWARN 16)
17	MESSAGE	Disc free space map on LDEV ! is damaged, DFS status !. (DFSWARN 17)
18	MESSAGE	VINIT error on LDEV !. The disc free space map for this disc is damaged. (DFSWARN 18)
19	MESSAGE	Unexpected disc free space error on LDEV !, DFS status !, I.D. = !. (DFSWARN 19)
20	MESSAGE	Physical mount error on LDEV !, error reading volume limit of disc, I/O status !. (DFSWARN 20)
21	MESSAGE	Physical mount error on LDEV !, error reading disc label, I/O status !. (DFSWARN 21)
22	MESSAGE	Physical mount error on LDEV !, error writing disc label, I/O status !. (DFSWARN 22)

50	MESSAGE	Disc free space allocation disabled on ldev !, because of a disc label read error. (DFSWARN 50)
51	MESSAGE	Disc free space allocation disabled on ldev !, because of a disc label write error. (DFSWARN 51)
52	MESSAGE	Disc free space allocation disabled on ldev !, because of a defective tracks table read error. (DFSWARN 52)
53	MESSAGE	Disc free space allocation disabled on ldev !, because the pack has an old format disc free space table. There is a program to convert it to the new format. (DFSWARN 53)
54	MESSAGE	Disc free space allocation disabled on ldev !, because no DST entries where available at the time it was mounted. (DFSWARN 54)
55	MESSAGE	Disc free space allocation disabled on ldev !, because of a free space descriptor table read error. (DFSWARN 55)
56	MESSAGE	Disc free space allocation disabled on ldev !, because of a free space descriptor table write error. (DFSWARN 56)
57	MESSAGE	Disc free space allocation disabled on ldev !, because not enough virtual memory was available at the time it was mounted. (DFSWARN 57)
58	MESSAGE	Disc free space allocation disabled on ldev !, because the map has been flagged as damaged. (DFSWARN 58)
59	MESSAGE	Disc free space allocation disabled on ldev !, because of trying to return space that was already marked as free. The free space map will be flagged as damaged. (DFSWARN 59)
60	MESSAGE	Disc free space allocation disabled on ldev !, because of trying to get space that is not free. The free space map will be flagged as damaged. (DFSWARN 60)

61	MESSAGE	Disc free space allocation disabled on ldev !, because of an unexpected free space management error. (DFSWARN 61)
62	MESSAGE	Disc free space allocation disabled on ldev !, because of a VINIT COND/RECOVER error. (DFSWARN 62)

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Distributed Terminal Subsystems

(DTSERR)

This chapter contains validation and Datacomm Configurator (DCC) error messages.
Validation errors indicate problems with the network management configuration file. They
are detected during network management configuration file validation. DCC errors indicate
problems with the link or the DTS manager. They are detected when the host is rebooted.

Validation Error Messages

The network management configuration file must be validated before it can be processed
by SYSGEN. The validation procedure is invoked in NMMGR by requesting it on the
VALIDATE CONFIGURATION FILE screen. Error messages will be displayed on the system
console. Additionally, error messages can be directed to a printer. The DTS validation
procedure starts by displaying the following on the system console:

`197 - Validation of DTS/LINK started. -`

Errors are then listed to the console. When the validation procedure is complete, it will print
the following on the system console:

`nnn Encountered Errors`

Note	After successful validation, run SYSGEN to cross-validate the DTS configuration with the System configuration.
	`197 - Validation of DTS/LINK finished. -`
	where `nnn` is the total number of errors found during validation. Following is a numerical list of validation error messages and actions for each.

1	MESSAGE	Path: NMMGRpath. A read error encountered while reading the data record (bad file). (DTSERR=1)
	CAUSE	Either a hardware problem occurred or the data record is too long.
	ACTION	Try to print the network management configuration file. Rebuild the file from a copy of the sample file `NMSAMP1.PUB.SYS`. If the problem persists, contact your Hewlett-Packard support representative.

2	MESSAGE	Path: NMMGRpath. A write error encountered while updating the data record (bad file). (DTSERR=2)
	CAUSE	Either a hardware problem occurred or the data record file is too small.
	ACTION	If the data record file has been compressed, it is impossible to validate the file. Go to the UTILITY screen and use the compression utility to make the file larger. Try to validate the file. If it still fails, build the file from a copy of the sample file NMSAMP1.PUB.SYS. If the problem persists when verifying the new file, contact your Hewlett-Packard support representative.

3	MESSAGE	Path: NMMGRpath The data record is empty (use Update Data function key). (DTSERR=3)
	CAUSE	The data record was not created for the NMMGRpath.
	ACTION	Go back to the screen specified by the NMMGRpath, update the screen, and press Update Data.

4	MESSAGE	Path: NMMGRpath The same physical path is being used at LINK.linkname. (DTSERR=4)
	CAUSE	The physical path specified for this link is being used.
	ACTION	Go to the link screen specified by the NMMGRpath or go to the link screen specified by the linkname, and modify the physical path.

5	MESSAGE	Path: NMMGRpath The same station address is being used at LINK.linkname. (DTSERR=5)
	CAUSE	The IEEE 802.3 station address is already used. Each station address must be unique.
	ACTION	Go back to the screen specified by the NMMGRpath or go to the screen specified by the linkname and modify the station address.

6	MESSAGE	Path: NMMGRpath LINK.linkname is not defined. (DTSERR=6)
	CAUSE	The link name specified on the DTS DATACOMM & TERMINAL CONTROLLER CONFIGURATION screen is not defined; therefore, the link data record was not created.
	ACTION	Verify the link name on the DTS DATACOMM & TERMINAL CONTROLLER CONFIGURATION screen. Check that the link name exists on the LINK SELECTION screen and if it does, check that the link data record was created. If the link data record does not exist, update the LINK SELECTION screen and press Update Data.

7	MESSAGE	Path: NMMGRpath DTS.PROFILE.linkname is not defined. (DTSERR=7)
	CAUSE	The linkname on the screen specified by the NMMGRpath is not defined; therefore, the profile data record does not exist.
	ACTION	Check that the profile name exists on the DISTRIBUTED TERMINAL SUBSYSTEM PROFILE SELECTION screen and if it does, check that the data record for this profile was created. If the profile data record was not created, then update the linkname screen and press Update Data.

8	MESSAGE	Path: NMMGRpath The same station address or node name is being used at DTS.DTC. SELECT.linkname. (DTSERR=8)
	CAUSE	The station address or node name used on the screen specified by the NMMGRpath is also used on the screen specified by the DTS.DTC.SELECT.linkname screen.
	ACTION	Go to the screen specified by the NMMGRpath or to the screen specified by the linkname and modify the station address or node name.

9	MESSAGE	Path: NMMGRpath The same LDEV #nnn is being used at DTS.DTC.SELECT.linkname.CARD012. (DTSERR=9)
	CAUSE	The logical device (ldev) number is being used on the screen specified by the NMMGRpath and on the DTS.DTC.SELECT.linkname.CARD012 screen.
	ACTION	Go to one of the two screens and change the ldev number. The ldev number must be unique for each port.

10	MESSAGE	Path: NMMGRpath The same LDEV #nnn is being used at DTS.DTC.SELECT.linkname.CARD345. (DTSERR=10)
	CAUSE	The same logical device (ldev) number is being used on the screen specified by the NMMGRpath and on the DTS.DTC.SELECT.linkname.CARD345 screen.
	ACTION	Go to one of the two screens and change the ldev number. The ldev number must be unique for each port.

12	MESSAGE	Path: NMMGRpath LDEV #nnn is too big (must be ≤999). (DTSERR=12)
	CAUSE	The logical device (ldev) number is bigger than the allowed maximum ldev number.
	ACTION	Go to the screen specified by the NMMGRpath and modify the ldev number.

13	MESSAGE	Path: NMMGRpath Too many LDEVs are being used (must be ≤600). (DTSERR=13)
	CAUSE	Too many logical device (ldev) numbers are being used.
	ACTION	Visit the screens that use ldevs and delete some ldev numbers. The validation procedure allows a total of 600 ldevs.

15	MESSAGE	Path: NMMGRpath Defined LINK. linkname is not being used. (DTSWARN15)
	CAUSE	The defined linkname is not used by DTS or the network interface.
	ACTION	This is a warning only. No action is required.

16	MESSAGE	Path: NMMGRpath Too many links are being used (max. number allowed = 8). (DTSERR=16)
	CAUSE	The link specified in the NMMGRpath cannot be processed. Too many links are already defined.
	ACTION	Go back to the LINK SELECTION screen and delete the link specified in the NMMGRpath. Delete all unused links so that eight or less links are being used.

17	MESSAGE	Path: NMMGRpath Too many paths are being used (max. number allowed = 8). (DTSERR=17)
	CAUSE	The link specified in the NMMGRpath cannot be processed. Too many physical paths are already defined.
	ACTION	Go back to the LINK SELECTION screen and delete the link specified in the NMMGRpath. Delete all unused links so that eight or less links are being used.

18	MESSAGE	Path: NMMGRpath Too many DTCs are being used (max. number allowed = 24). (DTSERR=18)
	CAUSE	The DTC specified in the NMMGRpath cannot be processed. Too many DTCs are already configured.
	ACTION	Go back to the DTC SELECTION screen and delete the DTC specified in the NMMGRpath.

19	MESSAGE	Path: NMMGRpath Too many nodes are being used (max. number allowed = 33). (DTSERR=19)
	CAUSE	The DTC specified in the NMMGRpath cannot be processed. Too many nodes are being used.
	ACTION	Go to the DTC SELECTION screen and delete the DTC specified in the NMMGRpath.

20	MESSAGE	Path: NMMGRpath Too many classes are being used (max. number allowed = 450). (DTSERR=20)
	CAUSE	The total number of classes exceeds the maximum allowed number.
	ACTION	Delete class names so that no more than 450 different class names are associated with asynchronous devices.

21	MESSAGE	Path: NMMGRpath Too many profiles are being used (max. number allowed = 100). (DTSERR=21)
	CAUSE	The total number of defined profiles exceeds the maximum allowed.
	ACTION	Delete profiles so that no more than 100 are specified.

22	MESSAGE	No link is defined. (DTSWARN=22)
	CAUSE	A link is not configured.
	ACTION	Without a configured link, the network management configuration file is useless. Return to the configuration screens and add a link, making sure that all necessary data records are created.

23	MESSAGE	No DTC is defined. (DTSWARN=23)
	CAUSE	A DTC is not configured.
	ACTION	An action is not required if neither terminals, printers, nor both are needed. If terminals and printers are required, return to the configuration screens and add a DTC, making sure that all necessary data records are created.

24	MESSAGE	Path: NMMGRpath LINK.linkname is shared with network interface. (DTSWARN=24)
	CAUSE	The same link is shared between the DTS and the NS subsystem. A separate link must exist for each of the two subsystems.
	ACTION	Decide which of the two subsystems should use the existing link and configure an additional link for the remaining subsystem.

25	MESSAGE	Path: NMMGRpath Modem type not supported. (DTSERR=25)
	CAUSE	The modem type specified on the DTS TERMINAL PROFILE screen is not 0, 1, or 2.
	ACTION	Modify the modem type specified on the DTS TERMINAL PROFILE screen to specify the appropriate modem type. Press Update Data.

27	MESSAGE	Path: NMMGRpath Must supply a physical path. (DTSERR=27)
	CAUSE	A physical path was not specified in the Physical Path IEEE 802.3 Device Adapter field.
	ACTION	Go the IEEE 802.3 LINK CONFIGURATION screen and enter the appropriate physical path. Press Update Data.

28	MESSAGE	Path: NMMGRpath Duplicate profile class name linkname used. (DTSWARN=28)
	CAUSE	The same class name is used in a terminal profile or a printer profile.
	ACTION	Remove the duplicate class name from the printer profile or the terminal profile.

29	MESSAGE	Path: NMMGRpath Class name duplicated between printer and terminal profiles. (DTSERR=29)
	CAUSE	The same class name is used for both a terminal profile and a printer profile.
	ACTION	Remove the duplicate class name from the terminal profile or the printer profile.

30	MESSAGE	Path: NMMGRpath Profile specified for non-nailed terminals is of printer-type. (DTSERR=30)
	CAUSE	A printer profile is specified where only a terminal profile is allowed.
	ACTION	Change the printer profile to be a terminal profile.

31	MESSAGE	Path: NMMGRpath Profile linkname specified for non-nailed PAD terminals is of Printer-type. (DTSERR=31)
	CAUSE	A printer profile is specified where only a terminal profile is allowed.
	ACTION	Change the printer profile to be a terminal profile.

32	MESSAGE	Path: NMMGRpath PAD device name for LDev #nnn is being used at DTS.DTCPC.SELECT.linkname.CARD012.PAD0. (DTSERR=32)
	CAUSE	A PAD name is used more than once.
	ACTION	Remove all of the duplicate references to the PAD name.

33	MESSAGE	Path: NMMGRpath PAD device name for LDev #nnn is being used at DTS.DTCPC.SELECT.linkname .CARD012.PAD1. (DTSERR=33)
	CAUSE	A PAD name is used more than once.
	ACTION	Remove all of the duplicate references to the PAD name.

34	MESSAGE	Path: NMMGRpath PAD device name for LDev #nnn is being used at DTS.DTCPC.SELECT.linkname .CARD012.PAD2. (DTSERR=34)
	CAUSE	A PAD name is used more than once.
	ACTION	Remove all of the duplicate references to the PAD name.

35	MESSAGE	Path: NMMGRpath PAD device name for LDev #nnn is being used at DTS.DTCPC.SELECT.linkname .CARD345.PAD3. (DTSERR=35)
	CAUSE	A PAD name is used more than once.
	ACTION	Remove all of the duplicate references to the PAD name.

36	MESSAGE	Path: NMMGRpath PAD device name for LDev #nnn is being used at DTS.DTCPC.SELECT.linkname .CARD345.PAD4. (DTSERR=36)
	CAUSE	A PAD name is used more than once.
	ACTION	Remove all of the duplicate references to the PAD name.

37	MESSAGE	Path: NMMGRpath PAD device name for LDev #nnn is being used at DTS.DTCPC.SELECT.linkname .CARD345.PAD5. (DTSERR=37)
	CAUSE	A PAD name is used more than once.
	ACTION	Remove all of the duplicate references to the PAD name.

38	MESSAGE	Path: NMMGRpath The same LDEV #nnn is being used at DTS.DTCPC.SELECT.linkname.CARD 012.PAD0. (DTSERR=38)
	CAUSE	The same logical device (ldev) number is used more than once.
	ACTION	Remove the duplicate ldev number.
39	MESSAGE	Path: NMMGRpath The same LDEV #nnn is being used at DTS.DTCPC.SELECT.linkname .CARD012.PAD1. (DTSERR=39)
	CAUSE	The same logical device (ldev) number is used more than once.
	ACTION	Remove the duplicate ldev number.
40	MESSAGE	Path: NMMGRpath The same LDEV #nnn is being used at DTS.DTCPC.SELECT.linkname .CARD012.PAD2. (DTSERR=40)
	CAUSE	The same logical device (ldev) number is used more than once.
	ACTION	Remove the duplicate ldev number.
41	MESSAGE	Path: NMMGRpath The same LDEV #nnn is being used at DTS.DTCPC.SELECT.linkname .CARD345.PAD3. (DTSERR=41)
	CAUSE	The same logical device number (ldev) is used more than once.
	ACTION	Remove the duplicate ldev number.
42	MESSAGE	Path: NMMGRpath The same LDEV #nnn is being used at DTS.DTCPC.SELECT.linkname .CARD345.PAD4. (DTSERR=42)
	CAUSE	The same logical device (ldev) number is used more than once.
	ACTION	Remove the duplicate ldev number.

43	MESSAGE	Path: NMMGRpath The same LDEV #nnn is being used at DTS.DTCPC.SELECT.linkname .CARD345.PAD5. (DTSERR=43)
	CAUSE	The same logical device (ldev) number is used more than once.
	ACTION	Remove duplicate ldev number.

44	MESSAGE	Path: NMMGRpath The same LDEV #nnn is being used at DTS.DTCPC.SELECT.linkname .CARD012.(DTSERR=44)
	CAUSE	The logical device (ldev) number is used more than once in the CARD012 configuration.
	ACTION	Remove any duplicate references to the ldev number.

45	MESSAGE	Path: NMMGRpath The same LDEV #nnn is being used at DTS.DTCPC.SELECT.linkname .CARD345.(DTSERR=45)
	CAUSE	The logical device (ldev) number is used more than once in the CARD345 configuration.
	ACTION	Remove any duplicate references to the ldev number.

46	MESSAGE	Path: NMMGRpath The same node name is being used at linkname. (DTSERR=46)
	CAUSE	The same node name is used more than once.
	ACTION	Remove the duplicate reference to the node name.

47	MESSAGE	Path: NMMGRpath Blank node name. (DTSERR=47)
	CAUSE	A host node name is not specified on the screen specified in the path.
	ACTION	Enter a host node name on the screen specified in the path.

DCC Error Messages

As system start-up nears completion, the Datacomm Configurator (DCC) creates the LINK and DTS managers. If the procedure is successful, the following message will be displayed on the console:

```
DCC STARTUP - OK!
```

If the procedure is not successful, the message above is replaced by one or more error messages. When looking up an error message, note that the following strings of characters are used to represent information that is inserted when the message is generated:

- `P-L` is replaced by a DCC procedure number and DCC location number; used for detailed diagnostics by Hewlett-Packard support representative.

- `SSSSSSSS` is replaced by an eight-digit hexadecimal value; also used for detailed diagnostics.

- `MMM` and `LLL` are replaced by decimal values; used for detailed diagnostics.

- `PATH` is replaced by an NMCONF path or LLIO physical path.

MESSAGE	DCC ERROR P-L, (LLIO status SSSSSSSS).
CAUSE	A problem exists with the low-level I/O services.
ACTION	Contact your Hewlett-Packard support representative.

MESSAGE	DCC ERROR P-L, (reply status SSSSSSSS, msg descriptors MMM).
CAUSE	A problem exists with interprocess communication.
ACTION	Contact your Hewlett-Packard support representative.

MESSAGE	DCC ERROR P-L, Configuration file open error SSSSSSSS.
CAUSE	The configuration file does not exist or it is locked.
ACTION	Check to see if NMCONFIG.PUB.SYS exists. If it exists, verify that it is the proper file type and that it is not locked.

MESSAGE	DCC ERROR P-L, (NMCONF record error SSSSSSSS). NM Path: NMMGRpath
CAUSE	The DCC surrogate cannot read a record in NMCONFIG.PUB.SYS, or data in the file was not validated or the data is corrupt.
ACTION	Validate the NMCONFIG.PUB.SYS file and reboot. If necessary, replace the file, validate the file, and reboot the system.

MESSAGE	DCC ERROR P-L, configuration record data was invalid. NM Path: NMMGRpath
CAUSE	Data in the NMCONFIG.PUB.SYS file was not validated or the data is corrupt.
ACTION	Validate the NMCONFIG.PUB.SYS file and reboot the system.

MESSAGE	DCC ERROR P-L, (HLIO status SSSSSSS, ldev LLL).
CAUSE	A problem exists with the high-level I/O services.
ACTION	Contact your Hewlett-Packard support representative.

MESSAGE	DCC ERROR P-L, (Buffer manager status SSSSSSS).
CAUSE	A problem exists with the datacomm buffers.
ACTION	Contact your Hewlett-Packard support representative.

MESSAGE	DCC ERROR P-L, (External procedure not found).
CAUSE	A problem exists with DCC execution.
ACTION	Contact your Hewlett-Packard support representative.

MESSAGE	DCC ERROR P-L, (Memory management status SSSSSSS).
CAUSE	A problem with the system occurred; the DCC cannot obtain memory.
ACTION	Contact your Hewlett-Packard support representative.

MESSAGE	DCC ERROR P-L, (Ports status SSSSSSS).
CAUSE	A problem with the DCC or the port's subsystem occurred.
ACTION	Contact your Hewlett-Packard support representative.

MESSAGE	DCC ERROR P-L, time out on reply msg, descriptors MMM.
CAUSE	The DCC did not receive a reply message within the allotted time.
ACTION	Contact your Hewlett-Packard support representative.

MESSAGE	DCC ERROR P-L, too many DTCs configured.
CAUSE	The NMCONFIG.PUB.SYS file contains more than the supported number of DTCs.
ACTION	Remove excess DTCs from the NMCONFIG.PUB.SYS file and reboot.

MESSAGE	DCC ERROR P-L, link name specified for the DTS does not exist.
CAUSE	The link name configured in NMMGR on the DTS DATACOMM & TERMINAL CONTROLLER CONFIGURATION screen does not match that on the LINK SELECTION screen.
ACTION	Go the DTS DATACOMM & TERMINAL CONTROLLER CONFIGURATION screen and enter the correct link name.

MESSAGE	DCC ERROR P-L, link name specified for the DTS is not available.
CAUSE	A problem occurred with the link hardware; the LANIC might be in the wrong slot or it might not be connected to the LAN.
ACTION	Check the hardware configuration connections.

MESSAGE	DCC ERROR P-L, too many links configured.
CAUSE	More that eight links are configured.
ACTION	Delete all unused links so that eight or less links are used.

MESSAGE	DCC ERROR P-L, message received on wrong subqueue.
CAUSE	A problem exists with the interprocess communication.
ACTION	Contact your Hewlett-Packard support representative.

MESSAGE	DCC ERROR P-L, unrecognized message received.
CAUSE	A problem exists with the interprocess communication.
ACTION	Contact your Hewlett-Packard support representative.

MESSAGE	DCC ERROR P-L, internal DCC logic error.
CAUSE	A problem internal to the DCC exists.
ACTION	Contact your Hewlett-Packard support representative.

MESSAGE	DCC ERROR P-L, Link error status.
CAUSE	A problem occurred while configuring the link manager.
ACTION	Contact your Hewlett-Packard support representative.

MESSAGE	DCC WARNING P-L, Add Ldev to class failure (HLIO status SSSSSSSS, ldev LLL).
CAUSE	A class contains more than 255 devices, or a conflict in class names exists.
ACTION	Run SYSGEN to verify the conflict.

MESSAGE	DCC ERROR P-L, Configuration file close error SSSSSSSS.
CAUSE	A problem occurred while closing the NMCONFIG.PUB.SYS file or the NMCONFIX.PUB.SYS file.
ACTION	Check that the files exist, and that adequate disk space is available for them. If the files exist and the disk space is large enough, check for file system or hardware problems.

MESSAGE	WARNING: I/O config from last START NORECOVERY will be used. (DCCWARN 100)
CAUSE	A routine message; this indicates that a start recovery is being attempted.
ACTION	No action is required.

MESSAGE	DCC WARNING P-L, (Startup) cannot open NMCONFIG, status SSSSSSSS.
CAUSE	Cannot open the NMCONFIG.PUB.SYS file.
ACTION	Check that the file exists and that it is not locked. If the file exists and is not locked, check for file system or hardware problems.

MESSAGE	DCC WARNING P-L, (Startup) cannot purge NMCONFIX, status SSSSSSSS.
CAUSE	The NMCONFIX.PUB.SYS file cannot be purged.
ACTION	Check that the file exists. If the file exists, check for file system or hardware problems.

MESSAGE	DCC WARNING P-L, (Startup) cannot open NMCONFIX, status SSSSSSSS.
CAUSE	The NMCONFIX.PUB.SYS file exists but it cannot be opened.
ACTION	Check that the file is not locked. If the file is not locked, check for file system or hardware problems.

MESSAGE	DCC WARNING P-L, (Startup) cannot create NMCONFIX, status SSSSSSSS.
CAUSE	A disk space problem, a file system problem, or a hardware problem exists.
ACTION	Verify that enough disk space is available. If enough disk space is available, verify that no the file system problems exist. Then, verify that no hardware problems exist.

MESSAGE	DCC WARNING P-L , (Startup) cannot copy record from NMCONFIX, status SSSSSSSS.
CAUSE	The NMCONFIX.PUB.SYS does not exist, or a file system or hardware problem exists.
ACTION	Check that the NMCONFIX.PUB.SYS file exists. If it does not, restore it. If the file exists, check for file system or hardware problems.

MESSAGE	DCC WARNING P-L, (Startup) cannot copy record to NMCONFIG, status SSSSSSSS.
CAUSE	The NMCONFIG.PUB.SYS file does not exist, or a file system or hardware problem exists.
ACTION	If the file does not exist, create it. If the file exists, check for file system or hardware problems.

MESSAGE	DCC WARNING P-L, (Startup) cannot close NMCONFIG, status SSSSSSSS.
CAUSE	The NMCONFIG.PUB.SYS file does not exist, or a disk space, a file system, or hardware problem exists.
ACTION	Check that the NMCONFIG.PUB.SYS file exists. If it does not exist, restore it. If the file exists, check for a disk space problem, a file system problem, or a hardware problem.

MESSAGE	DCC WARNING P-L, (Startup) cannot close NMCONFIX, status SSSSSSSS.
CAUSE	The NMCONFIX.PUB.SYS file does not exist, or a disk space, file system, or hardware problem exists.
ACTION	Check that the NMCONFIX.PUB.SYS exists. If it does not exist, restore it. If the file exists, check for a file system problem or a hardware problem.

MESSAGE	DCC ERROR P-L, Blank NODENAME.
CAUSE	A host node name was not configured.
ACTION	Configure a host node name.

MESSAGE	DCC ERROR P-L, Configuration file not validated.
CAUSE	Either modifications were made to the network management configuration file and the file was not validated, or the file was validated but the errors listed to the console were not corrected.
ACTION	Either validate the network management configuration file, or correct the errors listed to the console when the file was first validated. Then revalidate the file. The host will be rebooted.

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File System Label Management

(Subsystem 153)

1	MESSAGE	An internal offset is not valid because it is either less than the minimum or greater than the maximum possible offset for the designated label table.
	CAUSE	A file corruption occurred.
	ACTION	Call Hewlett-Packard and notify your representative that a possible file corruption has occurred.

2	MESSAGE	The offset component of the specified UFID is invalid. It does not match the offset stored in the file label assigned with the specified UFID. The file label offset component is probably corrupted.
	CAUSE	A file corruption occurred.
	ACTION	Call Hewlett-Packard and notify your representative that a possible file corruption has occurred.

3	MESSAGE	The time stamp components of the UFID do not match the time stamp components stored in the file label for the associated UFID.
	CAUSE	A file corruption has occurred.
	ACTION	Call Hewlett-Packard and notify your representative that a possible file corruption has occurred.

4	MESSAGE	The count of the number of descriptors in the extent block exceeds the maximum possible value.
	CAUSE	A file corruption has occurred.
	ACTION	Call Hewlett-Packard and notify your representative that a possible file corruption has occurred.

5	MESSAGE	The PARENT_LABEL_OFFSET field of the extent or label extension block does not equal the offset of the parent file label to which this block is linked.
	CAUSE	A file corruption has occurred.
	ACTION	Call Hewlett-Packard and notify your representative that a possible file corruption has occurred.

6	MESSAGE	The pointer to the first free extent block on the extent free list is either greater than the maximum or less than the minimum possible offset for the designated label table.
	CAUSE	A file corruption has occurred.
	ACTION	Call Hewlett-Packard and notify your representative that a possible file corruption has occurred.

7	MESSAGE	The starting sector offset passed to the Label Management mount routines does not match that which is stored in the label table's header.
	CAUSE	A file corruption has occurred.
	ACTION	Call Hewlett-Packard and notify your representative that a possible file corruption has occurred.

8	MESSAGE	The file sector offset of the first extent of the designated label table is not equal to zero. This value is stored in the first extent descriptor in the extent trap for the label table itself.
	CAUSE	The label table has been corrupted. START will fail, with label management error displaying on the console.
	ACTION	Call your Hewlett-Packard Representative.

9	MESSAGE	The disk sector address field for the first extent of the label table does not equal the address passed to the label table mount routines.
	CAUSE	The label table has been corrupted. START will fail, with label management error displaying on the console.
	ACTION	Call your Hewlett-Packard Representative.

10	MESSAGE	There are no more magic extent block or label extension blocks. The free pool has been exhausted.
	CAUSE	The system tried to allocate more magic extent blocks than the label table has reserved. START will fail, with label management error displaying on the console.
	ACTION	Call your Hewlett-Packard Representative.

11	MESSAGE	The internal timer field of the UFID does not match the internal timer field stored in the actual label for the associated UFID.
	CAUSE	File corruption has occurred. LISTF will fail, with bad UFID displaying on the console.
	ACTION	Call your Hewlett-Packard Representative.

12	MESSAGE	An internal change has been made and the size of a label table entry no longer equals the size of a table management entry.
	CAUSE	An internal change has been made and the size of the label table entry no longer equals the size of the table management entry. The INSTALL of the system will fail.
	ACTION	Call your Hewlett-Packard Representative.

13	MESSAGE	The number of extent fields in the extent block is out of range.
	CAUSE	File corruption has occurred.
	ACTION	Call your Hewlett-Packard Representative.

14	MESSAGE	The requested magic file label has not yet been allocated.
	CAUSE	A requested magic file label has not yet been allocated. START will fail, with a label management error displaying on the console.
	ACTION	Call your Hewlett-Packard Representative.

15	MESSAGE	Label management was trying to allocate an entry which is not marked as free.
	CAUSE	label management was trying to allocate an entry which is not marked as free.
	ACTION	Call your Hewlett-Packard Representative.

16	MESSAGE	The specified label extension category is undefined. There are three defined extension categories (sm;tm;ii), and a request has been made to access an undefined category.
	CAUSE	A request has been made to access an unidentified category.
	ACTION	The error status will be sent to the caller.

17	MESSAGE	An attempt has been made to access an unallocated file label extension category. The category is defined but the extension for the specified file label has not yet been allocated.
	CAUSE	A request has been made to access a file label extension which is undefined.
	ACTION	The error status will be sent to the caller.

18	MESSAGE	An attempt has been made to read beyond the end of the file label extension for the specified file label.
	CAUSE	Read beyond the limit of the file label extension.
	ACTION	The error status will be sent to the caller.

19	MESSAGE	The entry defined by the offset component of the specified UFID is not marked as a file label.
	CAUSE	The entry defined by the offset in the UFID is not a file label.
	ACTION	The error status will be sent to the caller.

20	MESSAGE	The first extent block on the extent block free list is not marked as a free extent block.
	CAUSE	Same as message content.
	ACTION	Call your Hewlett-Packard Representative.

21	MESSAGE	The currently selected extent block for the file identified by the UFID is not marked as an allocated extent block but is being used as such.
	CAUSE	The extent block being accessed is not an allocated entry.
	ACTION	The error status will be sent to the caller.

22	MESSAGE	The link field of the current extent block does not point to an extent block that belongs to the specified file label.
	CAUSE	Same as message content.
	ACTION	The error status will be sent to the caller.

23	MESSAGE	An extent with the same starting file sector offset already exists.
	CAUSE	File corruption.
	ACTION	Abort the system and call your Hewlett-Packard Representative.

24	MESSAGE	There exists an extent descriptor for this file label that defines an extent that is not page aligned.
	CAUSE	Same as message content.
	ACTION	The error status will be sent to the caller. Call your Hewlett-Packard Representative.

25	MESSAGE	There exists an extent descriptor for this file label that defines an extent that is not a multiple of a page size.
	CAUSE	Same as message content.
	ACTION	The error status will be sent to the caller.

26	MESSAGE	There exists an extent descriptor for this file label that defines an extent that is not within the defined limits of the file.
	CAUSE	File corruption.
	ACTION	The error status will be sent to the caller.

27	MESSAGE	There exists an extent descriptor for this file label that defines an extent for which no or partial secondary shortage is allocated.
	CAUSE	File corruption.
	ACTION	The error status will be sent to the caller.

28	MESSAGE	The version of this label table is invalid or incompatible with the current version of the software.
	CAUSE	Same as message content.
	ACTION	Call your Hewlett-Packard Representative.

29	MESSAGE	There exists an extent block linked to this file label identified by the UFID that is marked as a free entry but is not being used as such.
	CAUSE	Same as message content.
	ACTION	Call your Hewlett-Packard Representative.

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File System Storage Management

(Subsystem 185)

10	MESSAGE	The procedure could not create a new file label.
	CAUSE	LM_ALLOC_LABEL returned bad status.
	ACTION	Check the status returned from LM_ALLOC_LABEL and call your Hewlett-Packard Representative.

20	MESSAGE	The new file size is greater than the available disk space.
	CAUSE	LM_ADD_EXTENT_DESCRIPTION returned bad status.
	ACTION	Free some disk space and try again.

30	MESSAGE	The new file size is greater than the available disk space.
	CAUSE	ALLOCATE_SEC_STORAGE failed or accounting denied disk request.
	ACTION	Reduce requested file size or add on more disk space.

40	MESSAGE	The PAGE ALLOCATION request for a new file is negative.
	CAUSE	Bad parameter value (INIT_ALLOC_PAGE) passed to SM_CREATE.
	ACTION	Fix source and recompile if running user code..

50	MESSAGE	Initial page request exceeds file size.
	CAUSE	Bad parameter passed to SM_CREATE.
	ACTION	Fix source and recompile if running user code.

60	MESSAGE	Volume Management refused file open request.
	CAUSE	VLM_INCR_OPEN_COUNT returned bad status. Possible security violation.
	ACTION	Examine the status returned from VLM_INCR_OPEN_COUNT.

70	MESSAGE	Volume Management refused request to close a file.
	CAUSE	VLM_DECR_OPEN_COUNT returned bad status. Storage management attempted to decrement the file open count but it was already 0. Possible security violation. Possible full KSAM file.
	ACTION	Examine the status returned from VLM_DECR_OPEN_COUNT. Check for possible security violations. If you're using a KSAM file, verify that it is not full. If it is, increase its size and try operation again.

100	MESSAGE	Missing FILE LABEL occurred during FILE OPEN.
	CAUSE	LM_GET_FILE_LABEL_PTR returned bad status.
	ACTION	Check the status returned from LM_GET_FILE_LABEL_PTR. If corrupt, call your Hewlett-Packard Representative.

110	MESSAGE	VSM failed to ALLOCATE a new file descriptor.
	CAUSE	VSM_ALLOCATE_GU_FD failed. Table may be full.
	ACTION	Examine the status returned from VSM_ALLOCATE_GU_FD. Retry program; GU_FD table entries will be made available dynamically.

200	MESSAGE	The GLOBAL FILE POINTER was not initialized.
	CAUSE	Caller did not set parameter value correctly.
	ACTION	Recode and recompile user program.

220	MESSAGE	Illegal protection request during FILE OPEN.
	CAUSE	File is currently open and protected by an incompatible protection scheme.
	ACTION	Close the file or change access to match the one currently being used or alter file security.

230	MESSAGE	New user requests incompatible access methods during FILE_OPEN.
	CAUSE	Another user has opened the file with a different PID protection mechanism or with incompatible access rights.
	ACTION	Alter the open method to include compatible access rights or wait until all other users have closed the file.

250	MESSAGE	VSM was unable to MAP requested file to memory.
	CAUSE	VSM_MAP_IN_FILE failed. Possible memory contention.
	ACTION	Examine the status returned from VSM_MAP_IN_FILE.

260	MESSAGE	VSM could not remove file from memory.
	CAUSE	File is currently open with incompatible access methods or SM_MAP_OUT_FILE returned bad status.
	ACTION	Examine error stack to find original source of error.

292	MESSAGE	The file size exceeds the MAP-IN limit.
	CAUSE	Size of the file is greater than maximum size of SR6/SR7 space.
	ACTION	Reduce the file size.

296	MESSAGE	MAP-IN failed because of a bad volume ID.
	CAUSE	VSM_MAP_IN_FILE failed.
	ACTION	Examine the status returned from VSM_MAP_IN_FILE and compare the value with the volume ID.

310	MESSAGE	STMGT received a READ/WRITE request for an unopened file.
	CAUSE	GUFD entry was not found in the hash table.
	ACTION	Recode source to open file before reading/writing.

320	MESSAGE	On file close, a negative EOF value was found.
	CAUSE	Unknown at this time.
	ACTION	Call your Hewlett-Packard Representative.

340	MESSAGE	MEMMGT failed to POST data from memory to disk.
	CAUSE	The call to POST returned bad status.
	ACTION	Call your Hewlett-Packard Representative.

350	MESSAGE	The root node (accounting) could not be closed.
	CAUSE	SM_CLOSE returned bad status. Another process may be accessing the root node.
	ACTION	Examine the status from SM_CLOSE.

360	MESSAGE	The procedure could not CLOSE account node.
	CAUSE	SM_CLOSE failed. Another process may be accessing the root node.
	ACTION	Examine the status returned from SM_CLOSE.

370	MESSAGE	The procedure could not CLOSE group node.
	CAUSE	SM_CLOSE failed.
	ACTION	Examine the status returned from SM_CLOSE and call your Hewlett-Packard Representative.

514	MESSAGE	A Pascal recover block was entered unexpectedly.
	CAUSE	Cause is usually associated with software or hardware traps which have been tripped because of invalid addresses, invalid access rights, or arithmetic underflow/overflow.
	ACTION	Take a system dump and call your Hewlett-Packard Service Representative.

600	MESSAGE	An unknown option was passed to SM_CNTL.
	CAUSE	Bad parameter.
	ACTION	Review the source of the program.

650	MESSAGE	Label Management failed to update the EOF.
	CAUSE	The request to start or restart a transaction failed.
	ACTION	Examine the status returned from LM_START_WRITE and call your Hewlett-Packard Representative..

660	MESSAGE	Label Management failed to update the EOF.
	CAUSE	The request to finish a transaction failed.
	ACTION	Examine the status returned from LM_FINISH_WRITE and call your Hewlett-Packard Representative.

670	MESSAGE	The EOF could not be updated in the Label Table.
	CAUSE	XM_END_SYSTEM_TRANS failed.
	ACTION	Examine the status from XM_END_SYSTEM_TRANS and call your Hewlett-Packard Representative.

680	MESSAGE	After EOF expansion, the virgin area of the file could not be filled on disk.
	CAUSE	VSM_FILL_DISK_VIRGIN failed.
	ACTION	Examine the status returned from VSM_FILL_DISK_VIRGIN and call your Hewlett-Packard Representative.

700	MESSAGE	The file's actual disk requirement could not be determined.
	CAUSE	GET_OBJECT_ATTRIBUTE failed.
	ACTION	Examine return status from GET_OBJECT_ATTRIBUTE and call your Hewlett-Packard Representative.

750	MESSAGE	The available disk space is less than the amount requested.
	CAUSE	The prefetch failed or an attempt to move data to disk escaped because of insufficient disk space.
	ACTION	Generate new disk space.

760	MESSAGE	A prefetch request failed.
	CAUSE	A call to prefetch failed.
	ACTION	Examine the status from prefetch to determine why it failed.

800	MESSAGE	No file descriptors exist on the closed file list.
	CAUSE	Number of open files is exactly the same as available file descriptors.
	ACTION	Expand the VSOD table.

850	MESSAGE	An XM file could not be mapped from memory to disk.
	CAUSE	Call to XM_POST_FILE_FOR_MAP_OUT failed.
	ACTION	Examine the status returned from XM_POST_FILE_FOR_MAP_OUT and if necessary, add more secondary storage.

860	MESSAGE	VSM failed to map file from memory to disk.
	CAUSE	VSM_MAP_OUT_FILE failed.
	ACTION	Examine the status returned from VSM_MAP_OUT_FILE.

900	MESSAGE	The label table has a negative EOF.
	CAUSE	Label management requested a negative EOF during SM_MAP_LABEL.
	ACTION	Fix the source to pass a positive EOF.

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Floating Point Conversion

(Subsystem 193)

1	MESSAGE	Inexact exception in a floating point conversion. (HPFPCONVERT WARNING 1)
	CAUSE	Exact representation is not possible in the specified IEEE destination format.
	ACTION	None.

3	MESSAGE	Underflow exception in a floating point conversion. (HPFPCONVERT WARNING 3)
	CAUSE	Result magnitude is too small for the destination format.
	ACTION	Consider other destination formats and/or rounding mode.

5	MESSAGE	Overflow result in a floating point conversion. (HPFPCONVERT WARNING 5)
	CAUSE	Result magnitude is too large for the destination format.
	ACTION	Consider other destination formats and/or rounding mode.

8	MESSAGE	Invalid operation exception. (HPFPCONVERT WARNING 8)
	CAUSE	The input NaN cannot be represented in the destination format.
	ACTION	Program around the attempted conversion or correct the bad data.

101	MESSAGE	Invalid source format. (HPFPCONVERT ERROR 101)
	CAUSE	The source format value is not between 1 and 5.
	ACTION	Use valid numbers (shortint 1 through 5): 1 = cm32, 2 = cm64, 3 = nm32, 4 = nm64, 5 = nm128

102	MESSAGE	Invalid destination format. (HPFPCONVERT ERROR 102)
	CAUSE	The destination format value is not between 1 and 5.
	ACTION	Use valid numbers (shortint 1 through 5): 1 = cm32, 2 = cm64, 3 = nm32, 4 = nm64, 5 = nm128

104	MESSAGE	Invalid rounding mode. (HPFPCONVERT ERROR 104)
	CAUSE	The rounding mode value is not between 0 and 3.
	ACTION	Use valid numbers: 0 = round to nearest, 1 = round toward zero, 2 = round toward + infinity, 3 = round toward - infinity

105	MESSAGE	CM to NM switch error. (HPFPCONVERT ERROR 105)
	CAUSE	Input parameters are incomplete or invalid.
	ACTION	Use valid input parameters.

106	MESSAGE	CM parameter(s) missing. (HPFPCONVERT ERROR 106)
	CAUSE	Parameters incomplete or invalid.
	ACTION	Use all valid required parameters.

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High Level I/O

(Subsystem 111)

1	MESSAGE	The I/O request was aborted.
	CAUSE	Many possible causes.
	ACTION	This is a warning message and not a standard error condition. Therefore, no additional action is required.

2	MESSAGE	The I/O request is currently active.
	CAUSE	Same as message content.
	ACTION	This is a warning message and not a standard error condition. Therefore, no additional action is required.

3	MESSAGE	The request is currently queued in the manager's input queue.
	CAUSE	Same as message content.
	ACTION	This is a warning message and not a standard error condition. Therefore, no additional action is required.

4	MESSAGE	The LDEV specified was invalid.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

5	MESSAGE	The LDEV specified was not configured.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

6	MESSAGE	A bad virtual address or nil pointer was specified.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

7	MESSAGE	The length specified was negative, or the total length in the user data chain did not add up to length.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

8	MESSAGE	The sector specified was zero.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

9	MESSAGE	The function specified was invalid for this device.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

10	MESSAGE	The message was not found in the input queue.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

11	MESSAGE	The subqueue specified is used by the I/O system.
	CAUSE	Same as for message Content.
	ACTION	Call your Hewlett-Packard Representative.

13	MESSAGE	The I/O completion port must be ICS-sendable.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

14	MESSAGE	The I/O completion port must be able to handle the largest HLIO message.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

15	MESSAGE	The I/O completion port must have 32 subqueues.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

17	MESSAGE	The procedure can not be called from the ICS.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

18	MESSAGE	The device is in a disabled state, and I/O may not be performed to it.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

19	MESSAGE	The data chain passed to SENDIO had unaligned data.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

20	MESSAGE	The I/O request has generated more than the maximum of 32 data chains.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

21	MESSAGE	The I/O request index supplied was outside the range of the table.
	CAUSE\Internal error.	
	ACTION	Call your Hewlett-Packard Representative.

22	MESSAGE	The RENDEZVOUS for the I/O request has already been done.
	CAUSE\Internal error.	
	ACTION	Call your Hewlett-Packard Representative.

24	MESSAGE	A message was received by the LDM that was not understood.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

25	MESSAGE	A request to release the device was issued while the device was still allocated.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

26	MESSAGE	A die request was sent to the LDM, but the LDM is still bound to DM.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

27	MESSAGE	A request to release the device was issued while I/O was still active.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

28	MESSAGE	The LDM is bound to a different DM than specified in the LDM_DO_UNBIND_MSG.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

29	MESSAGE	The request failed because we were out of resources.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

30	MESSAGE	The function requested is not implemented.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

31	MESSAGE	There are currently no outstanding requests for the device.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

32	MESSAGE	The device class is invalid.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

33	MESSAGE	The COMPATIBILITY MODE I/O queue index is invalid.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

34	MESSAGE	There is a flow control problem in the LDM.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

35	MESSAGE	There is a flow control problem in the LDM.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

36	MESSAGE	The procedure failed to make the user's buffer present.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

37	MESSAGE	The request to abort a MIB chain has found an already aborted MIB.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

38	MESSAGE	An HLIO internal error was detected.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

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HPIB Adapter Manager

(Subsystem 116)

1	MESSAGE	The READ transaction was terminated by END or IDENTIFY (EOI) with an even number of bytes transferred.
2	MESSAGE	The READ transaction was terminated by END or IDENTIFY (EOI) with an odd number of bytes transferred.
3	MESSAGE	The READ transaction was terminated by COUNT; the COUNT was even.
4	MESSAGE	The READ transaction was terminated by COUNT; the COUNT was odd.
5	MESSAGE	The READ transaction was terminated by LINE-FEED; the COUNT was even.
6	MESSAGE	The READ transaction was terminated by LINE-FEED; the COUNT was odd.
7	MESSAGE	The READ transaction was terminated by SECONDARY ADDRESS; the COUNT was even.
8	MESSAGE	The READ transaction was terminated by the SECONDARY ADDRESS; the COUNT was odd.
9	MESSAGE	The transaction was terminated by the host; the data transfer to host was terminated by Channel END (CEND) instead of Device END (DEND).

10	MESSAGE	The HPIB DAM has detected a time-out when identifying a device.
129	MESSAGE	The HPIB DAM has received an unknown TSTATUS.
137	MESSAGE	The HPIB DAM has detected an error in its internal REQ_INFO_ENTRY; an entry is currently in use.
138	MESSAGE	The HPIB DAM has detected an error in its internal REQ_INFO entry; an incorrect user ID is detected.
139	MESSAGE	The HPIB DAM has detected an error in its internal RS_BLOCK; an incorrect use of RS_BLOCK_PTR.
140	MESSAGE	The HPIB DAM has detected an error in its internal RS_BLOCK; an entry of RS_BLOCK is currently in use.
141	MESSAGE	The HPIB DAM has detected an error in its internal RS_BLOCK; an entry with incorrect use of user ID.
142	MESSAGE	The HPIB DAM has detected no internal user ID available.
143	MESSAGE	The HPIB DAM has detected its internal REQ_INFO TABLE integrity error.
144	MESSAGE	The HPIB DAM has detected an error in its internal DM_TABLE; table integrity error.
145	MESSAGE	The HPIB DAM has detected an error in its internal DAM_TABLE; table integrity error.
146	MESSAGE	The HPIB DAM has detected internal fatal software error.

154	MESSAGE	The HPIB device adapter has detected a timeout during a detailed report phase; it can be either in command, execution, or report phase. The device adapter also detected a second timeout while trying to send UNTALK or UNLISTEN commands.
155	MESSAGE	The HPIB device adapter has detected a timeout during a detailed report phase; it can be either in command, execution, or report phase. The device adapter is also no longer a CONTROLLER-IN-CHARGE (CIC).
156	MESSAGE	The HPIB device adapter has detected a timeout during a detailed report; it can occur either in command, execution, or report phase.
157	MESSAGE	The HPIB device adapter has detected a timeout during a CS80 reporting phase, and it also has detected a second timeout while trying to send UNTALK or UNLISTEN commands.
158	MESSAGE	The HPIB device adapter has detected a timeout during a CS80 reporting phase, and it is no longer a CONTROLLER-IN-CHARGE (CIC).
159	MESSAGE	The HPIB device adapter has detected a timeout during a CS80 reporting phase.
160	MESSAGE	The HPIB device adapter has detected a timeout during a CS80 execution phase, and it has also detected a second timeout while trying to send UNTALK or UNLISTEN commands.
161	MESSAGE	The HPIB device adapter has detected a timeout during a CS80 execution phase, and the device adapter is no longer a CONTROLLER-IN-CHARGE (CIC).
162	MESSAGE	The HPIB device adapter has detected a timeout during a CS80 execution phase.
163	MESSAGE	The HPIB device adapter has detected a timeout during a CS80 command phase, and it has also detected a second timeout while trying to send UNTALK or UNLISTEN commands.

164	MESSAGE	The HPIB device adapter has detected a timeout during a CS80 command phase, and it is no longer a CONTROLLER-IN-CHARGE (CIC).
165	MESSAGE	The HPIB device adapter has detected a timeout during a CS80 command phase.
166	MESSAGE	The HPIB device adapter has detected that the data portion of the CS80 request block was missing from the request phase.
192	MESSAGE	The HPIB device adapter has detected a timeout during a CS80 execution phase.
205	MESSAGE	The HPIB device adapter has been set to a different block size transferred. The block size has to be reset first before setting to a desired value. Other device(s) may be doing the block size transferred.
206	MESSAGE	The HPIB DAM has currently exceeded the maximum number of the concurrent I/O transactions. It can only support 8 concurrent I/Os at any one time.
210	MESSAGE	The HPIB device adapter has detected that the DEVICE ADAPTER PROGRAM (DAP) length exceeds its maximum limit - DAP length greater than 512 bytes limit.
211	MESSAGE	The HPIB device adapter has detected an illegal DEVICE ADAPTER LANGUAGE (DAL) opcode.
212	MESSAGE	The HPIB device adapter has detected a DEAD-OR-DYING or PROTOCOL error.
213	MESSAGE	The HPIB device adapter did not return any hardware TSTATUS.
214	MESSAGE	The HPIB device adapter has failed its internal self test.

215	MESSAGE	The HPIB device adapter has failed to identify as an Advanced HPIB Device Adapter Interface.
216	MESSAGE	The HPIB device adapter failed its internal self test.
217	MESSAGE	The HPIB device adapter function can not be done because PARALLEL POLL (PPOLL) interrupt is enabled. It can be returned in response to a setting of ATTENTION (ATN) FALSE in the transaction.
218	MESSAGE	The HPIB device adapter has detected that the LOOPBACK functional test failed.
219	MESSAGE	The HPIB device adapter outbound data is frozen due to presence of inbound data on the device adapter; it will not happen when the device adapter is CONTROLLER-IN-CHARGE (CIC).
220	MESSAGE	The HPIB device adapter has detected an INTERFACE CLEAR (IFC) abort of data transfer.
221	MESSAGE	The HPIB device adapter has detected an HPIB DEVICE CLEAR (DCL).
222	MESSAGE	The HPIB transaction requires device adapter to be either addressed or not CONTROLLER-IN-CHARGE (CIC). Presently, it is NOT in either case.
223	MESSAGE	The HPIB device adapter is CONTROLLER-IN-CHARGE (CIC) and it should not be.
224	MESSAGE	The HPIB device adapter is not CONTROLLER-IN-CHARGE and it should be.
225	MESSAGE	The HPIB device adapter is not configured to be a SYSTEM CONTROLLER (SC) and it should be.

226	MESSAGE	The HPIB device adapter transaction function code is either NOT implemented or NOT supported.
227	MESSAGE	The HPIB device adapter has detected that no DEVICE ADAPTER PROGRAM (DAP) has been downloaded. This error is given when an execute downloaded DAP function is attempted before the DAP has been previously downloaded.
228	MESSAGE	The HPIB current DEVICE ADAPTER PROGRAM (DAP) is still in use.
229	MESSAGE	The HPIB Device Adapter Program (DAP) has detected a device locked during error report/recovery.
230	MESSAGE	The HPIB device adapter has detected the failure of the DEVICE ADAPTER PROGRAM (DAP) being downloaded.
244	MESSAGE	The HPIB DAM has detected an ERROR when it tries to get virtual quads for this I/O request.
245	MESSAGE	The HPIB DAM has detected an error when it tries to get a message frame; IO_GET_FRAME error.
246	MESSAGE	The HPIB DAM has run out of its internal software resources; FATAL internal error.
248	MESSAGE	The HPIB DAM has detected an error from the CAM when checking the I/O pointers.
249	MESSAGE	The HPIB DAM has detected an error from the CAM; CAM has no resources available.
250	MESSAGE	The HPIB DAM has detected that the I/O request has been aborted.
251	MESSAGE	The CHANNEL ADAPTER MANAGER has returned an error in the low level status.

252	MESSAGE	The HPIB DAM has detected that the I/O request has been aborted.
253	MESSAGE	The CHANNEL ADAPTER MANAGER has no resources available.
254	MESSAGE	The CHANNEL ADAPTER MANAGER has detected an error in the I/O request pointers.

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HPIO Channel Manager

(Subsystem 114)

38	MESSAGE	An I/O transaction completed with a non-zero residue count. This is to be expected under normal I/O conditions.
	CAUSE	DMA transferred fewer bytes than specified.
	ACTION	No action required.

44	MESSAGE	An asynchronous interrupt from a device adapter card was detected, but no associated DMA was found. The interrupt is treated as being spurious in nature.
	CAUSE	Noisy signal from the CIO bus connector cable.
	ACTION	Check the CIO bus connector cable and replace if necessary.

46	MESSAGE	A spurious timer event message was received without an associated request info block. The timer event was discarded, assuming it to be spurious in nature.
	CAUSE	Software race condition with the timer subsystem.
	ACTION	No action required.

51	MESSAGE	A request to enable parity checking for a device adapter card must be denied, because this version of the channel does not support parity.
	CAUSE	CIO channel adapter hardware version does not support parity checking.
	ACTION	No action required.

129	MESSAGE	The CIO-specific third-level interrupt handler failed to send an interrupt event notification message to the associated CHANNEL ADAPTER MANAGER.
	CAUSE	Interrupt Completion List has been corrupted.
	ACTION	Take a system dump for analysis.

150	MESSAGE	The CHANNEL ADAPTER MANAGER has been set to a "BROKEN" state by the diagnostic subsystem. In this state, the channel adapter hardware is assumed to be broken, such that no I/O transaction can be successfully completed.
	CAUSE	The CIO channel adapter hardware is broken.
	ACTION	Refer to the diagnostic subsystem or replace the CIO channel adapter hardware.

151	MESSAGE	The CHANNEL ADAPTER MANAGER has received an event message for which an action procedure is not known. This generally occurs during anomalous manager state transitions, such as powerfail recovery.
	CAUSE	Software error reported.
	ACTION	No action required.

152	MESSAGE	The CHANNEL ADAPTER MANAGER has received a message that contains a descriptor of unknown value in the header. The message is thrown away and no further action is taken.
	CAUSE	Software error reported.
	ACTION	No action required.

153	MESSAGE	The CHANNEL ADAPTER MANAGER is in an ILLEGAL STATE condition. A possible cause for this condition is the corruption of the port data area.
	CAUSE	Software error reported.
	ACTION	No action required.

154	MESSAGE	The CHANNEL ADAPTER MANAGER has received a request message that can not be legally accepted and processed in its current state. An error reply message is returned to the originator of the request.
	CAUSE	Software reported.
	ACTION	No action required.

155	MESSAGE	The CHANNEL ADAPTER MANAGER has been invoked with no associated message. This is a catastrophic error and no action is taken by the manager, except to notify the diagnostic subsystem of the error.
	CAUSE	A problem exists with IPC in SEND_MSG interface.
	ACTION	Take a system dump for analysis.
156	MESSAGE	The CHANNEL ADAPTER MANAGER encountered a system or I/O SERVICES error during the processing of an I/O transaction. The general nature of system service errors will tend to be in the IPC or timer services.
	CAUSE	A system service error occurred.
	ACTION	Take a system dump for analysis.
157	MESSAGE	The channel hardware reported an undefined subchannel state error condition. In response, the associated device adapter card is reset by the CHANNEL ADAPTER MANAGER to clear the error condition.
	CAUSE	Bad CIO connector cable or defective device adapter card.
	ACTION	Run diagnostics on the device adapter card.
159	MESSAGE	The channel hardware reported a subchannel RTS buffer OVERRUN error condition. The maximum RTS message allowed is 16 bytes. The associated device adapter card is reset by the CHANNEL ADAPTER MANAGER to clear the error condition.
	CAUSE	Bad I/O connector cable or defective device adapter card.
	ACTION	Run diagnostics on the device adapter card.
160	MESSAGE	The channel hardware reported a SRQ assertion on an inactive subchannel. This is generally a noise problem on the CIO backplane.
	CAUSE	Bad I/O connector cable or defective device adapter card.
	ACTION	Run diagnostics on the device adapter card.

161	MESSAGE	The channel hardware reported an unknown subchannel DMA command. In response to this error condition, the device adapter card is reset by the CHANNEL ADAPTER MANAGER.
	CAUSE	Bad CIO connector or defective device adapter card.
	ACTION	Run diagnostics on the device adapter card.

162	MESSAGE	The channel hardware reported an unknown subchannel error. The CHANNEL ADAPTER MANAGER, in response, will reset the associated device adapter card.
	CAUSE	Bad I/O connector cable or defective device adapter card.
	ACTION	Run diagnostics on the device adapter card.

164	MESSAGE	The channel hardware did not detect the expected assertion of the MYAD line during a subchannel primitive addressing operation. The device adapter card is reset to clear the subchannel error condition.
	CAUSE	Bad CIO connector cable or defective device adapter card.
	ACTION	Run diagnostics on the device adapter card.

165	MESSAGE	The channel hardware reported a subchannel data parity error condition. In response, the device adapter card is reset by the CHANNEL ADAPTER MANAGER to clear the error condition.
	CAUSE	Bad CIO connector cable or defective device adapter card.
	ACTION	Run diagnostics on the device adapter card.

167	MESSAGE	The channel hardware reported a catastrophic module error with an undefined error code. The entire channel is reset by the CHANNEL ADAPTER MANAGER to clear the error condition.
	CAUSE	CIO channel adapter hardware or bus error.
	ACTION	Run diagnostics on the channel adapter card.

168	MESSAGE	The channel hardware reported a catastrophic module error where an ARQ line was asserted on the CIO backplane, but no device adapter card responded to the ARQ poll. The entire channel is reset to clear the error condition.
	CAUSE	CIO channel adapter hardware or bus error occurred.
	ACTION	Run diagnostics on the channel adapter.

169	MESSAGE	The channel hardware reported a catastrophic module error where no response was found to a midbus address transaction. In response, the entire channel is reset to clear the error condition.
	CAUSE	CIO channel adapter hardware or bus error.
	ACTION	Run diagnostics on the channel adapter.

170	MESSAGE	The channel hardware reported a catastrophic module error where, as master on midbus, a PROTOCOL error was detected. The entire channel is reset in order to clear the error condition.
	CAUSE	CIO channel adapter hardware or bus error.
	ACTION	Run diagnostics on the channel adapter.

171	MESSAGE	The channel hardware reported a catastrophic module error where a data parity error was detected during a midbus transaction. The entire channel is reset in order to clear the error condition.
	CAUSE	CIO channel adapter hardware or bus error.
	ACTION	Run diagnostics on the channel adapter.

172	MESSAGE	The channel hardware reported an error caused by a diagnostic loopback test.
	CAUSE	Bad CIO channel adapter hardware.
	ACTION	Replace channel adapter hardware.

175	MESSAGE	The channel hardware received an invalid (not decodable) command.
	CAUSE	Bad CIO channel adapter hardware.
	ACTION	Replace CIO channel adapter hardware.

176	MESSAGE	The channel hardware reported a catastrophic internal module error condition. In response, the entire channel is reset by the CHANNEL ADAPTER MANAGER in order to clear the error condition.
	CAUSE	Bad CIO channel adapter hardware.
	ACTION	Replace CIO channel adapter hardware.
181	MESSAGE	The internal request information block list is not consistent. This list is doubly linked and is used to track all I/O transactions on the channel hardware.
	CAUSE	Channel Adapter Manager (CAM) data structure corruption.
	ACTION	Take a system dump for analysis.
182	MESSAGE	An internal table structure is not consistent. These tables manage resource allocation for I/O transactions on the channel hardware.
	CAUSE	Channel Adapter Manager (CAM) data structure corruption.
	ACTION	Take a system dump for analysis.
183	MESSAGE	The INTERNAL REQUEST INFO BLOCK TABLE has been exhausted of free entries. The request info blocks are used to track I/O transactions on the channel hardware.
	CAUSE	Too many concurrent I/O requests were activated on the channel.
	ACTION	Increase the load field in the SYSGEN I/O configuration file for the channel to 256.
184	MESSAGE	The internal STATUS BLOCK TABLE has been exhausted of free entries. The status blocks are used in building physical quad chains to return DMA residue count information.
	CAUSE	Too many concurrent I/O requests were activated on the channel.
	ACTION	Increase the load field in the system I/O configuration file for the channel to 256.

185	MESSAGE	The internal QUAD ENTRY TABLE has been exhausted of free entries. The quad entries are used in building physical quad chains to perform DMA operations.
	CAUSE	Too many concurrent I/O requests were activated on the channel.
	ACTION	Increase the load field in the SYSGEN I/O configuration file for the channel to 256.

186	MESSAGE	The internal LOGCHANNEL TABLE has been exhausted of free entries. A unique LOGCHANNEL number is assigned to each active I/O transaction on the channel hardware.
	CAUSE	Too many concurrent I/O requests were activated on the channel.
	ACTION	Increase the load field in the SYSGEN I/O configuration file for the channel to 256.

191	MESSAGE	The interrupt completion list contained an invalid list address. When a DMA operation is completed, the channel hardware updates this list before sending a completion interrupt.
	CAUSE	Interrupt completion list has been corrupted.
	ACTION	Take a system dump for analysis.

192	MESSAGE	The partial residue completion list contained an invalid list address. This list is updated by the channel hardware to return residue count information on a DMA order completion.
	CAUSE	Residue completion list has been corrupted.
	ACTION	Take a system dump for analysis.

195	MESSAGE	The CHANNEL ADAPTER MANAGER attempted a diagnostic loopback test, but failed.
	CAUSE	Defective CIO channel adapter hardware.
	ACTION	Replace CIO channel adapter hardware.

196	MESSAGE	The CHANNEL ADAPTER MANAGER attempted a diagnostic hardware selftest, but failed.
	CAUSE	Defective CIO channel adapter hardware.
	ACTION	Replace CIO channel adapter hardware.

200	MESSAGE	The event handling procedure detected an invalid lock event option.
	CAUSE	Software error reported.
	ACTION	No action required.

206	MESSAGE	The reply to a request message could not be sent, because the descriptor field in the request message header was illegal.
	CAUSE	Software error reported.
	ACTION	No action required.

207	MESSAGE	The WAIT sequence number in the request information block for a DMA transaction is illegal. This sequence number determines the next step to start, resume, or abort a DMA transaction.
	CAUSE	Channel Adapter Manager (CAM) data structure corruption.
	ACTION	Take a system dump for analysis.

208	MESSAGE	The SELFTEST sequence number in the request information block for a SELFTEST request is illegal. This sequence number determines the next step to complete the device adapter SELFTEST sequence.
	CAUSE	Channel Adapter Manager (CAM) data structure corruption.
	ACTION	Take a system dump for analysis.

209	MESSAGE	The CONTROL FUNCTION specified in a CIO control request message is illegal. In response, an error reply message is returned to the requestor.
	CAUSE	Software error reported.
	ACTION	No action required.

211	MESSAGE	A timer event message was received specifying an illegal request number.
	CAUSE	Software error reported.
	ACTION	No action required.

213	MESSAGE	The device adapter detected a LOGCHANNEL error trap condition while processing an I/O transaction. The transaction is forced to terminate prematurely with accompanying reported status information.
	CAUSE	Hardware error reported.
	ACTION	No action required.

214	MESSAGE	An upper DMA requested a destructive operation while it had other requests pending.
	CAUSE	Software error reported.
	ACTION	No action required.

216	MESSAGE	The device adapter aborted an I/O transaction spontaneously, without a direct order to destroy the transaction.
	CAUSE	Hardware error reported.
	ACTION	No action required.

219	MESSAGE	A request message contains an illegal buffer address class field.
	CAUSE	Software error reported.
	ACTION	No action required.

220	MESSAGE	A request message specifies an illegal device adapter address.
	CAUSE	Software error reported.
	ACTION	No action required.

221	MESSAGE	The DEVICE ADAPTER is not ready to receive a command.
	CAUSE	Defective device adapter card.
	ACTION	Run diagnostics on the device adapter card.

222	MESSAGE	The DEVICE ADAPTER encountered a SUBCHANNEL ERROR TRAP while processing an I/O transaction.
	CAUSE	Defective device adapter card.
	ACTION	Run diagnostics on the device adapter card.

223	MESSAGE	The DEVICE ADAPTER is not ready to accept an RSC (resume subchannel) command. As a result, the subchannel is assumed to be in a permanently PAUSED condition.
	CAUSE	Defective device adapter card.
	ACTION	Run diagnostics on the device adapter card.

224	MESSAGE	The channel hardware has set a SUBCHANNEL in a not ready to start DMA state. This error condition is indicative of a hung device adapter card.
	CAUSE	Defective device adapter card.
	ACTION	Run diagnostics on the device adapter card.

225	MESSAGE	The virtual quad chain contains an illegal CLC (connect LOGCHANNEL) order.
	CAUSE	Software error reported.
	ACTION	No action required.

226	MESSAGE	The virtual quad chain contains an ILLEGAL DISCONNECT ORDER.
	CAUSE	Software error reported.
	ACTION	No action required.

227	MESSAGE	The virtual quad chain specified an ILLEGAL TERMINATING ORDER.
	CAUSE	Software error reported.
	ACTION	No action required.

228	MESSAGE	The virtual quad chain specified an order with the DMA continue bit set in an illegal manner.
	CAUSE	Software error reported.
	ACTION	No action required.

229	MESSAGE	The virtual quad chain specified an illegal CLC (connect LOGCHANNEL) buffer.
	CAUSE	Software error reported.
	ACTION	No action required.

230	MESSAGE	The virtual quad chain specified a buffer not aligned to a 64-byte boundary.
	CAUSE	Software error reported.
	ACTION	No action required.

231	MESSAGE	The virtual quad chain specified a DMA buffer not frozen in memory.
	CAUSE	Software error reported.
	ACTION	No action required.

232	MESSAGE	The channel hardware reported a loss of power to the CIO backplane. As a result, all DMA activity is terminated in an unknown state.
	CAUSE	Remote CIO power loss reported.
	ACTION	No action required.

233	MESSAGE	The channel hardware is not ready for a command. This error condition can never occur on a functioning channel.
	CAUSE	Defective CIO channel adapter hardware.
	ACTION	Replace CIO channel adapter hardware.

236	MESSAGE	Channel hardware configuration specifies an invalid I/O module adapter type in the IODC ROM.
	CAUSE	Incorrect SYSGEN I/O configuration file.
	ACTION	Check SYSGEN I/O configuration file.

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I/O Services

(Subsystem 213)

1400	MESSAGE	Can not deliver interrupt message.
	CAUSE	Ran out of LLIO message frames.
1401	MESSAGE	Can not obtain an I/O software semaphore.
1402	MESSAGE	Can not expand the I/O Completion Entry Pool.
	CAUSE	Used up too many completion entries.

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Low Level I/O

(Subsystem 113)

Note	Positive numbers are notes or warnings. Negative numbers are fatal errors.

1	MESSAGE	The operation was successful with retries.
	CAUSE	An I/O was attempted and was successful, but retries were required.
	ACTION	None, unless an excessive number of retries occurred. If there are an excessive number, then changing the device or the media should be looked into. Call your Hewlett-Packard Representative for assistance.

2	MESSAGE	Beginning of devices media encountered.
	CAUSE	Beginning of media encountered when an I/O operation was issued.
	ACTION	None.

3	MESSAGE	An attempt was made to lock a device or device manager which was already locked or unlock one not currently locked by this process.
	CAUSE	Same as message content.
	ACTION	None.

4	MESSAGE	Disk contains marginal (possibly unreliable) data.
	CAUSE	Same as message content.
	ACTION	Call your Hewlett-Packard Representative.

5	MESSAGE	A timeout occurred during a bind (software connect) operation.
	CAUSE	A device did not respond during configuration.
	ACTION	Check to see if device is present.

6	MESSAGE	Hardware error detected during a BIND operation.
	CAUSE	A device did not respond during configuration.
	ACTION	Check to see if device is connected.

7	MESSAGE	An end of file was detected.
	CAUSE	Same as message content.
	ACTION	None.

8	MESSAGE	The end of the media was detected.
	CAUSE	Same as message content.
	ACTION	None.

9	MESSAGE	The I/O completed successfully with some status available to be read.
	CAUSE	Same as message content.
	ACTION	None.

10	MESSAGE	The read was terminated by an alternate end of record (aeor).
	CAUSE	Same as message content.
	ACTION	None.

11	MESSAGE	Tape density requested is unknown or unsupported.
	CAUSE	Same as message content.
	ACTION	Verify that the tape density is appropriate for the device.

12	MESSAGE	A save-set mark was detected.
	CAUSE	During an I/O operation involving the HPC1501A/HPC1511A cassette tape drive, a save-set mark (a type of index mark) was detected.
	ACTION	None.

13	MESSAGE	Device adapter does not support asynchronous event notification (aen).
	CAUSE	Device or device adaptor does not support asynchronous event notification.
	ACTION	None.

14	MESSAGE	Trying to remotely load a tape device that is already loaded.
	CAUSE	Same as message.
	ACTION	None.

-75	MESSAGE	Reservation conflict.
	CAUSE	A device (or element in the device) cannot be accessed due to a reservation conflict.
	ACTION	Retry acquisition of the device later.

-74	MESSAGE	Incorrect hardware type.
	CAUSE	The device or card is not of the proper type for the configured software.''
	ACTION	Verify that the configuration and involved devices are correct.

-73	MESSAGE	Device is unavailable.
	CAUSE	When trying to do a remotely-waited FOPEN of a device, the device is not available.
	ACTION	Retry the request later or determine why the remote device is not responding.

-72	MESSAGE	File does not have a correct file code.
	CAUSE	Same as message.
	ACTION	None.

-71	MESSAGE	Cannot open file.
	CAUSE	Same as message.
	ACTION	None.

-70	MESSAGE	A tape device has reported that a *tape tension loss* condition has occurred.
	CAUSE	Same as message.
	ACTION	None.

-69	MESSAGE	Special character passed in by previous FDEVICE control call.
	CAUSE	Same as message.
	ACTION	None.

-68	MESSAGE	A device data format error has occurred after a device power failure.
	CAUSE	Same as message.
	ACTION	None.

-67	MESSAGE	I/O read has been terminated by a subsystem BREAK.
	CAUSE	Same as message.
	ACTION	None.

-66	MESSAGE	The procedure cannot back space beyond the beginning of the media.
	CAUSE	Same as message content.
	ACTION	None.

-65	MESSAGE	The procedure cannot READ past the end of the volume.
	CAUSE	Same as message content.
	ACTION	None.

-64	MESSAGE	The device does not support the requested density.
	CAUSE	Same as message content.
	ACTION	Check file equation for incorrect density.

-63	MESSAGE	The device parity error count exceeded the maximum retry count.
	CAUSE	Same as message content.
	ACTION	Call your Hewlett-Packard Representative.

-62	MESSAGE	The I/O completed successfully, and the last available device status should now be read.
	CAUSE	Same as message content.
	ACTION	None.

-61	MESSAGE	The download of the firmware failed.
	CAUSE	This could be caused by a number of problems. Most likely the device being downloaded to is not present, or a hardware failure has occurred.
	ACTION	Call your Hewlett-Packard Representative.

-60	MESSAGE	The device could not be cleared/reset.
	CAUSE	This could be caused by a number of problems. Most likely the device is not present, or a hardware failure occurred.
	ACTION	Call your Hewlett-Packard Representative.

-59	MESSAGE	An incorrect hardware identification code was returned from device.
	CAUSE	Device configured does not match device type.
	ACTION	Make sure device configured matches device type.

-58	MESSAGE	A transmission error occurred; send the data block again.
	CAUSE	Same as message content.
	ACTION	Call your Hewlett-Packard Representative to examine link connection.

-57	MESSAGE	An error has occurred.
	CAUSE	An I/O error has occurred. Device status is now available that should further explain the problem.
	ACTION	None.

-56	MESSAGE	An invalid internal software error occurred.
	CAUSE	The operating system software module had an internal problem.
	ACTION	Call your Hewlett-Packard Representatiave.

-55	MESSAGE	A BREAK error occurred.
	CAUSE	Same as message content.
	ACTION	None.

-54	MESSAGE	READ TIME was returned.
	CAUSE	Same as message content.
	ACTION	None.

-53	MESSAGE	No Control Y process ID (PIN) is present.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-52	MESSAGE	The device is off-line.
	CAUSE	Same as message content.
	ACTION	Place device online.

-51	MESSAGE	A RECEIVER OVERRUN occurred.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-50	MESSAGE	A READ TIMEOUT error occurred.
	CAUSE	Device timeout occurred.
	ACTION	Call your Hewlett-Packard Representative.

-49	MESSAGE	A DATA TRANSMISSION error occurred.
	CAUSE	Possible problem with media or link.
	ACTION	Call your Hewlett-Packard Representative.

-48	MESSAGE	A data parity error was detected.
	CAUSE	A media defect or link error occurred.
	ACTION	Retry I/O operation. If problem persists, call your Hewlett-Packard Representative.

-47	MESSAGE	An invalid request code was detected by I/O MANAGER.
	CAUSE	Operating system software error.
	ACTION	Call your Hewlett-Packard Representative.

-46	MESSAGE	The request was not started or completed due to an error condition.
	CAUSE	Same as message content.
	ACTION	Determine if device is present or online. If so, call your Hewlett-Packard Representative.

-45	MESSAGE	Suspect data was encountered during I/O operation.
	CAUSE	Same as message content.
	ACTION	Call your Hewlett-Packard Representative.

-44	MESSAGE	A generic hardware problem occurred.
	CAUSE	Error condition occurred in using a device with which additional status is not available.
	ACTION	Call your Hewlett-Packard Representative.

-43	MESSAGE	The length of requested transfer is invalid for this device.
	CAUSE	Same as message content.
	ACTION	Length of I/O is not supported by device. Change file equation to match device supported lengths.

-42	MESSAGE	The format, or order of command to a device is invalid.
	CAUSE	Operating system software error.
	ACTION	Call your Hewlett-Packard Representative.

-41	MESSAGE	A CHANNEL TIMEOUT caused failure.
	CAUSE	A device hardware or link failure was detected.
	ACTION	Call your Hewlett-Packard Representative.

-40	MESSAGE	The request failed due to a device time out.
	CAUSE	Same as message content.
	ACTION	Verify that the device is connected properly and has power. Call your Hewlett-Packard Representative.

-39	MESSAGE	A LOWER LEVEL MANAGER error occurred; status is unknown or not available.
	CAUSE	Operating system software error.
	ACTION	Call your Hewlett-Packard Representative.

-38	MESSAGE	Data was lost due to a transfer error.
	CAUSE	Some sort of data transmission error.
	ACTION	Call your Hewlett-Packard Representative.

-37	MESSAGE	An invalid device address was requested.
	CAUSE	Operating system software error.
	ACTION	Verify that the device configuration is correct. If it is, and problem persists, call your Hewlett-Packard Representative.

-36	MESSAGE	Unformatted media is being used.
	CAUSE	Same as message content.
	ACTION	Format media and try operation over.

-35	MESSAGE	A parity, CRC, or other data type error was detected.
	CAUSE	Possible hardware, media, or link failure.
	ACTION	Call your Hewlett-Packard Representative.

-34	MESSAGE	The device was physically reset or the I/O request was aborted by a reset request.
	CAUSE	Same as message content.
	ACTION	None.

-33	MESSAGE	A *device powering on* condition was detected.
	CAUSE	Same as message content.
	ACTION	Determine reason for device power failure.

-32	MESSAGE	A write operation to a read-only device was attempted.
	CAUSE	Same as message content.
	ACTION	Determine process that attempted operation. Call your Hewlett-Packard Representative for assistance.

-31	MESSAGE	Operator attention is required, for example, printer is out of paper; tape needs next reel.
	CAUSE	Same as message content.
	ACTION	Take action to correct condition. For example, put paper in the printer.

-30	MESSAGE	An unexpected end-of-file or resource occurred; for example, disk transfer hit the end of the volume or tape hit the end-of-tape mark.
	CAUSE	Same as message content.
	ACTION	Call your Hewlett-Packard Representative.

-29	MESSAGE	The device is not ready or is not responding.
	CAUSE	Same as message content.
	ACTION	Place device online.

-28	MESSAGE	The I/O MANAGER must be locked for this request and it is not.
	CAUSE	Operating system or product software error.
	ACTION	Call your Hewlett-Packard Representative.

-27	MESSAGE	The I/O MANAGER has been locked by another module.
	CAUSE	Possibly an operating system or product software error.
	ACTION	This may be a normal situation if a device diagnostic tool has obtained exclusive access to the device (e.g., tape device diagnostic tools such as REELDIAG and DIAG7978 do this). Check for this situation and if this is NOT the case, call your Hewlett-Packard Representative.

-26	MESSAGE	A memory request error occurred.
	CAUSE	Operating system software error—Memory Manager returned an error.
	ACTION	Call your Hewlett-Packard Representative.

-25	MESSAGE	The procedure was unable to obtain memory necessary to continue operation.
	CAUSE	Operating system software error—Memory Manager services of the operating system returned an error.
	ACTION	Call your Hewlett-Packard Representative.

-24	MESSAGE	An attempt to release memory failed.
	CAUSE	Operating system software error—Memory Manager services of the operating system returned an error.
	ACTION	Call your Hewlett-Packard Representative.

-23	MESSAGE	Some resource was not released.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-22	MESSAGE	The request contained incorrect higher manager port number.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-21	MESSAGE	The DO_UNBIND operation failed.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-20	MESSAGE	The port number of lower level I/O MANAGER is incorrect.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-19	MESSAGE	A DO_UNBIND request was made to a nonexistent I/O MANAGER.
	CAUSE	Operating system problem.
	ACTION	Call your Hewlett-Packard Representative.

-18	MESSAGE	The procedure cannot UNBIND because I/O is still pending.
	CAUSE	Operating system or hardware failure.
	ACTION	Call your Hewlett-Packard Representative.

-17	MESSAGE	The BIND operation did not work or an UNBIND was requested of an I/O MANAGER that was not bound.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-16	MESSAGE	The BIND request failed; manager is already bound.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-15	MESSAGE	The BIND to lower manager failed.
	CAUSE	Operating system software problem.
	ACTION	Call you Hewlett-Packard Representative.

-14	MESSAGE	Bad time on bus for this BIND or DO_BIND request.
	CAUSE	Hardware failure occurred during configuration sequence.
	ACTION	Call your Hewlett-Packard Representative.

-13	MESSAGE	Bad critical response for this BIND or DO_BIND request.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-12	MESSAGE	Bad bandwidth for this BIND or DO_BIND request.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-11	MESSAGE	A bad hardware address was detected for a BIND or DO_BIND request.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-10	MESSAGE	A bad revision code was detected for a BIND or DO_BIND request.
	CAUSE	Operating system software problem—version mismatch between modules and procedures.
	ACTION	Call your Hewlett-Packard Representative.

-9	MESSAGE	A bad meta tag was detected for a BIND or a DO_BIND request.
	CAUSE	Operating system software problem occurred during configuration of device manager components.
	ACTION	Call your Hewlett-Packard Representative.

-8	MESSAGE	A bad subsystem identifier was detected for a BIND or a DO_BIND request.
	CAUSE	Operating system problem occurred during configuration of device managers.
	ACTION	Call your Hewlett-Packard Representative.

-7	MESSAGE	An unclassified software problem occurred.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-6	MESSAGE	The state of the I/O MANAGER is in appropriate for this request.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-5	MESSAGE	The last available status was requested, but none is available yet.
	CAUSE	Possible hardware failure.
	ACTION	Call your Hewlett-Packard Representative.

-4	MESSAGE	The requested operation cannot be understood by the I/O MANAGER.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-3	MESSAGE	The requested function/operation is not implemented by this I/O MANAGER.
	CAUSE	Operating system software problem.
	ACTION	Call your Hewlett-Packard Representative.

-2	MESSAGE	A system power failure occurred. An I/O operation was aborted or not started.
	CAUSE	Same as message content.
	ACTION	Determine why system power failure occurred.

-1	MESSAGE	An I/O operation was aborted by user.
	CAUSE	Same as message content.
	ACTION	Determine why I/O was aborted.

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Measurement Interface

(Subsystem 133)

5	MESSAGE	The PID has not been created.
	CAUSE	The specific process no longer exists in the system. The process has been specified by the Measurement Interface (MI) user through the SUBCLASS_ARRAY parameter in the procedure ENABLE_MEASUREMENTS.
	ACTION	Retry with the correct process ID.

10	MESSAGE	The group PARM is greater than MAX_GROUP_IN_CLASS for requested class.
	CAUSE	The user of procedures which require a group value entered an index value for the group which is outside the range for groups within a performance class.
	ACTION	Remove faulty value and try again.

15	MESSAGE	Too many user or program names given in an ENABLE_MEASUREMENT call; ENABLE_MEASUREMENTS does continue, however.
	CAUSE	The user of the ENABLE_MEASUREMENT procedure has requested more than 10 program names and/or 10 user names.
	ACTION	Reduce the number of names to 10 (10 programs and/or 10 user names) and try again.

25	MESSAGE	The total subclasses were zero; condition not acceptable.
	CAUSE	A negative or zero value for the parameter for TOT_SUBCLASSER for ENABLE_MEASUREMENT and/or DISABLE_MEASUREMENT procedures.
	ACTION	Correct the value and retry.

35	MESSAGE	The measurement interface PID list is full.
	CAUSE	The user of ENABLE_MEASUREMENT has requested more than 2700 processes to monitor.
	ACTION	Reduce the number of processes requested and try again.

50	MESSAGE	The user buffer is not large enough to hold all requested counters.
	CAUSE	The user of GET_MEASUREMENTS has passed a buffer to receive performance data which is too small.
	ACTION	Increase buffer size and try again.

65	MESSAGE	The counter table has no more entries, so all groups requested got enabled.
	CAUSE	Major problem with the MEASUREMENT INTERFACE data structure whereby there was a problem getting enough memory to create the counter array.
	ACTION	Scale back on the number of items being measured or expand memory.

70	MESSAGE	The requested class has an index value less than zero or greater than the current total number of classes.
	CAUSE	The requested class in ENABLE_MEASUREMENTS, GET_MEASUREMENTS, and/or DISABLE_MEASUREMENTS is not within the range of 1 to 3.
	ACTION	Correct the class value and try again.

90	MESSAGE	A new subclass is requested, but the LOOKUP TABLE is full.
	CAUSE	A user has specified more LDEVs than the IO LOOKUP TABLE can accommodate in the call to ENABLE_MEASUREMENTS.
	ACTION	Be more selective on the number of I/O devices. Adjust the number of LDEVs and try again. See limits in the MPE XL Measurement Interface User's Guide.

100	MESSAGE	ENABLE of measurement subclass failed.
	CAUSE	A user has tried to enable performance measurements through the procedure ENABLE_MEASUREMENTS, but the number of MI users exceeds the limit of 25.
	ACTION	Wait until an MI user quits and retry.

110	MESSAGE	No measurement ID entry in the MI_ID TABLE.
	CAUSE	A user has called GET_MEASUREMENTS or DISABLE_MEASUREMENTS without first enabling measurements through the procedure ENABLE_MEASUREMENTS.
	ACTION	Check to be sure that you first call ENABLE_MEASUREMENTS.

130	MESSAGE	The current class has been ENABLED too many times without intervening DISABLES.
	CAUSE	Either 1) a second enable for global class, 2) more ID class enables than total number of device classes or more LDEVs than exist in given device class, or 3) a change in groups selected with new enables for new process in process class.
	ACTION	Correct misunderstanding in using ENABLE MEASUREMENTS. See the *MPE XL Measurement Interface User's Guide* for more information on using the procedure ENABLE_MEASUREMENTS.

140	MESSAGE	The number of counters do not match the known number of object classes.
	CAUSE	User called CONVERT_TO_STD_OBJCL procedure with group whose group header shows a number of counters to be not 10, 33, or 501.
	ACTION	Check to be sure group is an object class group. Modify input and try again.

150	MESSAGE	The group index does not belong to an object class group.
	CAUSE	User called CONVERT_TO_STD_OBJCL procedure with a group that is not recognized as an object class group for the particular class.
	ACTION	Check to be sure the group is an object class group. Modify input and try again.

160	MESSAGE	LDEVS in the array are not all of the same device type.
	CAUSE	User called ENABLE_MEASUREMENT with an array of LDEVs that are not of the same device class, or user called DISABLE_MEASUREMENTS with an array of LDEVs that are not of the same device class.
	ACTION	Correct LDEVs in the array to be of the same device class and retry.

170	MESSAGE	Failed to obtain lock for the MEAS_KSO_TABLE.
	CAUSE	Major problem with MEASUREMENT INTERFACE data structure or control block lock code of the operating system.
	ACTION	Call your Hewlett-Packard Representative.

180	MESSAGE	Failed to obtain lock for the PROCESS LOOKUP SUBCLS TABLE.
	CAUSE	Major problem with MEASUREMENT INTERFACE data structure, or control block lock code of the operating system.
	ACTION	Call your Hewlett-Packard Representative.

190	MESSAGE	Failed to obtain lock for the NAME POINTER LIST TABLE.
	CAUSE	Major problem with MEASUREMENT INTERFACE data structure, or TABLE MANAGEMENT control block lock code of the operating system.
	ACTION	Call your Hewlett-Packard Representative.

200	MESSAGE	Failed to obtain lock for the MI_ID TABLE.
	CAUSE	Major problem with MEASUREMENT INTERFACE data structure, or Table Management control block lock code of the operating system.
	ACTION	Call your Hewlett-Packard Representative.

210	MESSAGE	Failed to obtain lock for the USER_LIST TABLE.
	CAUSE	Major problem with MEASUREMENT INTERFACE data structure or TABLE MANAGEMENT control block lock code of the operating system.
	ACTION	Call your Hewlett-Packard Representative.

220	MESSAGE	Failed to obtain lock for `PROG_LIST TABLE`.
	CAUSE	Major problem with MEASUREMENT INTERFACE data structure or TABLE MANAGEMENT control block lock code of the operating system.
	ACTION	Call your Hewlett-Packard Representative.

Memory Manager

(Subsystem 101)

1	MESSAGE	The current process does not have access to the given object.
2	MESSAGE	No contiguous virtual space is available.
3	MESSAGE	The MEMORY MANAGER is starting to THRASH and will, therefore, not allow any further pages to be kicked out until the danger subsides.
4	MESSAGE	The MEMORY MANAGER has delayed processing requests for the current PIN, because there is more urgent activity to be done elsewhere.
5	MESSAGE	The MEMORY MANAGER was unable to obtain an I/O INFO entry from the I/O INFO TABLE.
6	MESSAGE	The MEMORY MANAGER was unable to obtain an I/O notify entry from the I/O NOTIFY TABLE.
7	MESSAGE	The MEMORY MANAGER was unable to obtain an I/O request entry from the I/O REQUEST TABLE.
8	MESSAGE	The virtual page does not exist.
9	MESSAGE	The MEMORY MANAGER cannot obtain I/O TABLE entries (out of I/O resources).
10	MESSAGE	An I/O completion message has been received from HIGH LEVEL I/O.

11	MESSAGE	A CLEAN page is not immediately available, so a page must be kicked out and made CLEAN in order to satisfy the request.
12	MESSAGE	A disk READ error from LOW LEVEL I/O was encountered when trying to access a page on the disk.
13	MESSAGE	Invalid options were used when attempting to remap a physical page to a different virtual page.
14	MESSAGE	The virtual address of the source from which data is to be copied is invalid.
15	MESSAGE	The virtual address of the target to which data is to be copied is invalid.
16	MESSAGE	The length of the data to be copied from one virtual address to another is invalid.
17	MESSAGE	Access to the alias operation (used to copy data from one point to another) is not allowed.
18	MESSAGE	The list of entries describing a PIN's locality is full and can not be extended.
19	MESSAGE	The LOCALITY ENTRY TABLE is out of entries.
76	MESSAGE	An error occurred when changing from VPS to KO.
73	MESSAGE	The disk allocation suspension counter in the TCB has gone below zero.

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MPE/iX Data Communications Buffer Manager

(Subsystem 201)

3090	MESSAGE	Illegal buffer ID passed to DCL Buffer Manager procedure BMGR_FREE_BUFFER.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

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MPE/iX Error Management

(Subsystem 187)

1	MESSAGE	A system error STACK OVERFLOW occurred.
	CAUSE	Number of error entries to PUSH into the Process Error Stack is greater than the Process Error Stack size.
	ACTION	Decrease the error entries or increase the Error Stack size.

2	MESSAGE	A system error STACK UNDERFLOW occurred.
	CAUSE	Number of error entries to POP off the Process Error Stack is greater than the Error Stack size, or the Error Stack is empty.
	ACTION	Decrease the error entries or increase the Error Stack size.

3	MESSAGE	The specified STACK ENTRY does not exist on the PROCESS ERROR STACK.
	CAUSE	The value of INDEX does not correspond to an error in the global error log, or in the Process Error Stack.
	ACTION	Check the STACK ENTRY and use the valid one.

4	MESSAGE	CREATE_OBJECT failed in creating stack.
	CAUSE	In creating stack, an attempt to call CREAT_OBJECT failed; internal error.
	ACTION	Check CREATE_OBJECT.

5	MESSAGE	RELEASE_OBJECT failed in releasing stack.
	CAUSE	In releasing stack, an attempt to call RELEASE_OBJECT failed; internal error.
	ACTION	Check RELEASE_OBJECT.

6	MESSAGE	The specified error number is a zero, which is invalid.
	CAUSE	User specifies zero as an error number which is invalid in the System Catalog file.
	ACTION	Use the valid number($> 0, < 0$).

7	MESSAGE	The specified subsystem number is not valid.
	CAUSE	User specified an invalid SUBSYS number ($<= 0$) or the SUBSYS number is not in the System Catalog.
	ACTION	Use the correct SUBSYS number.

8	MESSAGE	The specified buffer is too small to hold the text of the error message; the message has been truncated.
	CAUSE	The value of BUF_LEN is smaller than the actual message in the System Catalog being returned. The message has been truncated.
	ACTION	Increase the buffer size to hold the entire text.

9	MESSAGE	The requested depth is outside of the valid range for the PROCESS ERROR STACK.
	CAUSE	User specified the depth outside of the Process Error Stack range. It has to be in the range between 1 and 16.
	ACTION	Use the valid stack depth, which is between 1 and 16.

10	MESSAGE	An error occurred while attempting to create a KSO for use by the ERROR MANAGEMENT subsystem.
	CAUSE	An error was encountered in attempting to create the global system error log object or a KSO.
	ACTION	Check the system.

11	MESSAGE	The ERROR MANAGEMENT subsystem was unable to get a pointer to one of its KSOs.
	CAUSE	An error occured in attempting to get a pointer to the global system error log or the KSO which holds parameters.
	ACTION	Check the global system error log or KSO.

12	MESSAGE	The specified STACK ENTRY does not exist in the SYSTEM ERROR STACK.
	CAUSE	The value of DEPTH does not correspond to an error in the System Error Stack.
	ACTION	Check the value of DEPTH and System Error Stack.
15	MESSAGE	A RECOVER statement was unexpectedly invoked in the ERROR MANAGEMENT subsystem.
	CAUSE	An unexpected trap occurred which caused the RECOVER block to be invoked.
	ACTION	Check the error trap.
16	MESSAGE	An attempt was made to access process error stack by a caller running on the ICS.
	CAUSE	The caller is on ICS and, therefore, no operation was performed when attempting to access process error stack.
	ACTION	Do not access process error stack when the caller is on ICS.
17	MESSAGE	An error occurred while attempting to close the System Catalog.
	CAUSE	When trying to close the System Catalog, an error occured.
	ACTION	Check the System Catalog. You must open it before you can close it.
18	MESSAGE	The process error stack is empty.
	CAUSE	User is trying to access the process error stack and there are no errors in the stack.
	ACTION	Check the process error stack before accessing it.
19	MESSAGE	An error occurred while attempting to open the System Catalog; error messages cannot be obtained.
	CAUSE	User is trying to open the System Catalog to access the error message and it failed.
	ACTION	Check System Catalog.

23	MESSAGE	The BUFFER and BUF_LEN parameters must be supplied in order to return the text of the specified error to the caller.
	CAUSE	User specified a message to go into buffer and BUFFER and BUF_LEN parameters are not there.
	ACTION	Check the parameters and provide BUFFER and BUF_LEN parameters.

24	MESSAGE	The requested display option is invalid.
	CAUSE	User is trying to use an invalid display option to display errors.
	ACTION	Check the requested display option and use the correct one.

25	MESSAGE	There is no message set in the System Catalog which corresponds to the subsystem number in the specified status.
	CAUSE	User is trying to use the invalid subsystem set number to access the System Catalog.
	ACTION	Check the System Catalog or use the valid subsystem set number.

26	MESSAGE	There is no error number in the System Catalog which corresponds to the specified status.
	CAUSE	User is tring to use the invalid error number to access the error message from System Catalog.
	ACTION	Check the System Catalog or use the valid error number.

27	MESSAGE	The specified number of message parameters to push is invalid; valid range is from 1 to 5.
	CAUSE	The value of message parameters is not in the range. The valid range is from 1 to 5.
	ACTION	Check the value of message parameters and use the valid one.

28	MESSAGE	One of the message parameters to be pushed is not a valid string parameter.
	CAUSE	One of the string parameters specified is invalid, meaning that the delimiter in the beginning of the string was not found prior to the maximum number of characters allowed in the string.
	ACTION	Check the string parameter and correct it.

200	MESSAGE	WARNING ** The error management subsystem was unable to open the System Catalog; error messages cannot be obtained.
	CAUSE	When the user tried to access the System Catalog to obtain error messages, an error occurred.
	ACTION	Check the System Catalog or Error messages.

201	MESSAGE	WARNING ** Message set ! was not found in the System Catalog.
	CAUSE	If the user is trying to access System Catalog with an invalid subsystem number, this warning message is issued.
	ACTION	Check the System Catalog and use the valid number.

202	MESSAGE	WARNING ** Message set !, Error number ! was not found in the System Catalog.
	CAUSE	When the user is trying to access the System Catalog with invalid subsystem numbers and error number, this warning message is issued.
	ACTION	Check the subsystem and error number before accessing the System Catalog.

203	MESSAGE	WARNING ** An unexpected error was encountered while reading error messages from the System Catalog.
	CAUSE	When the user tried to query the System Catalog with subsystem numbers and message numbers, an internal error occurred.
	ACTION	Check the subsystem numbers and message numbers.

204	MESSAGE	The ERROR MANAGEMENT subsystem was unable to initialize its semaphore.
	CAUSE	When the ERROR MANAGEMENT subsystem tried to call the Control Block routine to initialize its semaphore, an internal error occurred.
	ACTION	Check the internal error and contact the Control Block routines owner.

205	MESSAGE	WARNING ** One or more entries on the error stack have been overwritten.
	CAUSE	If the user tried to dump the entire error stack and some entries were overwritten, this warning message is issued to warn the user of that fact.
	ACTION	Check the error stack.

501	MESSAGE	The menu selection is not valid; select from the menu choices only.
	CAUSE	User has entered a character string which does not match any of the options specified in the accompanying menu of choices.
	ACTION	Enter only the indicated selections.

502	MESSAGE	The specified INFO string is longer than allowed.
	CAUSE	User has entered an INFO string which is larger than the program can handle.
	ACTION	The program will handle an INFO string with the largest possible subsystem INFO string. Entries must be limited to 50 characters between the quotations.

503	MESSAGE	Only numeric digits (0 ... 9) and an optional sign indicator (+, -) are allowed.
	CAUSE	Numeric entries may contain a leading "+" or "-", but all other characters must be digits only. Blanks (other than leading or trailing blanks) are not allowed.
	ACTION	Enter a valid numeric quantity.

504	MESSAGE	The specified time code contains an invalid date and/or time.
	CAUSE	The time stamp code provided is not recognized by the system conversion procedures.
	ACTION	Check the time code and re-enter correctly.

505	MESSAGE	An internal failure of NATIVE LANGUAGE SUPPORT intrinsic occurred.
	CAUSE	Unexpected error of an unknown nature returned from NLS.
	ACTION	Notify your support engineer. An error stack dump may indicate the precise nature of the error.

506	MESSAGE	NATIVE LANGUAGE SUPPORT is not available on this system.
	CAUSE	This is an unexpected error which should have been detected at the start of the program and corrected by bypassing Native Language support.
	ACTION	Notify your support engineer.

508	MESSAGE	The subsystem was specified without a corresponding message number.
	CAUSE	The message number (second parameter) was left blank after specifying a subsystem number.
	ACTION	Either provide a message number or delete the subsystem number from the INFO string.

509	MESSAGE	A message number was specified without a corresponding subsystem number.
	CAUSE	A message number was specified but the subsystem number (first parameter) was left blank.
	ACTION	You must either specify both a subsystem number and message number or neither.

510	MESSAGE	The specified number is outside the permissible range of 1 ... 32766.
	CAUSE	The user has provided a number less than 0 or greater than one less than maxshortint. (One less than maxshortint is a message catalog limitation).
	ACTION	Restrict entries to the indicated range.

511	MESSAGE	The specified number is outside the permissible range of 1 ... 2147483647.
	CAUSE	The user has provided a number less than 0 or greater than maxint.
	ACTION	Restrict entries to the indicated range.

512	MESSAGE	The specified number is outside the permissible range of 1 ... 9223372036854775807.
	CAUSE	The user has provided a number less than 0 or greater than maxlongint.
	ACTION	Restrict entries to the indicated range.

513	MESSAGE	The specified number is larger/smaller than the largest/smallest integer which this system can handle.
	CAUSE	The user has provided a number that this system can not handle.
	ACTION	Check the number and use a correct one.
514	MESSAGE	An unexpected problem was encountered while trying to convert a string to a number.
	CAUSE	When trying to convert a string to a number, an internal error was encountered.
	ACTION	Check the string.
515	MESSAGE	Too few parameters were specified in the INFO string.
	CAUSE	Syntax error. Parameters may be nil, but their corresponding delimiters must be present.
	ACTION	Adhere to required syntax. The INFO string for this program must contain a minimum of two parameters. If you need help on syntax, type "HELP MSGUTIL".
516	MESSAGE	The name for the specified subsystem could not be obtained.
	CAUSE	The user has provided a subsystem number which is not in the System Catalog.
	ACTION	Check the System Catalog or use the right number.
534	MESSAGE	Unable to display Message #
	ACTION	Information only.
550	MESSAGE	WARNING – Time/date display capabilities could not be activated.
	CAUSE	The program could not adequately initialize range checking for time codes. Therefore, time code conversions will not be accepted. This error is unexpected and may be system dependent.
	ACTION	Other functions of the program will continue to function. Notify your support engineer.

551   MESSAGE   WARNING - Extra, unused parameters were specified in the
                       INFO string.

         CAUSE   More than three parameters have been supplied. MSGUTIL
                       ignored all past those first three.

         ACTION   Adhere to the required syntax.

Native Mode Device File

(Subsystem 231 NMDF WARN, NMDF ERR)

-1	MESSAGE	An invalid call to either Get or Set_device_information has occurred. No return parameter was provided for a requested return item.
-2	MESSAGE	An invalid call to either Get or Set_device_information has occurred. An item number was specified that is not a valid item for Get or Set_device_information.
-3	MESSAGE	A return parameter to NMDF specifies an address out of the user data area.
-4	MESSAGE	Information was requested on a native mode device file that does not exist.
-5	MESSAGE	Get or Set_device_information could not sm_open a device file.
-6	MESSAGE	Get or Set_device_information was passed an invalid device file name.
-7	MESSAGE	Get/set_device_information could not open a device file.
-8	MESSAGE	Get/set_device_information was asked for a next device or class and no next device or class exists.
-9	MESSAGE	A reference parameter to get or set_device_information specifies an address out of the user data area.

-10	MESSAGE	A non-existent device file name was passed to get or set_device_information.
-11	MESSAGE	Both device and class were specified to get/set_device_information.
-12	MESSAGE	No device or class was passsed to get/set_device_information.
-13	MESSAGE	A parameter to Get/set_device_information was out of its valid range.
-14	MESSAGE	Get or set_device_information was passed an invalid device file name.
-15	MESSAGE	Device specifier not passed to get/set_device_information.
-16	MESSAGE	No device or class was passsed to get/set_device_information.
-17	MESSAGE	An invalid kind of device specifier was passed to get/set_device_information.
-18	MESSAGE	In a call to Get/set_device_information, caller requested to set an item that cannot be set.
-19	MESSAGE	A parameter to Get/set_device_information asks for information that is incompatible with the type of device/class specified.
-20	MESSAGE	Get_device_information was asked for a next device or class and no next device or class exists.
-20	MESSAGE	Get_device_information was asked for a next device or class and no next device or class exists.

-21	MESSAGE	Get_device_information was asked for an nth device and no nth device exists.
-22	MESSAGE	Get_device_information was asked for the nth device/class but "n" was not first specified.
-23	MESSAGE	Information was requested on the nth device or class and it is larger than the number of devices or classes for the device file specified.
-24	MESSAGE	A device specifier that was not properly delimited was passed to Get/Set_device_information.
-25	MESSAGE	A request was made to NMDF_reserve_device for a device that was already reserved.
-26	MESSAGE	A request was made to NMDF_exercise_device_reservation for a device that was not reserved.
-27	MESSAGE	A request was made to NMDF_exercise_device_reservation with a ticket that was not valid.
-28	MESSAGE	A bad file name address was passed to NMDF_convert_name_to_qualiafied_ name.
-29	MESSAGE	Get or set_device_information was unabale to access the file label extension for a device file.
-30	MESSAGE	Nmdf_create_device_or_class could not HPFOPEN a new device file.
-31	MESSAGE	NMDF_create_device_or_class could not create the file label extensionfor the device file.
-32	MESSAGE	Add_device was called to add a locally connected terminal to Network Server processor.

1	MESSAGE	Nmdf_create_device_or_class was called to create a device class that already exists.
2	MESSAGE	Nmdf_create_class was called to create a class that already exists.
3	MESSAGE	Nmdf_create_device was called to create a device that already exists.

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NLIOUTIL

(NLIO WARN, NLIO ERR)

11	MESSAGE	TERMINAL n IS SHUT.
12	MESSAGE	PRINTER n IS SHUT.
21	MESSAGE	TERMINAL n IS OPENED IN LANGUAGE n.
22	MESSAGE	PRINTER n IS OPENED WITH LANGUAGE n.
31	MESSAGE	TERMINAL n IS OPENED WITH LANGUAGE n, RECCONV.
32	MESSAGE	TERMINAL n IS OPENED WITH LANGUAGE n, NORECCONV.
33	MESSAGE	PRINTER n IS OPENED WITH LANGUAGE n, RECCONV.
34	MESSAGE	PRINTER n IS OPENED WITH LANGUAGE n, NORECCONV.
35	MESSAGE	LATIN MODE, WIDTH = n, SHAPE = n.
36	MESSAGE	NONLATIN MODE, WIDTH = n, SHAPE = n.
41	MESSAGE	TERMINAL n : LANGUAGE IS SET TO n.
42	MESSAGE	PRINTER n : LANGUAGE IS SET TO n.
51	MESSAGE	TERMINAL n : RECCONV IS SET.

52	MESSAGE	TERMINAL n : NORECCONV IS SET.

61	MESSAGE	PRINTER n : RECCONV IS SET.

62	MESSAGE	PRINTER n : NORECCONV IS SET.

71	MESSAGE	PRINTER n : LATIN MODE IS SET.

72	MESSAGE	PRINTER n : NONLATIN MODE IS SET.

81	MESSAGE	PRINTER n : WIDTH IS SET TO n.

91	MESSAGE	PRINTER n : SHAPE IS SET TO n.

1200	MESSAGE	TERMINAL n IS ALREADY OPENED. (NLIO WARN 1200)

1201	MESSAGE	PRINTER n IS ALREADY OPENED. (NLIO WARN 1201)
	CAUSE	You tried to OPEN a device which was already OPENed.
	ACTION	Use the SHOW command to check the status. Check the ldev.

1202	MESSAGE	TERMINAL n IS CONTROLLED BY OTHER PROCESS. (NLIO WARN 1202)
	CAUSE	Same as message.
	ACTION	Re-try the same command.

1204	MESSAGE	TERMINAL n IS IN USE, SHUT PENDING. (NLIO WARN 1204)
	CAUSE	Same as message.
	ACTION	No action required.

1205	MESSAGE	PRINTER n IS IN USE, SHUT PENDING. (NLIO WARN 1205)
	CAUSE	Same as message.
	ACTION	No action required.

1206	MESSAGE	TERMINAL n HAS NOT BEEN OPENED YET. (NLIO WARN 1206)
	CAUSE	You tried to SHUT a device which was not OPENed. Or, a device which you SHOWed was not OPENed.
	ACTION	Check the ldev if necessary

1207	MESSAGE	PRINTER n HAS NOT BEEN OPENED YET. (NLIO WARN 1207)
	CAUSE	You tried to SHUT a device which was not OPENed. Or, a device which you SHOWed was not OPENed.
	ACTION	Check the ldev if necessary

1208	MESSAGE	NO TERMINAL/PRINTER HAS BEEN OPENED. (NLIO WARN 1208)
	CAUSE	You tried to SHUT devices, or SHOWed the status when no device had been OPENed.
	ACTION	No action is required.

1211	MESSAGE	TERMINAL n IS SHUT PENDING. (NLIO WARN 1211)
	CAUSE	Same as message.
	ACTION	No action required.

1212	MESSAGE	PRINTER n IS SHUT PENDING. (NLIO WARN 1212)
	CAUSE	Same as message.
	ACTION	No action required.

| 1300 | MESSAGE | "NLIODEF.PUB.SYS" FILE BEING ACCESSED. (NLIO WARN 1300) |
| | CAUSE ACTION | |

2100	MESSAGE	UNKNOWN COMMAND WAS ENTERED. (NLIO ERR 2100)
	CAUSE	Command name incorrect.
	ACTION	Re-enter the command. Use HELP to check the syntax.

2101	MESSAGE	TOO MANY PARAMETERS WERE ENTERED. (NLIO ERR 2101)
	CAUSE	Same as message.
	ACTION	Re-enter the command using the correct syntax. Use HELP to check the syntax.

2102	MESSAGE	INVALID DELIMITER WAS ENTERED. (NLIO ERR 2102)
	CAUSE	The second OPEN delimeter is incorrect.
	ACTION	Re-enter the command using the correct syntax. Use HELP to check the syntax.

2110	MESSAGE	LDEV CANNOT BE OMITTED FOR NON-INTERACTIVE STDIN. (NLIO ERR 2110)
	CAUSE	Same as message.
	ACTION	Re-enter the command, specifying the ldev.
	ACTION	

2111	MESSAGE	NO DEVICE IS DESIGNATED FOR SPECIFICED DEVICE. (NLIO ERR 2111)
	CAUSE	The device or device class specified does not refer to a configured device.
	ACTION	Check the system configuration and re-enter the command, specifying the correct ldev.

2113	MESSAGE	SPECIFIED LDEV n IS NOT A TERMINAL OR PRINTER. (NLIO ERR 2113)
	CAUSE	The specified ldev was other than a terminal or a printer.
	ACTION	Check the system configuration and re-enter the command, specifying the correct ldev.

2114	MESSAGE	SPECIFIED DEVICE CLASS IS NOT A TERMINAL OR PRINTER. (NLIO ERR 2114)
	CAUSE	The specified device class does not apply to terminals or printers.‘
	ACTION	Check the system configuration and re-enter the command, specifying the correct device class.

2115	MESSAGE	INVALID PARAMETER WAS ENTERED. (NLIO ERR 2115)
	CAUSE	The specified ldev was other than a terminal or a printer.
	ACTION	Check the system configuration and re-enter the command, specifying the correct ldev.

2116	MESSAGE	TMUX TERMINAL WAS SPECIFIED. (NLIO ERR 2116)
	CAUSE	
	ACTION	

2120	MESSAGE	INVALID LANGUAGE WAS ENTERED. (NLIO ERR 2120)
	CAUSE	The input language ID was not a valid one.
	ACTION	Check the language ID and re-enter the command, specifying a correct language ID.

2121	MESSAGE	UNKNOWN LANGUAGE WAS ENTERED. (NLIO ERR 2121)
	CAUSE	Unsupported language ID was entered. as the system default language.
	ACTION	Check the language ID and re-enter the command.

2122	MESSAGE	INVALID LANGUAGE IS USED. (NLIO ERR 2122)
	CAUSE	Unsupported language ID was set as the user interface language set, or as the system default language.
	ACTION	Re-enter the command, specifying the correct language ID.

2123	MESSAGE	SPECIFIED LANGUAGE IS NOT CONFIGURED ON THE SYSTEM. (NLIO ERR 2123)
	CAUSE	The specified language is not supported on the system.
	ACTION	Check and set the valid language, then re-enter the command.

2130	MESSAGE	INVALID WIDTH PARAMETER WAS ENTERED. (NLIO ERR 2130)
	ACTION	

2131	MESSAGE	INVALID WIDTH VALUE WAS ENTERED. (NLIO ERR 2131)
	ACTION	

2140	MESSAGE	INVALID SHAPE PARAMETER WAS ENTERED. (NLIO ERR 2140)
	ACTION	

2141	MESSAGE	INVALID SHAPE VALUE WAS ENTERD. (NLIO ERR 2141)
	ACTION	

2150	MESSAGE	UNKNOWN COMMAND FOR HELP. (NLIO ERR 2150)
	CAUSE	You entered a command that HELP does not recognize.
	ACTION	Check the valid command names by entering the HELP command without any parameters. Then re-enter the HELP command using the correct parameter.

2160	MESSAGE	BOTH RECCONV AND NORECCONV PARAMETER WERE ENTERED. (NLIO ERR 2160)
2161	MESSAGE	BOTH LATIN AND NONLATIN PARAMETER WERE ENTERED. (NLIO ERR 2161)
2162	MESSAGE	REDUNDANT RECCONV PARAMETER. (NLIO ERR 2162)
2163	MESSAGE	REDUNDANT NORECCONV PARAMETER. (NLIO ERR 2163)
2164	MESSAGE	REDUNDANT LATIN PARAMETER. (NLIO ERR 2164)
2165	MESSAGE	REDUNDANT NONLATIN PARAMETER. (NLIO ERR 2165)
2166	MESSAGE	REDUNDANT WIDTH PARAMETER. (NLIO ERR 2166)
2167	MESSAGE	REDUNDANT SHAPE PARAMETER. (NLIO ERR 2167)
2170	MESSAGE	LANGUAGE WAS NOT ASIAN LANGUAGE. (NLIO ERR 2170)
2171	MESSAGE	LANGUAGE WAS NOT MEA LANGUAGE. (NLIO ERR 2171)
2180	MESSAGE	TERMINAL CANNOT BE OPENED WITH MEA LANGUAGE. (NLIO ERR 2180)
2201	MESSAGE	OP CAPABILITY IS REQUIRED. (NLIO ERR 2201) OP capability is required to specify an STDIN other than your own. You currently do not have OP capability. Check the ldev, or contact your System Manager to extend your capabilities.
2300	MESSAGE	MISSING MESSAGE CATALOG FILE = NLIOCAT.PUB.SYS. (NLIO ERR 2300) The message catalog for the NLIOUTIL program is missing. Contact your System Manager to locate the message catalog.
2301	MESSAGE	MISSING "NLIODEF.PUB.SYS FILE". (NLIO ERR 2301)

Parser

(parserr)

2	MESSAGE	Too many parameters were given for this command. (parserr 02)
3	MESSAGE	Too many subparameters were given for this parameter. (parserr 03)
4	MESSAGE	This parameter must have a value. (parserr 04)
6	MESSAGE	This is not a valid option for this command. (parserr 06)
7	MESSAGE	This is not a valid keyword for this command. (parserr 07)
8	MESSAGE	This duplicate specification overrides previous specification. (parswarn 8)
9	MESSAGE	The parser output buffer has overflowed. (parserr 09)
10	MESSAGE	An integer value between -2147483648 and 2147483647 expected. (parserr 10)
11	MESSAGE	This value is not valid for this parameter. (parserr 11)
12	MESSAGE	Invalid prompt string construct in column !. (parserr 12)
13	MESSAGE	The ! and ! parameters may not be specified together. (parserr 13)

14	MESSAGE	Subparameter # ! of the ! parameter is required. (parserr 14)
15	MESSAGE	The ! parameter is required. (parserr 15)
16	MESSAGE	! and ! may not be specified together. (parserr 16)
17	MESSAGE	This option has been specified more than once. (parswarn 17)
20	MESSAGE	Semantic stack overflow. Parser internal error. (parserr 20)
21	MESSAGE	Semantic stack underflow. Parser internal error. (parserr 21)
22	MESSAGE	A command may not have more than 9 continuation lines. (parserr 22)
23	MESSAGE	A command name may not exceed 16 characters. (parserr 23)
24	MESSAGE	A command line may not exceed 280 characters. (parserr 24)
33	MESSAGE	A control character has been detected here. (parserr 33)
34	MESSAGE	This string does not have a terminator. (parserr 34)
35	MESSAGE	This character is not a valid delimiter. (parserr 35)
36	MESSAGE	Expected a ! to terminate this string. (parserr 36)
37	MESSAGE	Command contains too many parameters -- parser overflow. (parserr 37)
38	MESSAGE	The parser's output buffer has overflowed. (parserr 38)

45	MESSAGE	This not a valid suboption for this option. (parserr 45)
46	MESSAGE	Too many UDC parameters have been specified. (parserr 46)
48	MESSAGE	The forms message must be terminated by a period. (parserr 48)
49	MESSAGE	Parser internal error (cntl-y). (parserr 49)
50	MESSAGE	Encountered an unexpected error. (parserr 50)
51	MESSAGE	Encountered an unexpected end-of-line. (parserr 51)
52	MESSAGE	Encountered an unexpected left parenthesis. (parserr 52)
53	MESSAGE	Encountered an unexpected right parenthesis. (parserr 53)
54	MESSAGE	Encountered an unexpected comma. (parserr 54)
55	MESSAGE	Encountered an unexpected period. (parserr 55)
56	MESSAGE	Encountered an unexpected slash. (parserr 56)
57	MESSAGE	Encountered an unexpected semicolon. (parserr 57)
58	MESSAGE	Encountered an unexpected equals sign. (parserr 58)
59	MESSAGE	Encountered an unexpected special token. (parserr 59)
60	MESSAGE	Encountered an unexpected string. (parserr 60)
61	MESSAGE	Encountered an unexpected word. (parserr 61)

62	MESSAGE	Encountered an unexpected ci syntax token. (parserr 62)
63	MESSAGE	Encountered an unexpected data syntax token. (parserr 63)
64	MESSAGE	Encountered an unexpected group token. (parserr 64)
65	MESSAGE	Encountered an unexpected udc header token. (parserr 65)
66	MESSAGE	Encountered an unexpected js syntax token. (parserr 66)
67	MESSAGE	Encountered an unexpected logon name token. (parserr 67)
68	MESSAGE	Encountered an unexpected MPE/iX syntax token. (parserr 68)
69	MESSAGE	Encountered an unexpected special token. (parserr 69)
70	MESSAGE	Encountered an unexpected udc syntax token. (parserr 70)
71	MESSAGE	Encountered an unexpected vs name token. (parserr 71)
72	MESSAGE	Encountered an unexpected less than token. (parserr 72)
73	MESSAGE	Encountered an unexpected lt/eq token. (parserr 73)
74	MESSAGE	Encountered an unexpected not equal token. (parserr 74)
75	MESSAGE	Unknown token. (parserr 75)
76	MESSAGE	Encountered an unexpected greater than token. (parserr 76)
77	MESSAGE	Encountered an unexpected gt/eq token. (parserr 77)

78	MESSAGE	Encountered an unexpected AND token. (parserr 78)
79	MESSAGE	Encountered an unexpected NOT token. (parserr 79)
80	MESSAGE	Encountered an unexpected OR token. (parserr 80)
81	MESSAGE	Encountered an unexpected left bracket token. (parserr 81)
82	MESSAGE	Encountered an unexpected right bracket token. (parserr 82)
83	MESSAGE	Encountered an unexpected file reference token. (parserr 83)
100	MESSAGE	Expected the next parameter or an option. (parserr 100)
105	MESSAGE	Expected the next positional parameter. (parserr 105)
110	MESSAGE	Expected a keyword parameter or an option. (parserr 110)
115	MESSAGE	Expected a value for this keyword. (parserr 115)
120	MESSAGE	Expected an option. (parserr 120)
125	MESSAGE	Expected a comma or a semicolon. (parserr 125)
130	MESSAGE	Expected account name. (parserr 130)
140	MESSAGE	Expected a file reference caret character. (parserr 140)
201	MESSAGE	Value must be >= 0 and <= 65535. (parserr 201)
202	MESSAGE	Undefined variable name. (parserr 202)

203	MESSAGE	String expression is too complicated. (parserr 203)
204	MESSAGE	String and integer operands may not be mixed like this. (parserr 204)
205	MESSAGE	String values may not exceed 255 characters. (parserr 205)
206	MESSAGE	Invalid operation for strings. (parserr 206)
207	MESSAGE	Division by zero. (parserr 207)
208	MESSAGE	Integer value greater than 65535. (parserr 208)
209	MESSAGE	Integer value less than 0. (parserr 209)
221	MESSAGE	Invalid access mode. (parserr 221)
222	MESSAGE	Invalid accessor. (parserr 222)
223	MESSAGE	The ! access mode is not valid for this command. (parserr 223)
224	MESSAGE	The ! accessor is not valid for this command. (parserr 224)
225	MESSAGE	The ! access mode must be on the right side of the colon. (parserr 225)
226	MESSAGE	The ! accessor must be on the left side of the colon. (parserr 226)
250	MESSAGE	Invalid prompt string. Application internal error. (parserr 250)
251	MESSAGE	This comment must be terminated by a right brace. (parserr 251)

252	MESSAGE	Parameter is too long. (parserr 252)
253	MESSAGE	The first character must be alphabetic. (parserr 253)
254	MESSAGE	Numeric characters are not allowed. (parserr 254)
255	MESSAGE	Invalid use of wordchar. (parserr 255)
256	MESSAGE	Special characters are not allowed. (parserr 256)
257	MESSAGE	Parser internal error -- delims array out of sync (parserr 257)
258	MESSAGE	Missing left brace. (parserr 258)
259	MESSAGE	Duplicate specification of an access mode. (parserr 259)
260	MESSAGE	Duplicate specification of an accessor. (parserr 260)
261	MESSAGE	Can't have alpha characters. (parserr 261)
262	MESSAGE	This value is not valid for this parameter. (parserr 262)
265	MESSAGE	Parameter not found in prompt string. (parserr 265)
270	MESSAGE	No command name was found. (parserr 270)
275	MESSAGE	Integer parameters may not have values greater than 2147483647 (parserr 275)
280	MESSAGE	Integer parameters may not have values less than -2147483648 (parserr 280)
285	MESSAGE	Parameter number ! must be specified. (parserr 285)

| 290 | MESSAGE | "KEYWORD=" specification invalid, command has no keywords. (parserr 290) |

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Port (IPC) Facility

(Subsystem 122)

10	MESSAGE	The procedure attempted an OPEN_PORT to become the process server for the port, but another process has already made itself the process server.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

15	MESSAGE	The procedure attempted an OPEN_PORT to become the process server for the port, but the server type for the port is not a process server.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

20	MESSAGE	The procedure attempted to queue a message frame (via a SEND primitive) to a port that is already queued to a port (either this port or some other port), or on the free list of a message port.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

21	MESSAGE	An attempt has been made to release a message frame back to the message pool (via REL_MSG_FRAME), but the frame is still queued to a port (either this port or some other port).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

30	MESSAGE	The specified address, which must be a message frame, is not a valid message frame for the specified port.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

40	MESSAGE	One or more of the specified parameters are bad or inconsistent.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

50	MESSAGE	The specified index for the wait queue entry is not a valid index.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

105	MESSAGE	The specified control item (for PORT_CONTROL) is not available while executing on the ICS.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

110	MESSAGE	The procedure attempted to acquire a counting semaphore port with a global port number (must access this type of semaphore port with a local port number).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

115	MESSAGE	The specified value for a port's message threshold is not valid (must be a positive number greater than zero).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

120	MESSAGE	The specified port number for the PFP port is either that of a nonexistent port or a local port number.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

121	MESSAGE	The procedure attempted to create a resident port and associate it with a non-resident PFP port (PFP port must have same attributes as the port).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

122	MESSAGE	The specified PFP port number is a valid port number, but the port it is associated with is not a PFP's port.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

123	MESSAGE	The procedure is trying to create a PFP or associate a new port with a PFP, but is unable to send/receive the initiation message to/from the PFP.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

124	MESSAGE	The PFP class to associate the new port with is invalid.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

125	MESSAGE	The specified name for the PFP's port can not be found in the port directory.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

126	MESSAGE	An attempt to purge a PFP's port via (PURGE_PORT); must use KILL_PFP.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

127	MESSAGE	An attempt to associate a new port with a PFP that is currently terminating.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

128	MESSAGE	An error was encountered when attempting to activate a new PFP process.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

129	MESSAGE	The procedure attempted to kill one of the standard (i.e., non-class 4) PFPs.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

130	MESSAGE	An innternal error occurred - the initial message sent to a PFP so that it can perform its initialization is not of the proper message format.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

131	MESSAGE	An error was encountered when performing a name look-up for a PFP port's name.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

132	MESSAGE	The procedure attempted to purge (via PURGE_PORT) one of a process's standard ports; these ports may only be purged via a process termination.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

160	MESSAGE	The procedure attempted to perform a SEND request to a subqueue that is not enabled and also dormant.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

165	MESSAGE	The procedure attempted to create a semaphore port with emergency messages.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

170	MESSAGE	An error (from TABLE MGT) was encountered when trying to obtain a message frame from the port's message pool. Usually, the error is due to the table (pool) being empty.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

171	MESSAGE	An error (from TABLE MGT) was encountered while trying to obtain an entry from the port FREEZE DESCRIPTOR TABLE. Usually, the error is due to the table being empty. (This table is used for non-resident ports that are accessed on the ICS).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

172	MESSAGE	An error (from TABLE MGT) was encountered when obtaining an entry from either the resident or non-resident port descriptor tables. Usually, the error is due to being out of table entries.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

173	MESSAGE	An error (from TABLE MGT) was encountered when trying to obtain a table entry from a process's local port DESCRIPTOR TABLE. Usually, the error is due to the table being empty.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

174	MESSAGE	An error (from TABLE MGT) was encountered when creating a process's local port DESCRIPTOR TABLE. The table is created when the first local port number is allocated.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

175	MESSAGE	Only expect a local port number in this context.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

176	MESSAGE	An error (from TABLE MGT) was encountered when trying to obtain an entry from the STD PROCESS PORTS TABLE. Usually, the error is due to the table being empty. Entries from this table are obtained during process creation.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

180	MESSAGE	An attempt to receive a message from a port; there were no messages on any enabled subqueues, and the process did not wish to wait for a message to arrive.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

190	MESSAGE	An attempt to manipulate an EMPTY WAIT QUEUE LIST.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

191	MESSAGE	The specified WAIT ENTRY was not found in the WAIT queue.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

200	MESSAGE	Internal status was never returned to a caller.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

210	MESSAGE	An attempt to acquire exclusive access to the specified semaphore port when the process already owns the semaphore port in a shared mode.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

235	MESSAGE	The procedure attempted to CREATE or OPEN a port with a fixed global port number, but the global port descriptor for the specified port has already been allocated.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

240	MESSAGE	The specified access is not available yet.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

241	MESSAGE	The specified access is no longer supported.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

260	MESSAGE	Internal status was never returned to the caller.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

261	MESSAGE	Internal status was never returned to the caller.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

262	MESSAGE	Incompatible port access. Attempt to FREEZE/UNFREEZE a port or change either of the auxiliary data areas; the port descriptor does not have a FREEZE descriptor. Attempt to WAIT_ON_PORTS for port(s) that do not have process servers.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

270	MESSAGE	An attempt to ACCESS a port's message POOL while on the ICS when the POOL was LOCKED in a process environment (before control was transferred to the ICS).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

280	MESSAGE	The procedure attempted to access a non-resident port that was also illegal to access from the ICS. Note, that SEND requests will be delayed (and not produce this error); any other port primitive will result in this error.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.
285	MESSAGE	A process was awoken from the WAIT queue, but the reply message sent does not match that which was expected (i.e., does not match the information in the WAIT queue entry).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.
300	MESSAGE	When creating a port and specifying an initialization buffer for the server private data area, the initialization length was larger than the entire private data area.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.
342	MESSAGE	The item value specified (via PORT_CONTROL) for the item type is not valid.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.
343	MESSAGE	The item number passed to PORT_CONTROL is not valid.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

344	MESSAGE	The procedure attempted to use PORT_CONTROL to delete PROCESS_EXECUTABLE options from a port, but the port does not have ICS_EXECUTABLE options either.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.
365	MESSAGE	The info item passed to PORT_INFO/POOL_INFO is not valid.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.
373	MESSAGE	The value used for the process interrupt level (to CAUSE_PROCESS_INTERRUPT) is not valid.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.
374	MESSAGE	The interrupt level (passed to CAUSE_PROCESS_INTERRUPT) is illegal for a CM process interrupt handler.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.
375	MESSAGE	The value used for the process interrupt type (to CAUSE_PROCESS_INTERRUPT) is not defined, or illegal in this context (other process interrupt manipulation primitives).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

380	MESSAGE	The procedure specified a subqueue location that does not have a message frame queued, or specified an invalid search location to FIND_MSG.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

390	MESSAGE	The procedure specified a message frame that is not currently queued to the specified port (from RETRIEVE_MSG).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

400	MESSAGE	The procedure specified the MSG_FRAME option to a port-receive primitive, and then proceeded to not specify the MSG parameter to get the message frame address returned.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

410	MESSAGE	The procedure attempte to create a semaphore port with MSG_OPTIONS not as the empty set.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

420	MESSAGE	When creating a message pool, the number of initial messages exceeded the total (maximum) number of frames requested.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

450	MESSAGE	When creating a message pool, the number of frames to reserve disc space for (for a non-resident pool) exceeded the total (maximum) number of frames requested.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

460	MESSAGE	The procedure attempted to create a semaphore port with port options that are invalid for a semaphore port.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

480	MESSAGE	The pattern length (passed to FIND_MSG) was not valid; must be positive and non-zero.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

490	MESSAGE	The specified PIN was not a valid process number.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

500	MESSAGE	The specified address does not point to a message pool.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

535	MESSAGE	Either an illegal fixed port number was specified when creating a port, or the port number is not valid (i.e., never created or already returned), but specified for one of the other port access primitives.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

537	MESSAGE	An error was encountered when performing a port directory look-up. The port directory entry for the specified name is not valid.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

540	MESSAGE	The specified port type is invalid, or the access is inconsistent with the port's type.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

560	MESSAGE	The specified server type is invalid, or the access is inconsistent with the port's type of server.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

580	MESSAGE	Invalid or inconsistent specification in the "SERVER_DESC" parameter to CREATE_PORT.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

590	MESSAGE	An error was encountered from FINDLOCALITY. This routine is called during port creation for a port whose procedure server will execute on the ICS, but whose server code is not memory-resident.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

600	MESSAGE	Either the maximum number of possible subqueues has been exceeded, or the subqueue specified exceeds the maximum configured for the specified port.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

605	MESSAGE	The specified info. item is not available to access while on the ICS.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

610	MESSAGE	It is illegal to access a port via a local port number while on the ICS.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

620	MESSAGE	The process interrupt level being accessed in not available to the caller since it exceeds the caller's execution ring level.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

630	MESSAGE	When creating a non-resident PORT/POOL that is also ICS_SENDABLE, the message size for the pool is greater than what the port facility could handle if the message had to be delayed.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

650	MESSAGE	The specified port server's PFP priority is not within the valid range of – 0..30.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

651	MESSAGE	The specified ICS priority for an ICS_EXECUTABLE server is not within the valid range – 0..31.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

680	MESSAGE	The number of subqueues requested to configure for the new port is not valid; must be between 1 and 32.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

710	MESSAGE	The procedure specified a message frame access to a port that is illegal to use frames with (i.e., the port is not a message port).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

720	MESSAGE	A message at the specified subqueue location was not found on an enabled subqueue.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

730	MESSAGE	No message was found on the specified port that matched the specified pattern (and search conditions).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

750	MESSAGE	The message length specified for a SEND PRIMITIVE exceeds the maximum length for its message pool, or the length specified for a CAUSE_PROCESS_INTERRUPT message exceeds the maximum.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

760	MESSAGE	The message length specified to either a SEND/RECEIVE PRIMITIVE or to CAUSE_PROCESS_INTERRUPT must be a positive number of bytes.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

770	MESSAGE	The procedure attempted to send a non-zero length message, but the pointer to the message is nil.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

775	MESSAGE	The procedure requested to use a reserved message frame, but none were ever reserved.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

776	MESSAGE	The procedure requested to use a reserved message frame, but there are no reserved frames currently available (i.e., the reserved list is currently empty).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

778	MESSAGE	The mode for the specified process interrupt handler is not valid; must be either NM or CM.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

779	MESSAGE	The procedure attempted to delete pending process interrupts for the calling process, but no process interrupts of the requested type were found to delete.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

780	MESSAGE	The procedure attempted to enable a port (with a process server) to notify the server via a process interrupt, but the PLABEL for the process interrupt handler has not been defined yet.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

785	MESSAGE	An error was detected when trying to block the calling process onto the specified wait queue.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

790	MESSAGE	The procedure attempted to access a port with an invalid port number (i.e., the port for the port number was never defined, or already purged, or not within the legal range of possible port numbers).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

791	MESSAGE	The procedure attempted to convert a local port number for the specified PIN into its equivalent global port number; either the PIN is invalid, or the procedure currently does not have that local port number defined.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.
824	MESSAGE	The procedure attempted to UNFREEZE (via PORT_CONTROL) a port that was not previously frozen.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.
825	MESSAGE	The procedure attempted to CREATE a port with ICS_ACCESSIBLE option and associate it with a message pool that does not have that option.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.
826	MESSAGE	The procedure returned an internal error when deleting a delayed message for a port (via DELETE_DELAYED_MSG).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.
827	MESSAGE	The procedure returned an internal error when trying to delete a delayed message for a port (via DELETE_DELAYED_MSG).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

828	MESSAGE	An attempt to delete delayed messages for a port while on the ICS.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

830	MESSAGE	An attempt to create a port with `ICS_SENDABLE` option and associate it with a message pool that does not have that option.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

834	MESSAGE	An attempt to create a port with `ICS_ACCESSIBLE` option without `MEMORY_RESIDENT` option.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

835	MESSAGE	An attempt to create a port with `MEMORY_RESIDENT` option and associate it with a message pool that does not have the option.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

836	MESSAGE	An attempt to change a port's auxiliary data area(s) while the port is currently frozen.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

840	MESSAGE	An attempt to create a port with a name that has already been used for another port.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

841	MESSAGE	An attempt to open a named port, but the name has not been defined in the port directory (i.e., not created yet).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

850	MESSAGE	An attempt to perform a receive primitive on a port when caller is not the port's server, or an attempt to purge a port when the caller is not the port owner, or an attempt to give/release ownership when not the port owner.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

851	MESSAGE	An error was encountered from the symbol TABLE MANAGEMENT routines when accessing the port directory.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

855	MESSAGE	An attempt to open a port; the port was created with exclusive access, or the caller requested exclusive access and another process already opened it, or an attempt to add exclusive access (via PORT_CONTROL) when others have it opened.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

856	MESSAGE	An attempt to access a port, but there is a purge pending (i.e., a PURGE_PORT been requested for the specified port).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

880	MESSAGE	An attempt to release a semaphore port that the caller does not own.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

885	MESSAGE	An attempt to use a SEND primitive specifying RESERVRD_FRAME option, and the address of the send buffer is already a message frame.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

890	MESSAGE	An attempt to perform a NON-SEND port primitive to a port that is not legal to access while on the ICS (i.e., is not resident).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

900	MESSAGE	An attempt to acquire a ranked semaphore port that is lower rank than the process currently holds (i.e., acquiring ranked semaphore ports out of order).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

905	MESSAGE	An attempt to acquire a semaphore port that has been marked as unavailable (via PORT_CONTROL).
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

910	MESSAGE	An attempt to acquire a semaphore port that is owned by another process, and the caller did not wish to wait.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

915	MESSAGE	The previous owner(s) of a semaphore port terminated while still the owner. The current call to acquire the semaphore port was successful; just a warning that previous owner(s) were not tidy.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

920	MESSAGE	An attempt to access a semaphore port while on the ICS.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

950	MESSAGE	An attempt to acquire a semaphore port with shared access, but the semaphore port was not configured to allow shared access.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

960	MESSAGE	An attempt to acquire a semaphore port with shared access, but the caller used a global port number; must use a local port number to successfully acquired shared access to a semaphore port.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

990	MESSAGE	A process blocked on a port WAIT (via a receive port primitive) and requested to be notified if a process interrupt occurred before the block was satisfied. Signifies that the process interrupt occurred first; receive not satisfied.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

1000	MESSAGE	An unexplained AWAKE of the calling process from the WAIT queue has occurred.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

1010	MESSAGE	The port primitive has not completed due to the specified time out occurring first.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

1020	MESSAGE	A nil pointer was used as a pointer to a message pool.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

1030	MESSAGE	Only local port numbers are expected to be passed to this port primitive.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

1040	MESSAGE	The port number passed into a port primitive was the nil port number. The only primitive that accepts this value is SEND_MSG.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

1050	MESSAGE	The specified class for the semaphore to be initialized is not within the valid range.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

1051	MESSAGE	The type of semaphore specified for this semaphore record initialization is not within the valid range.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

1060	MESSAGE	The procedure attempted to AWAKEN a process from waiting on its standard signal port (via IPC_WAIT_PROCESS), but the process was not currently waiting on its standard signal port; the AWAKE was sent anyway.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

1061	MESSAGE	The procedure attempted to AWAKEN a process from blocking on its standard signal port, but the process was not waiting on the event(s) specified; process was blocked for a different event on the signal port; AWAKE was sent anyway.
	CAUSE	Same as message content.
	ACTION	Take a system dump and call your Hewlett-Packard Representative.

65

Private Volumes

(PVERR)

20	MESSAGE	PRIVATE VOLUMES FACILITY NOT INVOKED (PVERR 20)
21	MESSAGE	OPERATOR REJECTED MOUNT REQUEST (PVERR 21)
22	MESSAGE	INSUFFICIENT DRIVES AVAILABLE TO MOUNT VOLUME SET (PVERR 22)
23	MESSAGE	VOLUME SET TEMPORARILY IN USE BY SYSTEM (PVERR 23)
24	MESSAGE	GROUP IN VOLUME SET SPECIFICATION DOES NOT EXIST (PVERR 24)
25	MESSAGE	ACCOUNT IN VOLUME SET SPECIFICATION DOES NOT EXIST (PVERR 25)
26	MESSAGE	VOLUME SET IS NOT PHYSICALLY MOUNTED ON SYSTEM (PVERR 26)
27	MESSAGE	VOLUME SET/CLASS DEFINITION DOES NOT EXIST (PVERR 27)
28	MESSAGE	NO HOME VOLUME SET DESIGNATED FOR ! (PVERR 28)
29	MESSAGE	GROUP IN HOME VOLUME SET SPECIFICATION DOES NOT EXIST (PVERR 29)
30	MESSAGE	ACCOUNT IN HOME VOLUME SET SPECIFICATION DOES NOT EXIST (PVERR 30)

31	MESSAGE	GROUP DOES NOT EXIST ON VOLUME SET (PVERR 31)
32	MESSAGE	ACCOUNT DOES NOT EXIST ON VOLUME SET (PVERR 32)
33	MESSAGE	VOLUME SET ALREADY MOUNTED BY THIS USER (PVERR 33)
34	MESSAGE	USER DOES NOT HAVE VOLUME SET MOUNTED (PVERR 34)
35	MESSAGE	OPERATOR DISMOUNT PENDING FOR VOLUME SET (PVERR 35)
36	MESSAGE	DOWN PENDING FOR DISC CONTAINING MEMBER VOLUME (PVERR 36)
37	MESSAGE	REQUEST FOR DIFFERENT MEMBERS THAN CURRENTLY IN USE (PVERR 37)
38	MESSAGE	MUST USE HOME VOLUME SPECIFICATION IN THIS CONTEXT (PVERR 38)
39	MESSAGE	CANNOT USE HOME VOLUME SET SPECIFICATION IN THIS CONTEXT (PVERR 39)
41	MESSAGE	VOLUME SET CURRENTLY MOUNTED WITH DIFFERENT GENERATION (PVERR 41)
42	MESSAGE	MOUNT ON BEHALF OF ! ALREADY PERFORMED BY THIS USER (PVERR 42)
43	MESSAGE	MOUNT ON BEHALF OF ! NEVER PERFORMED BY THIS USER (PVERR 43)
44	MESSAGE	UNABLE TO EXECUTE COMMAND DUE TO INSUFFICIENT STACK SPACE (PVERR 44)
50	MESSAGE	MOUNTED VOLUME TABLE ERROR (SYSTEM PROBLEM) (PVERR 50)

51	MESSAGE	VOLUME SET USER TABLE ERROR (SYSTEM PROBLEM) (PVERR 51)
52	MESSAGE	DIRECTORY ERROR (SYSTEM PROBLEM) (PVERR 52)
53	MESSAGE	NAME SEGMENT (INTERNAL PROBLEM) FULL (PVERR 53)
54	MESSAGE	PV USER SEGMENT (INTERNAL PROB.) FULL (PVERR 54)
60	MESSAGE	LDEV# ! IS OUT OF RANGE (PVERR 60)
61	MESSAGE	LDEV# ! IS NOT CONFIGURED (PVERR 61)
62	MESSAGE	LDEV# ! IS NOT A DISC (PVERR 62)
63	MESSAGE	LDEV# ! IS NOT A REMOVABLE DISC (PVERR 63)
64	MESSAGE	LDEV# ! IS NOT AN ALLOWED REMOVABLE DISC-INVALID SUBTYPE (PVERR 64)
65	MESSAGE	LDEV# ! IS NOT IN THE USER DISC DOMAIN (PVERR 65)
66	MESSAGE	LDEV# ! IS NOT ON-LINE (PVERR 66)
67	MESSAGE	LDEV# ! IS A SERIAL DISC (PVERR 67)
68	MESSAGE	LDEV# ! IS RESERVED FOR USE BY SYSTEM (PVERR 68)
69	MESSAGE	LDEV# ! IS DOWN-ED (PVERR 69)
70	MESSAGE	LDEV# ! HAS DOWN PENDING (PVERR 70)
71	MESSAGE	LDEV# ! IS IN USE BY PRIVATE VOLUMES (PVERR 71)

72	MESSAGE	INAPPROPRIATE OPERATION FOR A FOREIGN DISC (PVERR 72)
73	MESSAGE	DEVICE IS WRITE PROTECTED *** (PVERR 73)
96	MESSAGE	UNREADABLE DISK LABEL ON LDEV #! (PVERR 96)
98	MESSAGE	NO ROOM IN VOLUME TABLE FOR LDEV #! (PVERR 98)
99	MESSAGE	NO ROOM IN VOLUME TABLE FOR LDEV #! (PVERR 99)
100	MESSAGE	** FUNCTION ABORTED ** (PVERR 100)
101	MESSAGE	UNRECOGNIZED FUNCTION (PVERR 101)
102	MESSAGE	INVALID TRACK DISPOSITION (PVERR 102)
103	MESSAGE	UNRECOGNIZED KEYWORD (PVERR 103)
104	MESSAGE	NO VOLUME SET CURRENTLY SPECIFIED (PVERR 104)
105	MESSAGE	LDEV# ! NOT DOWNED (PVERR 105)
106	MESSAGE	LDEV# ! NOT DOWNED OR SCRATCH (PVERR 106)
107	MESSAGE	VOLUME SPECIFIED IS NOT A MEMBER OF THE VOLUME SET (PVERR 107)
108	MESSAGE	SUBTYPE INCONSISTENCY BETWEEN DEVICES SPECIFIED (PVERR 108)
109	MESSAGE	PACK SIZE INCONSISTENCY BETWEEN DEVICES SPECIFIED (PVERR 109)
110	MESSAGE	ATTEMPTED TO COPY TO A BAD TRACK (PVERR 110)

111	MESSAGE	NO SUSPECT TRACKS FOUND (PVERR 111)
112	MESSAGE	NO ALTERNATE TRACKS AVAILABLE (PVERR 112)
113	MESSAGE	TRACK NOT REASSIGNED (PVERR 113)
114	MESSAGE	TRACK IN RESERVED AREA - MUST REFORMAT PACK (PVERR 114)
115	MESSAGE	INVALID NUMERIC VALUE FOR KEYWORD PARAMETER (PVERR 115)
116	MESSAGE	VOLUME NAME MORE THAN EIGHT CHARACTERS IN LENGTH (PVERR 116)
117	MESSAGE	VOLUME SET NAME MORE THAN EIGHT CHARACTERS IN LENGTH (PVERR 117)
118	MESSAGE	KEYWORD IS MORE THAN EIGHT CHARACTERS IN LENGTH (PVERR 118)
119	MESSAGE	VOLUME NAME HAS NON-ALPHA LEADING CHARACTER (PVERR 119)
120	MESSAGE	VOLUME SET NAME HAS NON-ALPHA LEADING CHARACTER (PVERR 120)
121	MESSAGE	KEYWORD HAS NON-ALPHA LEADING CHARACTER (PVERR 121)
122	MESSAGE	VOLUME NAME CONTAINS A SPECIAL CHARACTER (PVERR 122)
123	MESSAGE	VOLUME SET NAME CONTAINS A SPECIAL CHARACTER (PVERR 123)
124	MESSAGE	KEYWORD CONTAINS A SPECIAL CHARACTER (PVERR 124)
125	MESSAGE	NO PARAMETERS ALLOWED FOR THIS FUNCTION (PVERR 125)

126	MESSAGE	MISSING NON-OPTIONAL PARAMETER (PVERR 126)
127	MESSAGE	NON-NUMERIC CHARACTER IN LDEV SPECIFICATION (PVERR 127)
128	MESSAGE	INVALID LDEV VALUE (PVERR 128)
129	MESSAGE	TOO MANY NAMES IN VOLUME SET SPECIFICATION (PVERR 129)
130	MESSAGE	MISSING KEYWORD PARAMETER VALUE (PVERR 130)
131	MESSAGE	UNEXPECTED DELIMITER (PVERR 131)
132	MESSAGE	UNEXPECTED PARAMETER (PVERR 132)
133	MESSAGE	FORMAT SWITCH INSIDE DISC UNIT OFF (PVERR 133)
134	MESSAGE	Problem with DTT or DFSM (PVERR 134)
135	MESSAGE	ILLEGAL CYLINDER NUMBER -- TRY AGAIN (PVERR 135)
136	MESSAGE	ILLEGAL HEAD NUMBER -- TRY AGAIN (PVERR 136)
137	MESSAGE	DTT TABLE IS FULL -- ENTRY NOT ADDED (PVERR 137)
138	MESSAGE	LDEV ! IS NOT IN VOLUME TABLE -- TRY SWITCHING DISC UNIT OFFLINE, THEN ONLINE (PVERR 138)
139	MESSAGE	DISC VOLUME SPECIFIED IS NOT MOUNTED -- MAY BE PART OF A VOLUME CLASS THAT'S NOT MOUNTED (PVERR 139)
140	MESSAGE	WARNING: VOLUME ALREADY ! (PVWARN 140)
141	MESSAGE	WARNING: SUSPECT TRACK IN ALTERNATE AREA (PVWARN 141)

142	MESSAGE	WARNING: SUSPECT TRACK IN RESERVED AREA (PVWARN 142)
143	MESSAGE	WARNING: ! SUSPECT TRACKS DETECTED (PVWARN 143)
144	MESSAGE	WARNING: TRACK IS ALREADY IN DTT -- NOT ADDED (PVWARN 144)
145	MESSAGE	WARNING: THIS FUNCTION DOESN'T WORK UNLESS ENTIRE VOLUME SET IS MOUNTED (PVWARN 145)
146	MESSAGE	WARNING: RECOVER CHANGED TO COND ONLY -- MORE THAN ONE USER/OPEN TEMPORARY FILES/OPEN $OLDPASS (PVWARN 146)
147	MESSAGE	WARNING: RECOVER CHANGED TO COND ONLY -- SYSTEM VOLUME << YOU MUST UPD/COOL/COLD-START FOR SYSTEM VOLUMES >> (PVWARN 147)
148	MESSAGE	FILE ! WAS PURGED (PVWARN 148)
149	MESSAGE	THIS FUNCTION REQUIRES: 1) ONLY ONE USER 2) NO TEMP FILES 3) NO OPEN $OLDPASS (PVWARN 149)
150	MESSAGE	THE DISC LABEL (SECTOR 0) COULDN'T BE READ ON LDEV ! -- THE PACK IS PROBABLY UNFORMATTED (PVWARN 150)
151	MESSAGE	PHYSICAL TRACK ! : HEAD ! DELETED (MADE INVISIBLE) (PVWARN 151)
155	MESSAGE	Error* Could not get working space to begin RECOVER. Allocation will be disabled on LDEV !. Try again later (PVERR 155)
156	MESSAGE	Error* Fatal error while trying to RECOVER - must re-INIT (PVERR 156)
157	MESSAGE	Beginning RECOVER (PVWARN 157)

158	MESSAGE	Finished RECOVERing files, beginning CONDense (PVWARN 158)
159	MESSAGE	Error* File ! has disc space that has already been allocated to another file. Will remove the file from the Directory (PVERR 159)
160	MESSAGE	Warning* File not recovered and marked as bad in the Directory *continuing* (PVWARN 160)
161	MESSAGE	Error* I/O error on DFSM while trying to RECOVER - cannot RECOVER this disc must re-INIT (PVERR 161)
162	MESSAGE	Error* I/O error on reading/writting the disc label/DTT - could not begin to RECOVER (PVERR 162)
163	MESSAGE	Error* I/O error on reading disc label - could not begin to COND (PVERR 163)
164	MESSAGE	Error* File ! is open. Quit RECOVERing - must re-COND with RECOVER option after closing the file (PVERR 164)
165	MESSAGE	FORMAT ABORTED -- MORE THAN ! BAD TRACKS (PVERR 165)
166	MESSAGE	FUNCTION ABORTED -- ILLEGAL OR UNSUPPORTED SUBTYPE (PVERR 166)
167	MESSAGE	FUNCTION ABORTED -- SUSPECT TRACKS ON LDEV ! (AMONG OTHERS) (PVERR 167)
168	MESSAGE	Error* Deleted tracks in Disc Free Space Map/Directory - could not begin to RECOVER (PVERR 168)
169	MESSAGE	Error* I/O error encountered while trying to RECOVER this disc - must re-INIT (PVERR 169)
171	MESSAGE	DIRPURGE FAILED WITH PARM=!,PARM=! ON FILE ! (PVERR 171)

172	MESSAGE	MUSTOPEN FAILED ON FILE ! (PVERR 172)
173	MESSAGE	FLCLOSE (DELETE) FAILED ON FILE ! (PVERR 173)
174	MESSAGE	Warning* Couldn't read file label ldev ! addr ! *continuing* (PVWARN 174)
175	MESSAGE	Warning* Checksum error on file ! *continuing* (PVWARN 175)
176	MESSAGE	Warning: Vinit is being run with a Factory only entry point. This may compromise system integrity. (PVWARN 188)
177	MESSAGE	Error* Problem with Disc Free Space Map (PVERR 177)
178	MESSAGE	Warning* An extent of file ! already released. Check file (PVWARN 178)
179	MESSAGE	Warning* System logging disabled while CONDensing (PVWARN 179)
180	MESSAGE	Warning* System logging enabled by CONDense (PVWARN 180)
181	MESSAGE	Try COND RECOVER(private vol) or Recover Lost Disc Space (sys disc) (PVWARN 181)
182	MESSAGE	Error* I/O error on Disc Free Space Map (PVERR 182)
183	MESSAGE	Warning* I/O error on writting file label of file ! - will mark as bad in the Directory. *continuing* (PVWARN 183)
184	MESSAGE	Could not begin COND (PVERR 184)
185	MESSAGE	Function aborted but disc and Directory are not altered (PVERR 185)

186	MESSAGE	Warning* System logging disabled while processing defective tracks - DTRACK (PVWARN 186)
187	MESSAGE	Warning* System logging enabled by DTRACK (PVWARN 187)
190	MESSAGE	Error* Could not get working space to INIT the disc. Try again later (PVERR 190)
191	MESSAGE	Cartridge has run out of spare sectors. (PVERR 191)
192	MESSAGE	Media is uninitialized. (PVERR 192)
193	MESSAGE	Media has not been Formated. Use 'Format' command and then use 'Serial' again. (PVERR 193)
194	MESSAGE	You have done a 'Scratch;Reset' operation on a cartridge that was previously in 'Scratched' state or otherwise unrecognizable to MPE/iX. This operation may not be meaningful. (PVWARN 194)
195	MESSAGE	Cartridge Tapes do not have Defective Sector Tables. (PVWARN 195)
196	MESSAGE	Unable to read the Disc Label. The following defective sector information may not be valid. (PVWARN 196)
197	MESSAGE	Unable to read the Defective Sector Table. (PVERR 197)
198	MESSAGE	Defective Sector Table is empty. (PVERR 198)
199	MESSAGE	! Defective Sectors Found. (Sector values are in Decimal.) (PVERR 199)
201	MESSAGE	Unable to read Cartridge Tape Spare Block Table. (The Attachio call to Initiate Utility failed. PVERR 201)

202	MESSAGE	The Spare Block Table has no entries. (PVERR 202)
205	MESSAGE	WARNING: OUT OF SPARE TRACKS SECTOR ! NOT SPARED *CONTINUING* (PVWARN 205)
206	MESSAGE	IO ERROR* STATUS = ! *TERMINATED* (PVERR 206)
209	MESSAGE	Unable to read CS'80 Spare Track Table. (The Attachio call to Initiate Utility failed. (PVERR 209)
214	MESSAGE	WARNING: SUSPECT SECTOR IN DIRECTORY AREA (PVWARN 214)
215	MESSAGE	WARNING: SUSPECT SECTOR IN BIT MAP AREA TRY COND ldev;RECOVER (PVWARN 215)
216	MESSAGE	WARNING: SUSPECT SECTOR IN BIT MAP DESCRIPTOR AREA TRY COND ldev;RECOVER (PVWARN 216)
217	MESSAGE	NON-CS80 DEVICE (PVERR 217)
218	MESSAGE	IT IS NOT A SERIAL DISC (PVERR 218)
219	MESSAGE	UNABLE TO READ A GAP TABLE; TRY OPTION "ALL" (PVERR 219)
220	MESSAGE	NO DATA (PVWARN 220)
221	MESSAGE	UNABLE TO READ SECTOR ! (PVERR 221)
222	MESSAGE	SECTOR ! - END OF DATA

66

Process Manager

(Subsystem 102)

1	MESSAGE	The user lacks process handling capability.
	CAUSE	User does not have Process Handling (PH) capability.
	ACTION	Relink the program with PH capability.

2	MESSAGE	A required parameter is missing.
	CAUSE	Same as message content.
	ACTION	Supply the required parameter.

3	MESSAGE	The caller does not have access to a VAR parameter.
	CAUSE	Same as message content.
	ACTION	None.

4	MESSAGE	There are insufficient system resources to create this process.
	CAUSE	Same as message content.
	ACTION	Take a system memory dump for analysis.

5	MESSAGE	An illegal item number was passed to CREATEPROCESS.
	CAUSE	Same as message content.
	ACTION	Refer to the *MPE/iX Intrinsics Reference Manual (32650-90028)* for legal item number.

6	MESSAGE	The specified program file could not be found.
	CAUSE	Same as message content.
	ACTION	Use valid program name.

7	MESSAGE	The program name is invalid.
	CAUSE	Same as message content.
	ACTION	Use valid program name.

8	MESSAGE	An illegal entry name was passed.
	CAUSE	Same as message content.
	ACTION	Use valid entry name.

9	MESSAGE	The default stack size was used.
	CAUSE	Information only.
	ACTION	None.

15	MESSAGE	The specified stack size is insufficient.
	CAUSE	Same as message content.
	ACTION	Respecify the stack size.

16	MESSAGE	The loader failed to LOAD the program.
	CAUSE	Same as message content.
	ACTION	Debug the program.

17	MESSAGE	An illegal priority class was specified.
	CAUSE	Same as message content.
	ACTION	Refer to the *MPE/iX Intrinsics Reference Manual (32650-90028)* for legal priority class.

18	MESSAGE	The procedure failed to open STDIN.
	CAUSE	Same as message content.
	ACTION	Debug the program.

19	MESSAGE	The procedure failed to open STDLIST.
	CAUSE	Same as message content.
	ACTION	Debug the program.

20	MESSAGE	The missing ITEMNUM was passed to CREATEPROCESS.
	CAUSE	Same as message content.
	ACTION	Refer to the *MPE/iX Intrinsics Reference Manual (32650-90028)*.

21	MESSAGE	Privileged mode capability is required.
	CAUSE	Same as message content.
	ACTION	Relink the program with PM capability.

40	MESSAGE	An invalid action parameter was passed to NOTIFICATION_LIST.
	CAUSE	Same as message content.
	ACTION	Debug the program.

50	MESSAGE	There is no process which corresponds with the specified PIN parameter.
	CAUSE	Same as message content.
	ACTION	Debug the program.

60	MESSAGE	The specified process is not ALIVE.
	CAUSE	Same as message content.
	ACTION	None.

71	MESSAGE	The PROTECTID to be deleted does not exist.
	CAUSE	Same as message content.
	ACTION	None.

80	MESSAGE	There is no process which corresponds with the specified PROCESSID.
	CAUSE	Same as message content.
	ACTION	None.

100	MESSAGE	A notification handler has not been supplied.
	CAUSE	Same as message content.
	ACTION	None.

200	MESSAGE	ADOPT INTO failed to move process one to the child list of process two.
	CAUSE	Same as message content.
	ACTION	Debug the program.

210	MESSAGE	A process can not move another process to anywhere except to PROGEN.
	CAUSE	Same as message content.
	ACTION	Debug the program.

220	MESSAGE	The ADOPTOR process is not ALIVE or does not exist.
	CAUSE	Same as message content.
	ACTION	None.

300	MESSAGE	A process must be a system process to request for it to be made a detached process type.
	CAUSE	Same as message content.
	ACTION	None.

1486	MESSAGE	A trap occurred in the operating system during system boot.
	CAUSE	Same as message content.
	ACTION	Take a system dump, and attempt to re-boot the system.

1487	MESSAGE	A trap occurred during process termination.
	CAUSE	Same as message content.
	ACTION	Take a system dump.

Reply Information Table

(rit)

1	MESSAGE	INVALID LENGTH. (rit 1)
2	MESSAGE	NON-NUMERIC CHARACTER. (rit 2)
3	MESSAGE	MUST BE YES, Y, NO, OR N. (rit 3)
4	MESSAGE	MUST BE YES, Y, NO, N, OR A NUMBER. (rit 4)
5	MESSAGE	EXPECTED A NUMERIC RESPONSE. (rit 5)
6	MESSAGE	EXPECTED A NUMERIC PARAMETER. (rit 6)
7	MESSAGE	EXPECTED A YES/Y/NO/N RESPONSE. (rit 7)
8	MESSAGE	EXPECTED A YES/Y/NO/N PARAMETER. (rit 8)
9	MESSAGE	EXPECTED A YES/NO/NUM RESPONSE. (rit 9)
10	MESSAGE	EXPECTED A YES/NO/NUM PARAMETER. (rit 10)
11	MESSAGE	EXPECTED ANOTHER PARAMETER. (rit 11)
12	MESSAGE	THERE ARE NO ALLOCATED ENTRIES. (rit 12)
13	MESSAGE	INVALID ENTRY NUMBER. (rit 13)

14	MESSAGE	ENTRY IS NOT ACTIVE. (rit 14)
15	MESSAGE	REQUEST DOES NOT EXIST. (rit 15)
16	MESSAGE	INVALID RESPONSE SPECIFIED. (rit 16)
17	MESSAGE	SUBQUEUE OF PORT DOES NOT EXIST. (rit 17)
18	MESSAGE	PORT SIZE IS TOO SMALL. (rit 18)
19	MESSAGE	REQUEST HAS BEEN ABORTED BY PROCESS MANAGEMENT. (rit 19)
20	MESSAGE	INVALID RESPONSE SPECIFIED. (rit 20)
21	MESSAGE	CAN'T WAIT FOR REPLY. (rit 21)
22	MESSAGE	CAN'T LOCK THE RIT. (rit 22)
23	MESSAGE	EXTRA PARAMETER. (rit 23)
24	MESSAGE	COULDN'T FORMAT MESSAGE. (rit 24)
25	MESSAGE	TOO MANY DIGITS. (rit 25)
26	MESSAGE	REPLY IS TOO LONG. (rit 26)
27	MESSAGE	PARAMETER IS TOO LONG. (rit 27)
28	MESSAGE	ONLY NEED REPLY. (rit 28)
29	MESSAGE	CAN'T GET THE JOB/SESSION NUMBER. (rit 29)

30	MESSAGE	REQUEST HAS BEEN ABORTED BY AUTOMATIC VOLUME RECOGNITION. (rit 30)
31	MESSAGE	INVALID CHARACTER IN REPLY PARM. (rit 31)
32	MESSAGE	THIS REPLY HAS ONLY THREE PARAMETERS. (rit 32)
33	MESSAGE	THIS REPLY EXPECTS ONLY TWO PARAMETERS. (rit 33)
34	MESSAGE	REPLY HAS AT LEAST TWO PARAMETERS. (rit 34)
35	MESSAGE	EXPECTED A VALID PIN NUMBER. (rit 35)
36	MESSAGE	UNRECOGNIZED REPLY TYPE ENTERED IN RIT. (rit 36)
37	MESSAGE	SYNTAX OF RESPONSE INCORRECT. (rit 37)
38	MESSAGE	REQUESTING PROCESS UNRECOGNIZED BY RIT. (rit 38)
39	MESSAGE	INVALID PIN SPECIFIED. (rit 39)
40	MESSAGE	INVALID REPLY PARAMETER SPECIFIED. (rit 40)
41	MESSAGE	EXPECTED AN INTEGER BETWEEN ! AND !. (rit 41)
100	MESSAGE	REQUEST REQUIRING OPERATOR REPLY FOR SYS ! HAS BEEN ABORTED. (rit 100)

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Secondary Storage Management

(Subsystem 145)

1	MESSAGE	Disk space is not available.
	CAUSE	Same as message content.
	ACTION	Purge old files or install a new disk.

2	MESSAGE	Allocation was disabled on this device.
	CAUSE	Same as message content.
	ACTION	Enable allocation on this device.

3	MESSAGE	SECONDARY STORAGE MAP (page allocation) is out of sync.
	CAUSE	Same as message content.
	ACTION	Take a system memory dump for debugging purposes.

4	MESSAGE	Bad device identification was supplied by caller.
	CAUSE	Same as message content.
	ACTION	None.

5	MESSAGE	Invalid unit parameter was supplied by caller.
	CAUSE	Same as message content.
	ACTION	None.

6	MESSAGE	Invalid space limit was detected.
	CAUSE	Same as message content.
	ACTION	None.

7	MESSAGE	Invalid SECONDARY STORAGE MAP version was detected.
	CAUSE	Inconsistent version of the operating system.
	ACTION	Reinstall the operating system.

8	MESSAGE	SECONDARY STORAGE MAP is not on the page boundary.
	CAUSE	Same as message content.
	ACTION	Take a system memory dump for debugging purposes.

Serial Disk

(SDERR)

1	MESSAGE	LDEV #\ Cannot access serial disc using system buffers (SDERR 1)
2	MESSAGE	LDEV #\ ATTACHIO failure - reading/writing disc label (SDERR 2)
3	MESSAGE	LDEV #\ Fatal error - serial disc interface disabled (SDERR 3)
4	MESSAGE	LDEV #\ Invalid length in WRITE'BUFFER (internal error) (SDERR 4)
5	MESSAGE	LDEV #\ End of tape detected (SDERR 5)
6	MESSAGE	LDEV #\ ATTACHIO failure - reading DTT/DSCT (SDERR 6)
7	MESSAGE	LDEV #\ Pack overflow - probably ignored EOT (SDERR 7)
8	MESSAGE	LDEV #\ ATTACHIO failure - writing DTT/DSCT (SDERR 8)
9	MESSAGE	LDEV #\ Contig and non-contig data mixed in RECBUFF (SDERR 9)
10	MESSAGE	LDEV #\ Can't call FINDSDISCGAP unless file is open (SDERR 10)
11	MESSAGE	LDEV #\ FINDSDISCGAP - Block number must be > 0. (SDERR 11)

12	MESSAGE	LDEV #\ ATTACHIO failure - assigning alternate tracks (SDERR 12)
13	MESSAGE	LDEV #\ ATTACHIO failure - reading Gap Table (SDERR 13)
14	MESSAGE	LDEV #\ Invalid control code (SDERR 14)
15	MESSAGE	LDEV #\ ATTACHIO failure - writing Gap Table (SDERR 15)
16	MESSAGE	LDEV #\ Attempted to write on protected drive (SDERR 16)
17	MESSAGE	LDEV #\ Out of sync with Gap Table while reading (SDERR 17)
18	MESSAGE	LDEV #\ Gap Table overflow - probably ignored EOT (SDERR 18)
19	MESSAGE	LDEV #\ Too many EOFs for this disc (SDERR 19)
20	MESSAGE	LDEV #\ No spare blocks available. (SDERR 20)
21	MESSAGE	LDEV #\ Uninitialized media. (SDERR 21)
22	MESSAGE	LDEV #\ Attempted to read past end of data (SDERR 22)
23	MESSAGE	LDEV #\ Buffer pointer exceeds buffer (internal error) (SDERR 23)
24	MESSAGE	LDEV #\ Attempted a Backspace File while at Load Point. (SDERR 24)
25	MESSAGE	LDEV #\ Attempted to space backward at Load Point. (SDERR 25)
26	MESSAGE	LDEV #\ Not a serial disc (disc label or internal error) (SDERR 26)

27	MESSAGE	LDEV #\ Runaway serial disc (access beyond end of data) (SDERR 27)
28	MESSAGE	LDEV #\ Access beyond end of Gap Table (internal error) (SDERR 28)
29	MESSAGE	LDEV #\ ATTACHIO failure - writing data. (SDERR 29)
30	MESSAGE	LDEV #\ Leading/trailing lengths don't match (corrupt disc) (SDERR 30)
31	MESSAGE	LDEV #\ Tried to overfill SDISC buffer (internal error) (SDERR 31)
32	MESSAGE	LDEV #\ ATTACHIO failure - reading data (SDERR 32)
33	MESSAGE	LDEV #\ Corrupt Defective Track/Sector Table (SDERR 33)
34	MESSAGE	LDEV #\ Not enough memory for data buffers. (SDERR 34)
35	MESSAGE	LDEV #\ Device not allocated or LDTX corrupted (SDERR 35)
36	MESSAGE	LDEV #\ Extra data segment too small for this device. (SDERR 36)
37	MESSAGE	LDEV #\ Attempted to write past EOT without capability (SDERR 37)
38	MESSAGE	LDEV #\ ATTACHIO failure - loading or unloading (SDERR 38)
39	MESSAGE	LDEV #\ Request aborted externally. (SDERR 39)
40	MESSAGE	LDEV #\ "Write" capability denied by operator (SDERR 40)
41	MESSAGE	LDEV #\ System or device powerfail. (SDERR 41)

| 42 | MESSAGE | LDEV #\ ATTACHIO failure - setting IR on/off (SDERR 42) |

| 43 | MESSAGE | LDEV #\ Required GPTMOD parameter missing. (SDERR 43) |

Socket Initialization

(sockets)

700	MESSAGE	UNABLE TO CREATE SOCKET NAME REGISTRY DST. (SOCKETS 700)
701	MESSAGE	UNABLE TO CREATE GLOBAL SOCKET DST. (SOCKETS 701)
702	MESSAGE	UNABLE TO OPEN SOCKET LOGGING; NM ERROR = !. (SOCKETS 702)
703	MESSAGE	SOCKET REGISTRY: IPCCREATE RETURNED SOCKET ERROR !. (SOCKETS 703)
709	MESSAGE	UNABLE TO CREATE ADDRESS ALLOCATION DST. (SOCKETS 709)

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Special Routine For Stack Unwind

(Subsystem 103)

9	MESSAGE	**** Escape executed outside of TRY block; CODE = ! (UNWIND 9).
	CAUSE	A Pascal "ESCAPE" statement executed but no TRY/RECOVER block was active anywhere in the runtime stack.
	ACTION	Put a TRY/RECOVER block around the statement which causes the escape, or remove the "ESCAPE" statement from your code (if possible)."

10	MESSAGE	**** Non-unwindable descriptor during Escape; CODE = ! (UNWIND 10).
	CAUSE	The procedure assembled with NO_UNWIND in .callinfo statement, or there was an internal error.
	ACTION	Reassemble the procedure without NO_UNWIND, or remove the cause of stack UNWIND (Escape trap).

11	MESSAGE	**** Missing UNWIND descriptor during Escape; CODE = ! (UNWIND 11).
	CAUSE	The procedure assembled with "-U" option, or there was an internal error.
	ACTION	Reassemble the procedure without "-U" option or remove cause of stack UNWIND (Escape trap).

19	MESSAGE	**** End-of-stack during non-local GOTO (UNWIND 19).
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

20	MESSAGE	**** Non-unwindable descriptor found during non-local GOTO (UNWIND 20).
	CAUSE	The procedure assembled with NO_UNWIND in .callinfo statement, or there was an internal error.
	ACTION	Reassemble the procedure with NO_UNWIND, or remove cause of stack UNWIND (non-local GOTO trap).

21	MESSAGE	**** Missing UNWIND descriptor during non-local GOTO (UNWIND 21).
	CAUSE	The procedure assembled with '-U' option, or there was as internal error.
	ACTION	Reassemble the procedure without '-U' option, or remove cause of stack UNWIND (non-local GOTO trap).

30	MESSAGE	**** No HEAP allocated to release (UNWIND 30).
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

31	MESSAGE	**** HEAP allocation request FAILED. (UNWIND 31).
	CAUSE	This is a language construct problem. There is not enough contiguous HEAP space available, or there was an invalid HEAP request due to an unitialized variable, bad string length, etc.
	ACTION	Ensure correctness and/or efficiency of the code.

SUSPEND

(SUSPEND ERROR)

```
20        MESSAGE        INSUFFICIENT CAPABILITY  (SUSPEND ERROR 20)
```

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Switch

(Subsystem 100)

20	MESSAGE	Switch to CM was attempted with an illegal method.
	CAUSE	Bad value in method parameter.
	ACTION	Use one of the legal methods.

30	MESSAGE	Not enough room in CM stack to complete switch to CM.
	CAUSE	Too much room required to move parameter to the CM stack.
	ACTION	Change the program so there is more room left on CM stack before switching.

40	MESSAGE	Illegal number of parameters were encountered.
	CAUSE	The parameter specifying the number of parameters to pass to CM was not within the legal values.
	ACTION	Specify a legal value.

50	MESSAGE	Illegal parameter length was encountered.
	CAUSE	Negative or zero length parameter specified.
	ACTION	Change parameter length.

60	MESSAGE	Illegal privileged operation.
	CAUSE	A switch was made to CM in METHOD_SPLIT by a user mode program.
	ACTION	Link the program with privilege mode.

80	MESSAGE	Procedure specification is illegal.
	CAUSE	Switch to CM is not by ID, NAME or PLABEL.
	ACTION	Fix the PROC parameter.

90	MESSAGE	Switch to CM was attempted with an illegal ID number.
	CAUSE	The ID number is out of range.
	ACTION	Correct the ID number in the program.

110	MESSAGE	The SWITCH to CM PLABEL HASH TABLE is full.
	CAUSE	Table to cache names of dynamically loaded CM procedures is full.
	ACTION	Do not dynamically load so many procedures.

120	MESSAGE	The CM procedure is not in the CM procedure/PLABEL HASH TABLE.
	CAUSE	The table does not exist or the CM procedure has not been loaded.
	ACTION	Check the table name or load the CM procedure.

130	MESSAGE	Invalid status parameter.
	CAUSE	Either the LOAD_CM_PROCEDURE or the UNLOAD_CM_PROCEDURE failed.
	ACTION	Check procedure name or library search parameters.

150	MESSAGE	Illegal PROC address in SWITCH to CM.
	CAUSE	User does not have the capability to access the area containing the PROC record (in HPSWITCH TO CM).
	ACTION	Put the PROC in an accessible area.

152	MESSAGE	Illegal parameter record address.
	CAUSE	User does not have the capability to access the area containing the PARMS record (in HPSWITCH TO CM).
	ACTION	Put the parameter in an accessible area.

154	MESSAGE	Illegal parameter address.
	CAUSE	User does not have the capability to access a parameter specified in the PARMS record (in HPSWITCH TO CM).
	ACTION	Put the parameter in an accessible area.

156	MESSAGE	Illegal PD_PARM_TYPE.
	CAUSE	An illegal PD_PARM_TYPE was specified in a PARMS record entry (in HPSWITCH TO CM).
	ACTION	Use a legal type.

158	MESSAGE	Illegal I/O specification.
	CAUSE	A reference parameter is not input or output in a reference parameter in a PARMS record entry (in HPSWITCH TO CM).
	ACTION	Specify input, output or both.

160	MESSAGE	Illegal function return length.
	CAUSE	The function length parameter was negative or greater than the CM stack (64 Kbytes).
	ACTION	Specify a legal length.

162	MESSAGE	Illegal function return address.
	CAUSE	The user does not have the right to access the area specified by the function address and function length.
	ACTION	Specify an accessible area for the function.

164	MESSAGE	Illegal function return specification.
	CAUSE	The function length was > 0 and nil return or address of length = 0 and NON_NIL return address.
	ACTION	Specify a legal function length and address.

166	MESSAGE	Illegal condition code address.
	CAUSE	The user does not have the right to access the address specified for the return of the condition code.
	ACTION	Specify an accessible address for the condition code.

168	MESSAGE	Illegal status address.
	CAUSE	The user does not have the right to access the area used for the return of the status.
	ACTION	Specify a legal address.

200	MESSAGE	The SWITCH to NM was attempted with an illegal function type.
	CAUSE	The parameter specifying the function type to be returned was not one of the legal types.
	ACTION	Use a legal function type.
210	MESSAGE	An illegal PARM type was encountered while switching to NM.
	CAUSE	An argument descriptor contained a type that was not legal.
	ACTION	Use a legal type.
250	MESSAGE	An illegal number of arguments was passed to SWITCH to NM.
	CAUSE	The parameter specifying the number of arguments was not within the legal range.
	ACTION	Use a legal number of arguments.
270	MESSAGE	The SWITCH to NM method is illegal.
	CAUSE	Switch to NM is not by ID, NAME or PLABEL.
	ACTION	Use a legal method.
290	MESSAGE	A FINDPROC error occurred while switching to NM.
	CAUSE	FINDPROC failed to load the procedure requested.
	ACTION	Make sure the loader can find your procedure to load.
300	MESSAGE	The byte reference parameter is not 16-bit aligned.
	CAUSE	SWITCH to CM with METHOD_NOCOPY and a byte reference parameter that is not 16-bit aligned.
	ACTION	Recode program to align the parameter or use METHOD_SPLIT to SWITCH to CM.
330	MESSAGE	Unable to swap parameters in NO_COPY method.
	CAUSE	Parameters could not be enclosed within a DST because the parameters are too far apart.
	ACTION	Move parameters closer together.

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Symbolic Debugger

(UE, DB)

This chapter lists messages that you may encounter while using HP Symbolic Debugger. Self-explanatory messages and those which relate to syntax errors, such as missing or extraneous characters in commands, are not listed in this chapter.

To assist you in finding the solution to a problem, several messages may be displayed. Look up each message in this chapter to get complete information about the action to take.

Messages are preceded by unique reference numbers that indicate the error type. Messages, with their message reference numbers, are listed in this order:

UE300-UE436   User Errors

DB1-DB8   Debugger Errors

Internal error messages, which are in the range of 501 to 579, should not occur with normal debugger use. If they do occur, report them to your HP support representative.

Child process (program) errors result in signals which are communicated to the debugger. If a program error occurs while executing a procedure call from the command line, it is handled like any other error (in other words, you can investigate the called procedure). To recover from this, or to abort a procedure call from the command line, press [CNTL]Y.

The following example message has a reference number of UE312 and is listed below as it appears in this chapter:

    UE312   MESSAGE   INVALID BREAKPOINT TYPE "TEXT"

A list of abbreviations that are used throughout this chapter and their meanings follow. Note that in all explanations, commands are given in long form, but the short form may also be used. Refer to *HP Symbolic Debugger User's Reference Manual* (31508-90003) for further details.

ABBREVIATION	DEFINITION
CMD	A debugger command.
FILE	The name of a file.
NAME	The name of a data object.
NUM	A number.
PROC	A user program or procedure name.
TEXT	A text string; arbitrary user input.
UE*nnn*	User-created error.
DB*nnn*	A debugger error.

User Errors (UE300 - UE416)

User errors result from entering incorrect commands or from using the commands incorrectly. User errors cause the command that you entered to fail. You must correct the cause of the error and re-enter the command.

UE300	MESSAGE	ATTEMPT TO READ ON NON-WORD BOUNDARY
	CAUSE	The debugger cannot read on a non-word aligned address.
	ACTION	Do not try to read at a non-word boundary. An incorrect reference to a data item has probably been made. Note: Memory accesses are done word-at-a-time, regardless of how data is formatted in memory.

UE301	MESSAGE	ATTEMPT TO WRITE TO ODD ADDRESS
	CAUSE	An attempt to write a value on a non-word or half-word boundary was made.
	ACTION	Do not try to write to an odd address. Note: Memory accesses are done word-at-a-time, regardless of how data is formatted in memory.

UE302	MESSAGE	ADDRESS NOT FOUND
	CAUSE	The address is part of a command and is invalid. It is probably out of range.
	ACTION	Check the validity of the address and re-enter the command.

UE303	MESSAGE	CANNOT READ THAT LOCATION
	CAUSE	Access to the child process failed, possibly caused by an invalid address.
	ACTION	Check the validity of the address and re-enter the command.

UE304	MESSAGE	NO CHILD PROCESS
	CAUSE	The debugger attempted an operation that required a child process that does not exist (was not running).
	ACTION	To start a child process, use any of the *run* or *step* commands.

UE306	MESSAGE	ATTEMPT TO WRITE TO NON-WORD BOUNDARY.
	CAUSE	The debugger cannot write to a non-word aligned address.
	ACTION	Do not try to write to a non-word boundary. An incorrect reference to a data item has probably been made. Note: Memory accesses are done word-at-a-time, regardless of how data is formatted in memory.

UE307	MESSAGE	CANNOT WRITE THAT LOCATION
	CAUSE	Access to a child process failed; this may have been caused by an invalid address.
	ACTION	Check the validity of the address and re-enter the command.

UE308	MESSAGE	BAD ACCESS TO CHILD PROCESS
	CAUSE	Failed to read data from or write data to a child process. This may have been caused by an invalid address (for example, dereferencing an invalid pointer), or by an attempt to place a breakpoint in an unwritable child process code space.
	ACTION	Check the validity of the data and re-enter the command.

UE309	MESSAGE	CAN'T SET BREAKPOINT (INVALID ADDRESS)
	CAUSE	The address of the specified *breakpoint* command was invalid or unknown.
	ACTION	Re-enter the *breakpoint* command with a correct address.

UE310	MESSAGE	STACK ISN'T THAT DEEP
	CAUSE	The debugger tried to set a breakpoint or view a procedure at an invalid depth. The child process stack was not that deep.
	ACTION	Use the trace command to list the child process stack.

UE311	MESSAGE	NO SYMBOLS FOR THAT PROCEDURE
	CAUSE	The debugger tried to set a breakpoint using a stack depth, when the procedure at that stack depth was non-debuggable.
	ACTION	Try setting a breakpoint-address using the name of the procedure; for example, `ba xxx`.

UE312	MESSAGE	INVALID BREAKPOINT TYPE "TEXT"
	CAUSE	TEXT was an invalid breakpoint type.
	ACTION	Refer to the "Breakpoint Commands" section in the *HP Symbolic Debugger User's Reference Manual* (31508-90003) to see valid *breakpoint* commands.

UE314	MESSAGE	INVALID LINE NUMBER ON "CMD" COMMAND
	CAUSE	The quantity given for a line number on a *breakpoint*, *view*, or *continue* command, was an invalid numeric expression.
	ACTION	Re-enter the command with a valid expression.

UE315	MESSAGE	NO SUCH PROCEDURE OR FILE NAME "TEXT"
	CAUSE	An attempt was made to set a breakpoint, or continue to a procedure or file TEXT that did not exist, or was non-debuggable.
	ACTION	Use the *lp* (*list procedures*) command to list all known debuggable procedures and use the *lf* (*list files*) command to list all known source files.

UE316	MESSAGE	PROCEDURE "PROC" NOT FOUND WHERE SPECIFIED
	CAUSE	The nesting of procedure PROC was not properly specified.
	ACTION	Use the trace command to list the stack.

UE317	MESSAGE	LABEL "TEXT" NOT FOUND WHERE SPECIFIED
	CAUSE	The *proc #label* was entered incorrectly and that *label* is not found in the named procedure.
	ACTION	Re-enter the command, giving a valid *proc #label* combination.

UE318	MESSAGE	NO COUNT GIVEN FOR "CMD" COMMAND
	CAUSE	The user failed to specify a breakpoint count (after the \) for a *breakpoint* command. Or, an attempt was made to use the *breakpoint count* command on an existing breakpoint.
	ACTION	Refer to the "Breakpoint Commands" section in the *HP Symbolic Debugger User's Reference Manual* (31508-90003) to see the correct syntax for *breakpoint* commands.

UE319	MESSAGE	COUNT MUST BE POSITIVE OR NEGATIVE
	CAUSE	A count of zero was given for a *breakpoint* or *breakpoint count* command.
	ACTION	Re-enter the command with a non-zero count.

UE320	MESSAGE	MUST SPECIFY A MACRO NAME
	CAUSE	The *def* command was entered without arguments.
	ACTION	Refer to the "Macro Facility Commands" section in the *HP Symbolic Debugger User's Reference Manual* (31508-90003) to see the correct syntax for the *def* command.

UE321	MESSAGE	"NAME" IS NOT A VALID MACRO NAME
	CAUSE	The debugger tried to define a macro via the *def* command where the NAME specified was not a string of alphanumeric characters beginning with a letter.
	ACTION	Re-enter the *def* command using a string of characters beginning with a letter for the macro *name*.

UE322	MESSAGE	MUST SPECIFY WHICH MACRO TO DELETE
	CAUSE	The *undef* command was entered to delete or undefine a macro without giving the name of the macro to delete.
	ACTION	Use the *lm* (*list macros*) command to list all defined macros.

UE323	MESSAGE	UNKNOWN NAME OR COMMAND "NAME"
	CAUSE	An unrecognized string (NAME) was encountered as a debugger command.
	ACTION	Refer to the *HP Symbolic Debugger/XL Quick Reference Guide* (31508-90005) to see tables of valid debugger commands.

UE324	MESSAGE	UNKNOWN COMMAND "CMD" (NUM)
	CAUSE	The command *CMD* (internal value *NUM*) is not supported. The message `"Unknown name or command"` is usually displayed.
	ACTION	Refer to the *HP Symbolic Debugger/XL Quick Reference Guide* (31508-90005) to see tables of valid debugger commands.

UE326	MESSAGE	EMPTY ASSERTION NOT ADDED
	CAUSE	The assertion command was given without an associated command list.
	ACTION	Re-enter the command and include a command-list within braces ({ }).

UE328	MESSAGE	NO BREAKPOINT SET AT CURRENT LOCATION
	CAUSE	An attempt was made to activate, delete, or suspend a breakpoint where no breakpoint was defined.
	ACTION	Use the *lb* (*list breakpoints*) command to see where breakpoints are set.

UE329	MESSAGE	ADDRESS IS REQUIRED AFTER "CMD"
	CAUSE	The *ba* (*breakpoint address*) command must be followed by a code address.
	ACTION	Use a valid code address (symbolic or numeric) with the command.

UE330	MESSAGE	INVALID DEPTH GIVEN FOR "CMD" COMMAND
	CAUSE	An attempt was made to specify a depth that is not a number greater than or equal to 0.
	ACTION	Re-enter the appropriate command with a valid depth.

UE331	MESSAGE	DEPTH MUST BE AN INTEGER
	CAUSE	An attempt was made to specify a stack depth that is not a number.
	ACTION	Re-enter the command and specify an integer depth.

UE332	MESSAGE	"CMD" NOT ALLOWED WHILE RUNNING ASSERTIONS
	CAUSE	These commands cannot be executed while assertions are active: *c* (*continue*), *C* (*Continue*), *r* (*run*), *R* (*Run*), *s* (*step*), *S* (*Step*), or *k* (*kill*). If one of these commands appears in an assertion command list, it must follow an *x* (*exit*) command with a non-zero modifier.
	ACTION	Exit assertion mode to execute the command or delay using the command.

UE333	MESSAGE	"da," "db," OR "dp" IS REQUIRED
	CAUSE	The *d* (*delete*) command has only three valid variations. This *d* (*delete*) command was followed by something other than an *assertion*, *breakpoint*, or *procedure* command.
	ACTION	Refer to the *HP Symbolic Debugger User's Reference Manual* (31508-90003) to see valid *delete* commands.

UE334	MESSAGE	MUST SPECIFY WHICH ASSERTION TO SUSPEND MUST SPECIFY WHICH ASSERTION TO DELETE
	CAUSE	The number of the assertion to suspend or delete was not specified.
	ACTION	Use the *la* (list assertions) command to find the number of the assertion to suspend or delete.

UE335	MESSAGE	"Directory" COMMAND NEEDS A DIRECTORY NAME (IN QUOTES)
	CAUSE	The *D* (*Directory*) command was invoked without specifying a directory name surrounded by double quotation marks (").
	ACTION	Re-enter the *D* (*Directory*) command and enclose a valid directory name in quotation marks (").

UE336	MESSAGE	INVALID EXPRESSION FOR DEPTH ON "CMD" COMMAND
	CAUSE	The *CMD* command was given with an expression for a depth that the debugger cannot evaluate.
	ACTION	Use the *t* (*trace*) command to view the stack for the proper procedure and depth.

UE337	MESSAGE	"format" COMMAND NEEDS A STRING ARGUMENT
	CAUSE	The *f* (*format*) command was followed by something other than null or a string in quotation marks.
	ACTION	Refer to the "Miscellaneous Commands" section in the *HP Symbolic Debugger User's Reference Manual* (31508-90003) for more information about the *f* (*format*) command.

UE338	MESSAGE	"goto" MUST BE FOLLOWED BY A LINE NUMBER
	CAUSE	A *g* (*goto*) command was given without a numeric argument or valid label.
	ACTION	Refer to the "Miscellaneous Commands" section in the *HP Symbolic Debugger User's Reference Manual* (31508-90003) for more information about the *g* (*goto*) command.

UE339	MESSAGE	MISSING "{"
	CAUSE	The *i* (*if*) command did not have a brace ({) following the conditional expression. Or, the expression might have been entered incorrectly.
	ACTION	Re-enter the expression, enclosing the command-lists in braces.

UE341	MESSAGE	MAP IS NOT SUPPORTED
	CAUSE	Your version of the debugger does not support the *M* (*Map*) command, because core files are unsupported.
	ACTION	Do not enter the *M* (*Map*) command.

UE343	MESSAGE	INVALID EXPRESSION GIVEN FOR "CMD" COMMAND
	CAUSE	A non-numeric expression was entered as part of the *s* (*step*), *S* (*Step*), *t* (*trace*), *T* (*Trace*), and *sa* (*suspend assertion*) commands.
	ACTION	Re-enter the command with a correct numeric expression.

UE344	MESSAGE	"t" MUST BE FOLLOWED BY "a", "b", "c", "m", or "r", OR EXPRESSION
	CAUSE	As part of the *t* (*toggle*) command, the *t* (*toggle*) was not followed by one of these commands: *a* (*assertion*), *b* (*breakpoint*), *c* (*case*), *m* (*macros*), or *r* (*recording*).
	ACTION	Refer to the individual command listings in the *HP Symbolic Debugger User's Reference Manual* (31508-90003) to see valid *toggle* commands.

UE345	MESSAGE	INVALID WINDOW SIZE
	CAUSE	The numeric expression given for the new window size on the window command was not a valid numeric expression or was outside the range of 1 to 21.
	ACTION	Re-enter the command with a valid numeric expression within the range of 1 to 21.

UE346	MESSAGE	"exit" IS ONLY ALLOWED WHILE RUNNING ASSERTIONS
	CAUSE	The debugger tried to exit the assertions mode while assertions were not active.
	ACTION	Refer to the *x* (*exit*) command listing in the *HP Symbolic Debugger User's Reference Manual* (31508-90003).

UE348	MESSAGE	NO PLAYBACK NAME SPECIFIED
	CAUSE	The < or << command was given without a file name argument.
	ACTION	Re-enter the command with the playback file name.

UE349	MESSAGE	CAN'T OPEN "FILE" AS PLAYBACK FILE
	CAUSE	The system failed to open the specified playback file.
	ACTION	Check the file path and permissions.

UE350	MESSAGE	CAN'T OPEN "FILE" AS RECORD FILE
	CAUSE	The system failed to open the specified record file.
	ACTION	Check the file path and permissions.

UE351	MESSAGE	OPERATOR STACK OVERFLOW
	CAUSE	The expression was too complicated for the expression handler to parse. A combination of more than 15 nested parentheses and/or pending operators may be the cause.
	ACTION	Re-enter the expression, using less than 15 nested parentheses.

UE352	MESSAGE	OPERATOR STACK UNDERFLOW
	CAUSE	The expression handler failed. This may have been caused by a corrupt environment or a parsing problem.
	ACTION	Re-enter the expression in an alternate form, if possible.

UE353	MESSAGE	DATA TOO BIG TO PUT IN THE CHILD PROCESS
	CAUSE	A string constant or other data was larger than the total size of the buffer in *xdbend.lib.sys*
	ACTION	Re-enter a smaller string constant or data item, if applicable.

UE354	MESSAGE	CAN'T STORE INTO A CONSTANT
	CAUSE	The left side of an assignment statement was found to be a constant; it cannot be modified.
	ACTION	Use the \t display format for information on the assigned variable.

UE355	MESSAGE	CAN'T SET ANY REGISTERS
	CAUSE	Setting registers incorrectly is inherently dangerous and can lead to complete lockup of the operating system.
	ACTION	Only use the *g* (*goto*) command to make limited, safe changes to the program counter ($pc). Avoid changing register values directly.

UE356	MESSAGE	STRING TOO LONG FOR ASSIGNMENT
	CAUSE	An attempt was made to assign a string over 1024 bytes to an HP FORTRAN 77 CHAR*, HP Pascal string, or HP Pascal packed array of char.
	ACTION	Use the *t* display format for type information of the string assigning to, and re-enter the command with an appropriately sized string.

UE357	MESSAGE	INCOMPATIBLE OPERANDS FOR STRING ASSIGNMENT
	CAUSE	An attempt was made to assign to an HP FORTRAN 77 CHAR*, HP Pascal string, or HP Pascal packed array of char, something other than an HP FORTRAN 77 CHAR*, HP Pascal string, HP Pascal packed array of char, a string constant, or a character constant.
	ACTION	Re-enter the command with a proper assignment.

UE358	MESSAGE	CAN'T DEREFERENCE A CONSTANT
	CAUSE	An attempt was made to dereference a constant.
	ACTION	Use the *t* format to find the type of the object to be displayed.

UE359	MESSAGE	CAN'T TAKE THE ADDRESS OF A CONSTANT
		CAN'T TAKE THE ADDRESS OF A REGISTER
	CAUSE	Operand of &, *$addr*, or *addr* operator is marked as a constant or register type.
	ACTION	Use the *t* display format to find the type of the object being displayed.

UE360	MESSAGE	POSTFIX "++" NOT SUPPORTED
		POSTFIX "--" NOT SUPPORTED
		PREFIX "++" NOT SUPPORTED
		PREFIX "--" NOT SUPPORTED
	CAUSE	An attempt was made to use an unsupported operator. For example, ++n, --n, n++, n--.
	ACTION	Make sure a space is used between a + or - operator and a unary sign (for example 2- -5). +=1 or -=1 can be used to increment or decrement, respectively.

UE361	MESSAGE	INVALID COMBINATION OF OPERATOR AND OPERANDS
	CAUSE	The debugger tried to perform a numeric operation on one or more non-numeric operands.
	ACTION	Re-enter the command with a valid expression.

UE362	MESSAGE	UNKNOWN OPERATOR (NUM)
	CAUSE	An unsupported operator, with internal value NUM, was pushed on the operator stack.
	ACTION	Re-enter the command using an operator known to the current language or reset $*lang* to the language in which the operator is valid.

UE363	MESSAGE	MISFORMED EXPRESSION
	CAUSE	An expression was entered incorrectly. The debugger attempts to show you where the error was detected in the command line. The error token might be one token beyond the actual error.
	ACTION	Re-enter the expression using operators and operands known to the current language or reset $lang to the language in which the operator or operand is valid.

UE364	MESSAGE	TWO OPERATORS IN A ROW
	CAUSE	The expression handler detected an improper construct in an expression.
	ACTION	Re-enter the command with a valid expression.

UE365	MESSAGE	FORTRAN VARIABLE NOT PURE ARRAY
	CAUSE	An attempt was made to dereference an array that had pointer or function qualifiers, while the current language was set to FORTRAN, which does not support them.
	ACTION	Try again with $lang set to a different language.

UE366	MESSAGE	INVALID REAL NUMBER
	CAUSE	The specified numeric expression was not a real number.
	ACTION	See the appropriate language reference manual, or Table 4-3 in this manual, for the format of real numbers.

UE367	MESSAGE	MISFORMED GLOBAL NAME
	CAUSE	Colon (:) must be followed by a variable name (string).
	ACTION	Refer to the "Entering Variable Names" section in the *HP Symbolic Debugger User's Reference Manual* (31508-90003) to see how to specify global variables.

UE368	MESSAGE	UNKNOWN GLOBAL
	CAUSE	The variable specified with :*var* was not a recognized global variable name.
	ACTION	Use the *lg* (*list globals*) command to list all known global variables.

UE369	MESSAGE	NEED A ":" AFTER THE NUMBER
	CAUSE	*Proc:depth:var* was entered incompletely (*:var* was missing).
	ACTION	Refer to the *l* (*list*) command listing in the *HP Symbolic Debugger User's Reference Manual* (31508-90003) to see a list of variables.

UE370	MESSAGE	INVALID LOCAL NAME
	CAUSE	*Proc[:depth]:var* was entered incorrectly. *Var* must be a valid variable name in the specified procedure, at the specified depth.

UE371	MESSAGE	UNKNOWN LOCAL
	CAUSE	The variable specified with *proc[:depth]:var* was not a recognized local variable of *proc*.
	ACTION	Use the *l* (*list*) command to list all known local variables of the current *proc*, or use the *T (Trace)* command to list the locals, variables, and procedures on the stack.

UE372	MESSAGE	PROCEDURE "PROC" NOT FOUND AT STACK DEPTH NUM
	CAUSE	In *proc:depth*, the procedure *PROC* was not on the child process stack at depth *NUM*. Either the stack was not that deep, or the procedure at that depth was not *PROC*.
	ACTION	Use the *t* (*trace*) command to list the stack.

UE373	MESSAGE	UNKNOWN LANGUAGE
	CAUSE	An attempt was made to modify the current language by assigning an invalid language designator to the special variable $lang. The valid language designators are *COBOL*, *Pascal*, *FORTRAN*, *C*, and *default*.
	ACTION	Re-enter the command with *COBOL*, *Pascal*, *FORTRAN*, *C*, or *default* as the designator.

UE374	MESSAGE	LOCAL IS NOT ACTIVE
	CAUSE	A local variable name was recognized but the procedure it belongs to was not currently active on the child process stack.
	ACTION	Re-enter the command after its procedure has been called.

UE375	MESSAGE	TWO OPERANDS IN A ROW
	CAUSE	The expression handler detected an improper construct in an expression.
	ACTION	Refer to the "Entering Expressions" section in the *HP Symbolic Debugger User's Reference Manual* (31508-90003).

UE376	MESSAGE	NO SOURCE FILE FOR CURRENT ADDRESS
	CAUSE	The given child process address did not map to a known, debuggable source file.
	ACTION	Use the *lf* (*list files*) command to view the files the debugger recognizes, and re-enter the command with an appropriate address expression.

UE377	MESSAGE	NO SEARCH PATTERN
	CAUSE	The search command (/, ?, n (next), or N (Next)) was given without a search pattern (in the case of n (next) and N (Next), the previous search command / or ? was provided without a pattern).
	ACTION	Refer to the individual command listings in the *HP Symbolic Debugger User's Reference Manual* (31508-90003) for more information about search commands.

UE378	MESSAGE	NO MATCH FOR "TEXT"
	CAUSE	The search pattern (TEXT) for the /, ?, n, (next) or N (Next) command was not found in the current viewing file. Note that the pattern is a literal, not a regular expression.
	ACTION	Try another pattern or view another file and search for the pattern.

UE379	MESSAGE	INVALID DISPLAY FORMAT "TEXT"
	CAUSE	Given the data display format, or a portion of it, the TEXT contained invalid syntax.
	ACTION	Refer to Table 4-3 in the *HP Symbolic Debugger User's Reference Manual* (31508-90003) to see valid data viewing formats.

UE381	MESSAGE	LENGTH NOT ALLOWED WITH "TEXT" FORMAT
	CAUSE	Given the data display format, the TEXT did not allow the data length specification because it is irrelevant or implicit in the format.
	ACTION	Refer to the *HP Symbolic Debugger User's Reference Manual* (31508-90003) to see valid data viewing formats.

UE382	MESSAGE	THIS DOES NOT APPEAR TO BE A STRUCT OR UNION THIS DOES NOT APPEAR TO BE A RECORD OR UNION
	CAUSE	The debugger tried and failed to dump the contents of a data object that was not a struct, union, or record.
	ACTION	Use the $\backslash t$ display format for more information.
UE385	MESSAGE	NO CURRENT PROCEDURE
	CAUSE	The debugger tried to list locals for the current viewing procedure when the procedure was undefined.
	ACTION	Use the *lp* (*list procedures*) command to list all the debuggable procedures.
UE386	MESSAGE	NO SUCH PROCEDURE "PROC"
	CAUSE	An attempt to list locals of a non-existent, or non-debuggable procedure PROC was made.
	ACTION	Use the *lp* (*list procedures*) command to list all known debuggable procedures.
UE387	MESSAGE	UNRECOGNIZED "l" COMMAND
	CAUSE	The *l* (*list*) command was given with a second part that was neither a known procedure name, nor a valid option.
	ACTION	Refer to the *l* (*list*) command listing in the *HP Symbolic Debugger User's Reference Manual* (31508-90003) for more information.
UE388	MESSAGE	":" MUST BE FOLLOWED BY A DEPTH
	CAUSE	*Proc:depth* was entered incorrectly.
	ACTION	Refer to the individual command listings in the *HP Symbolic Debugger User's Reference Manual* (31508-90003) for more information.

UE390	MESSAGE	EXITING COMMAND LINE PROCEDURE CALL
	CAUSE	The command line procedure call environment terminated for an unusual reason, such as a break was encountered during program execution, or an error was reached before the procedure was called.
	ACTION	Check the procedure call for errors and re-enter the command line procedure call.

UE391	MESSAGE	CAN'T PASS MORE THAN NUM ARGUMENTS TO CALLED PROCEDURE
	CAUSE	A large limit (NUM) exists on how many parameters can be passed to a procedure called from the command line.
	ACTION	Check the number of parameters for the procedure you are attemping to call. If the limit (NUM) is less than the number of parameters in the procedure, that procedure cannot be called from the command line.

UE392	MESSAGE	ARGUMENT LIST TOO LONG
	CAUSE	Arguments to the run command exceeded 1024 bytes.
	ACTION	Re-enter the run command with fewer arguments.

UE393	MESSAGE	CAN'T GOTO A LINE OUTSIDE OF THE CURRENT PROCEDURE
	CAUSE	The line number given to the *g* (*goto*) command was not an executable source line in the top procedure or paragraph on the child process stack. This is not always the same as the current viewing procedure.
	ACTION	Re-enter the *g* (*goto*) command with a line number within the procedure or paragraph on the top of the child process stack.

UE396	MESSAGE	UNKNOWN NAME
	CAUSE	An unrecognized string (procedure or variable name) was encountered in an expression.
	ACTION	Use the *lp* (*list procedures*), *lg* (*list globals*), *l* (*list*), *lc* (*list commons*), or *ll* (*list labels*) command to list all known procedures, globals, locals, commons, or labels.

UE398	MESSAGE	MISFORMED HEX NUMBER
	CAUSE	0x or 0X was given without digits following.
	ACTION	Re-enter the command with a valid hexadecimal number.

UE399	MESSAGE	MISFORMED OCTAL NUMBER
	CAUSE	An octal number starting with 0 contains an 8 or 9.
	ACTION	Re-enter the command with the correct octal number.

UE400	MESSAGE	CHARACTER CONSTANT IS MISSING ENDING
	CAUSE	Token parsed as a character constant is missing a trailing single quotation mark ('). This applies to a single quotation mark followed by a single character or equivalent, backslash sequence.
	ACTION	Re-enter the command enclosing the character constant in single quotation marks (').

UE401	MESSAGE	STRING CONSTANT IS MISSING ENDING "
	CAUSE	Token parsed as a string constant was missing a trailing double quotation mark before the end of the command line.
	ACTION	Re-enter the string with a beginning and ending double quotation marks.

UE402	MESSAGE	MACROS NESTED TOO DEEPLY
	CAUSE	A user specified macro has caused the evaluation of over 20 macro definitions during its evaluation. The debugger cannot evaluate macros nested this deep. This error can also be caused by a recursive macro definition.
	ACTION	Redefine the macro using fewer than 20 macro definitions, or remove the recursive definition.
UE403	MESSAGE	MACROS PROCESSING OVERFLOW
	CAUSE	While evaluating a userh specified macro, the buffer used to hold the resulting definition for this macro was about to overflow, and the processing for this macro terminated unsuccessfully.
	ACTION	Undefine the unnecessary macros and redefine the macro.
UE404	MESSAGE	SORRY, YOU CAN'T ACCESS A NAKED FIELD
	CAUSE	An attempt was made to refer to a field by name without specifying the qualifying structure (for example, union, record, pointer, etc.).
	ACTION	Use the $\backslash t$ display format for more information.
UE405	MESSAGE	TOO MANY SUBSCRIPTS
	CAUSE	An attempt was made to dereference an array with more dimensions than it was declared to have. However, HP C does allow you to dereference pointers in this manner.
	ACTION	Use the $\backslash t$ display format for more information.

UE407	MESSAGE	INVALID FIELD ACCESS: "NAME"
	CAUSE	An attempt was made to do a field dereference of an object (NAME) that was not a structure or union.
	ACTION	Use the \t display format to determine the characteristics of the object (NAME).

UE408	MESSAGE	NO SUCH FIELD NAME "NAME" FOR THAT RECORD NO SUCH FIELD NAME "NAME" FOR THAT STRUCT NO SUCH FIELD NAME "NAME" FOR THAT UNION
	CAUSE	Struct (union, record) did not contain a field of that NAME.
	ACTION	Use the \t display format for more information.

UE411	MESSAGE	OPERAND STACK OVERFLOW
	CAUSE	An expression was too complicated for the expression handler to parse. A combination of more than 15 nested parentheses and/or pending operators may be the cause.
	ACTION	Re-enter the expression, using less than 15 nested parentheses.

UE412	MESSAGE	CAN'T EXECUTE CHILD PROGRAM
	CAUSE	The debugger could not execute the object file given.
	ACTION	Check to see that the file is executable.

UE413	MESSAGE	WINDOW MODE REQUIRED FOR THIS COMMAND
	CAUSE	The debugger was probably invoked with the -*L* option.
	ACTION	Verify that you are using an HP terminal and rerun the debugger without the -*L* option.

UE415	MESSAGE	NO SUCH FIELD: "NAME"
	CAUSE	The simple field NAME or field list specified does not exist.
	ACTION	Check the declaration for the correct field name or field list.

UE416	MESSAGE	NON-UNIQUE FIELD LIST
	CAUSE	The field name or field list specified does not uniquely identify a single field.
	ACTION	Use a more complex field list to ensure it identifies a single field.

UE418	MESSAGE	CAN'T MIX . AND OF OPERATORS
	CAUSE	The field list includes both the . and *of* operators.
	ACTION	Use only the . or *of* operator.

UE419	MESSAGE	ONE ARRAY SUBSCRIPT EXPECTED
	CAUSE	The field specified is a table or one of the field's ancestors is a table, but no array subscript was given.
	ACTION	Determine which field is a table, and use the appropriate subscript.

UE420	MESSAGE	LIST OF <NUMBER> ARRAY SUBSCRIPTS EXPECTED
	CAUSE	The field specified is a table and/or one or more of the field's ancestors is a table; *<number>* subscripts are required, but no array subscripts were given.
	ACTION	Determine which fields are tables, and use the appropriate *<number>* of subscripts.

UE421	MESSAGE	NOT ENOUGH ARRAY SUBSCRIPTS, EXPECTED <NUMBER>
	CAUSE	There are more tables among the field and its ancestors than there were subscripts given.
	ACTION	Determine which fields are tables, and supply *<number>* subscripts.

UE422	MESSAGE	UNEXPECTED ARRAY SUBSCRIPT LIST
	CAUSE	Neither the field specified nor any of its ancestors are tables, but one or more subscripts was given.
	ACTION	Do not give a list of subscripts.

UE423	MESSAGE	CAN'T MOVE TO A CONSTANT
	CAUSE	The item which is the destination of the move is a constant.
	ACTION	Do not attempt to store into a constant, or look at the declarations to determine the correct field name.

UE424	MESSAGE	CAN'T MOVE TO THAT DESTINATION
	CAUSE	The item which is the destination of the move is of a type into which the debugger can not store.
	ACTION	Do not attempt to store into that item, or look at the declarations to determine the correct field name.

UE425	MESSAGE	CAN'T HANDLE EDITED FIELDS AS DESTINATION
	CAUSE	The item which is the destination of the move is an edited field.
	ACTION	None, the debugger can not currently handle edited fields as the source or destination of a *mov* (*move*) command.

UE426	MESSAGE	CAN'T HANDLE EDITED FIELDS AS SOURCE
	CAUSE	The item which is the source of the move is an edited field.
	ACTION	None, the debugger can not currently handle edited fields as the source or destination of a *mov* (*move*) command.

UE427	MESSAGE	CAN'T MOVE NUMERIC FIELD TO ALPHABETIC FIELD
	CAUSE	The source of the move is a numeric field, while the destination field is alphabetic.
	ACTION	None, moving a numeric field to an alphabetic field is illegal.

UE428	MESSAGE	CAN'T MOVE NUMERIC FIELD WITH A FRACTION TO ALPHANUMERIC FIELD
	CAUSE	The source of the move is a numeric field which has a fraction, while the destination field is alphanumeric.
	ACTION	None, moving a numeric field with a fraction to an alphanumeric field is illegal.

UE429	MESSAGE	CAN'T MOVE ALPHABETIC FIELD TO NUMERIC FIELD
	CAUSE	The source of the move is an alphabetic field, while the destination field is numeric.
	ACTION	None, moving an alphabetic field to a numeric field is illegal.

UE430	MESSAGE	CAN'T MOVE ALPHANUMERIC FIELD CONTAINING NON-DIGIT TO NUMERIC FIELD
	CAUSE	The source of the move is an alphanumeric field containing a non-digit, while the destination is numeric.
	ACTION	None, moving an alphanumeric field containing a non-digit to a numeric field is illegal.

UE431	MESSAGE	INVALID SIGN IN PACKED DECIMAL NUMBER
	CAUSE	The packed decimal field that is either being displayed or being used as the source of a move contains an invalid sign field.
	ACTION	Use either a data field that redefines the packed decimal field, or use the group field that contains the packed decimal data field.

UE432	MESSAGE	INVALID DIGIT IN PACKED DECIMAL NUMBER
	CAUSE	The packed decimal field that is either being displayed or being used as the source of a move contains an invalid digit.
	ACTION	Use either a data field that redefines the packed decimal field, or use the group field that contains the packed decimal data field.

UE433	MESSAGE	INVALID SIGN OVERPUNCH IN DISPLAY NUMBER
	CAUSE	The display field that is either being displayed or being used as the source of a move contains an invalid sign overpunch.
	ACTION	Use either a data field that redefines the display field, or use the group field that contains the display field.

UE434	MESSAGE	INVALID SEPARATE SIGN IN DISPLAY NUMBER
	CAUSE	The display field that is either being displayed or being used as the source of a move contains an invalid separate sign.
	ACTION	Use either a data field that redefines the display field, or use the group field that contains the display data field.

UE435	MESSAGE	TOO MANY ARRAY SUBSCRIPTS, EXPECTED <NUMBER>
	CAUSE	There are less tables among the field and its ancestors than there were subscripts.
	ACTION	Determine which fields are tables, and supply *<number>* subscripts.

UE436	MESSAGE	SUBSCRIPT NUMBER <SUBSCRIPT> OUTSIDE RANGE <LOW> TO <HIGH>.
	CAUSE	Subscript number $<subscript>$ was outside the valid range of $<low>$ to $<high>$.
	ACTION	Supply a value between $<low>$ and $<high>$.

Debugger Errors (DB1-DB8)

DB1	MESSAGE	Assigning to NUM byte object from NUM byte object; moved NUM bytes
	CAUSE	The object on the left side of an assignment was not equal to the size of the right side of the expression. The debugger copied a series of bytes equal in size to the left side of the assignment statement.
	ACTION	Re-enter the command, using expressions of equal length, or else results based on truncation will occur.
DB2	MESSAGE	WARNING: "FILE" DOES NOT APPEAR TO HAVE LINE SYMBOLS
	CAUSE	When opening the source file (FILE) associated with a procedure, no entries in the source line table were found for the procedure. The procedure may not have any executable lines, or the object file may have been corrupted.
	ACTION	Recompile the program with the symbolic debugger option.

DB3	MESSAGE	WARNING: "FILE1" IS YOUNGER THAN "FILE2"
	CAUSE	The source file (FILE1) modification time is newer than the object file (FILE2) modification time, so the source file may not correspond to the code in object file.
	ACTION	Recompile the source file with the symbolic debugger option to update the object file.

DB7	MESSAGE	WARNING: CODE IS SHARED; YOU CAN'T SET BREAKPOINTS SO YOU CAN'T RUN.
	CAUSE	The object file was set to a shared mode that prevented the debugger from writing breakpoints into a child process code in memory. Because an initial breakpoint is required when starting a child process, you cannot do any useful debugging without one. If you try to start a child process, you may receive the message: "Bad access."
	ACTION	If possible, modify the object file to no longer be in shared mode.

DB8	MESSAGE	WARNING: "XDBEND" WAS NOT LINKED WITH THIS PROGRAM
	CAUSE	The special procedure "_end_" was not found in the symbol table during initialization. If *xdbend* is missing, string constants and some other values cannot be stored in the child process address space when required, resulting in an error at that time.
	ACTION	Re-link the program with *xdbend.lib.sys*.

DB10	MESSAGE	WARNING: TOO FEW PARAMETERS
	CAUSE	An attempt was made to call a debuggable procedure from the command line with a different number of parameters than specified in the symbol table. The procedure can still be called, but it may lead to odd results which depend on the language and the called procedure.
	ACTION	Use the *V* (*View*) command to view the procedure to determine the correct number of parameters.

DB11	MESSAGE	WARNING: TOO MANY PARAMETERS
	CAUSE	An attempt was made to call a debuggable procedure from the command line with a different number of parameters than specified in the symbol table. The procedure can still be called, but it may lead to odd results which depend on the language and the called procedure.
	ACTION	Use the *V* (*View*) command to view the procedure to determine the correct number of parameters.

Sysmain

(sys)

1	MESSAGE	CAN'T ABORT I/O ON A VIRTUAL LOGICAL DEVICE. (sys 1)
2	MESSAGE	CAN'T ABORT I/O ON A DISC LOGICAL DEVICE. (sys 2)
3	MESSAGE	NOT A VALID LOGICAL DEVICE. (sys 3)
4	MESSAGE	CAN'T ABORT I/O ON A SPOOLER LOGICAL DEVICE. (sys 4)
5	MESSAGE	LOGICAL DEVICE IS NOT CONFIGURED. (sys 5)
6	MESSAGE	CAN'T ABORT THIS JOB/SESSION. (sys 6)
7	MESSAGE	INVALID JOB IDENTIFIER. (sys 7)
8	MESSAGE	ALREADY IN SINGLE USER MODE. (sys 8)
9	MESSAGE	CAN'T FORCE LOGOFF. (sys 9)
10	MESSAGE	CURRENTLY IN LOGOFF MODE. (sys 10)
11	MESSAGE	MISSING JOB/SESSION # SPECIFIER. (sys 11)
12	MESSAGE	ALREADY IN MULTI-USER MODE. (sys 12)
13	MESSAGE	LOGON NOT PERMITTED BY DIAGNOSTICS. (sys 13)

14	MESSAGE	CAN'T FORCE LOGON. (sys 14)
15	MESSAGE	NO REQUESTS PENDING. (sys 15)
16	MESSAGE	INVALID RID TYPE. (sys 16)
17	MESSAGE	MISSING PARAMETER. (sys 17)
18	MESSAGE	MISSING PARAMETER LENGTH. (sys 18)
19	MESSAGE	INVALID REPLY IDENTIFIER. (sys 19)
20	MESSAGE	REPLY IS TOO LONG. (sys 20)
21	MESSAGE	PARAMETER IS TOO LONG. (sys 21)
22	MESSAGE	COMMAND NAME IS TOO LONG. (sys 22)
23	MESSAGE	INVALID COMMAND NAME. (sys 23)
24	MESSAGE	CAN'T CREATE THE SYSTEM PORT. (sys 24)
25	MESSAGE	CAN'T CREATE THE REPLY INFORMATION TABLE. (sys 25)
26	MESSAGE	CAN'T GET A COMMAND. (sys 26)
27	MESSAGE	CAN'T RESTORE ORIGINAL STATE OF CONSOLE. (sys 27)
28	MESSAGE	CAN'T CREATE A STATUS REPLY PORT. (sys 28)
29	MESSAGE	CAN'T RECEIVE STATUS. (sys 29)
30	MESSAGE	CAN'T PURGE STATUS REPLY PORT. (sys 30)

31	MESSAGE	MUST HAVE DI CAPABILITY. (sys 31)

32	MESSAGE	CAN'T ENABLE/DISABLE CONSOLE MODE. (sys 32)

33	MESSAGE	CAN'T SHUT DOWN. (sys 33)

34	MESSAGE	CURRENTLY SHUTTING DOWN. (sys 34)

35	MESSAGE	NO I/O TO ABORT FOR DEVICE !. (sys 35)

36	MESSAGE	HLIO INTERNAL ERROR. COMMAND CANNOT BE EXECUTED. (sys 36)

37	MESSAGE	THIS JOB/SESSION DOES NOT EXIST. (sys 37)

38	MESSAGE	TOO MANY PARAMETERS WERE GIVEN. (sys 38)

39	MESSAGE	EXPECTED USER NAME IN USERNAME.ACCTNAME PARAMETER. (sys 39)

40	MESSAGE	MISSING USER NAME IN USERNAME.ACCTNAME. (sys 40)

41	MESSAGE	PARAMETER EXCEEDS THE LENGTH OF USER/JOB/ACCT NAMES. (sys 41)

42	MESSAGE	EXPECTED [JOBNAME,]USERNAME.ACCTNAME. (sys 42)

43	MESSAGE	MISSING ACCT NAME IN USERNAME.ACCTNAME PARAMETER. (sys 43)

44	MESSAGE	INVALID CHARACTER WAS FOUND. (sys 44)

47	MESSAGE	SYSTEM CURRENTLY IN AN UNKNOWN MODE. (sys 47)

100	MESSAGE	UNRECOGNIZED SUBSYSTEM #!, INFO = !. (sys 100)

200	MESSAGE	System State: Initializing Mode. (sys 200)
201	MESSAGE	System State: Multiuser Mode. (sys 201)
202	MESSAGE	System State: Single User Mode. (sys 202)
203	MESSAGE	System State: Single User - No Logon Mode. (sys 203)
204	MESSAGE	System State: No User Mode. (sys 204)
205	MESSAGE	System State: Terminating Mode. (sys 205)
210	MESSAGE	Reply Information Table has been initialized! (sys 210)

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System Disk Load

(Subsystem 148)

201	MESSAGE	An error occurred in the file name from tape.
	CAUSE	Incorrect file name read from tape.
	ACTION	Clean tape drive and retry. Clean tape drive and remake tape. Determine cause of incorrect file name on tape and correct.

202	MESSAGE	The procedure failed to initialize the file system directory on INSTALL.
	CAUSE	Error status returned from DRINIT file system initialize directory.
	ACTION	Determine cause of error from DRINIT and correct.

203	MESSAGE	An internal file number error occurred upon trying to get the disk address of a boot file.
	CAUSE	File number error while getting disk address. (Internal error.)
	ACTION	Call your Hewlett-Packard Representative.

204	MESSAGE	An error occurred from file system FFILEINFO getting the disk address of a boot file.
	CAUSE	Error returned from FFILEINFO.
	ACTION	Determine cause of error from FFILEINFO and correct.

205	MESSAGE	An error occurred from file system LM_GET_1ST_EXTENT_INFO getting a disk address of a boot file.
	CAUSE	Error returned from LM_GET_1ST_EXTENT_INFO
	ACTION	Determine cause of error from LM_GET_1ST_EXTENT_INFO and correct.

206	MESSAGE	An error occurred from I/O system reading the label for a name file from tape for RENDEZVOUSIO.
	CAUSE	Error returned by RENDEZVOUSIO reading MPEXLDIR file label.
	ACTION	Clean tape drive and retry. Clean tape drive, remake tape and retry. Determine cause of error from RENDEZVOUSIO and correct.

207	MESSAGE	An error occurred from I/O system reading the label for a name file from the tape from SENDIO.
	CAUSE	Error returned by SENDIO reading MPEXLDIR file label.
	ACTION	Determine cause of error from SENDIO and correct.

208	MESSAGE	An error occurred reading the label for the name file. Bad tape or wrong tape position; not enough data read.
	CAUSE	Error in length of data reading MPEXLDIR file label. Tape read expected 256 bytes and got less than 200 bytes.
	ACTION	Clean tape drive and retry. Clean tape drive, remake tape and retry.

209	MESSAGE	An error occurred from I/O system reading the name file from the tape from RENDEZVOUSIO.
	CAUSE	Error returned by RENDEZVOUSIO reading MPEXLDIR file data.
	ACTION	Clean tape drive and retry. Clean tape drive, remake tape and retry. Determine cause of error from RENDEZVOUSIO and correct.

210	MESSAGE	An error occurred from I/O system reading the name file from the tape from SENDIO.
	CAUSE	Error returned by SENDIO reading MPEXLDIR file data.
	ACTION	Determine cause of error from SENDIO and correct.

211	MESSAGE	An error occurred reading the name file from the tape; bad tape or wrong tape position; not enough data read.
	CAUSE	Error in length of data reading MPEXLDIR file data. Tape read expected at least 80 bytes and got less than 80 bytes.
	ACTION	Clean tape drive and retry. Clean tape drive, remake tape and retry.

212	MESSAGE	An error occurred from HPFOPEN to create the name file.
	CAUSE	Error from HPFOPEN for MPEXLDIR file.
	ACTION	Determine cause of error from HPFOPEN and correct.

213	MESSAGE	Error from FWRITE on writing name file.
	CAUSE	Error from FWRITE for MPEXLDIR file.
	ACTION	Determine cause of error from FWRITE and correct.

214	MESSAGE	An error occurred from FCLOSE on the name file.
	CAUSE	Error from FCLOSE for MPEXLDIR file.
	ACTION	Determine cause of error from FCLOSE and correct.

215	MESSAGE	A failure occurred from INIT_BOOTCMD_AREA.
	CAUSE	Error from INIT_BOOTCMD_AREA.
	ACTION	Determine cause of error from INIT_BOOTCMD_AREA and correct.

216	MESSAGE	A failure occurred from SAVE_BOOTCMD_TO_DISK.
	CAUSE	Error from SAVE_BOOTCMD_TO_DISK.
	ACTION	Determine cause of error from SAVE_BOOTCMD_TO_DISK and correct.

217	MESSAGE	A failure occurred from COMPUTE_FREE_ADDRESS.
	CAUSE	Error from COMPUTE_FREE_ADDRESS.
	ACTION	Determine cause of error from COMPUTE_FREE_ADDRESS and correct.

218	MESSAGE	This is an invalid free space map address from `COMPUTE_FREE_ADDRESS`; conditional debug compile option.
	CAUSE	Incorrect free space bit map address from COMPUTE_FREE_ADDRESS. Debug code not released.
	ACTION	Call your Hewlett-Packard Representative.
219	MESSAGE	A failure occurred from `SM_CREATE_HASH_TBL`.
	CAUSE	Error from SM_CREATE_HASH_TBL. Internal storage management routine.
	ACTION	Determine cause of error from SM_CREATE_HASH_TBL and correct.
220	MESSAGE	A failure occurred from `INSTALL_VOLUME_MGT`.
	CAUSE	Error from INSTALL_VOLUME_MGT while initializing a volume.
	ACTION	Determine cause of error from INSTALL_VOLUME_MGT and correct.
221	MESSAGE	A failure occurred from local routine `LOAD_POST` writing to sector 0,1 of disk.
	CAUSE	Error from LOAD_POST writing to sector zero and one of LDEV 1.
	ACTION	Determine cause of error from LOAD_POST and correct.
222	MESSAGE	A failure occurred from local routine `LOAD_POST` writing to sector 0,1 of disk.
	CAUSE	Error from LOAD_POST writing to sector zero and one of LDEV 1.
	ACTION	Determine cause of error from LOAD_POST and correct.
223	MESSAGE	A failure occurred from file system `FS_INITIALIZE_FILE_SYSTEM`.
	CAUSE	Error from FS_INITIALIZE_FILE_SYSTEM.
	ACTION	Determine cause of error from FS_INITIALIZE_FILE_SYSTEM and correct.

224	MESSAGE	A failure occurred from file system `FS_PROC_INIT`.
	CAUSE	Error from FS_PROC_INIT, file system initialize routine.
	ACTION	Determine cause of error from FS_PROC_INIT and correct.

225	MESSAGE	A failure occurred from file system directory `FAKE_LOGON`.
	CAUSE	Error from FAKE_LOGON, file system directory routine.
	ACTION	Determine cause of error from FAKE_LOGON and correct.

226	MESSAGE	A failure occurred from file system `FS_TDIRC_INIT`.
	CAUSE	Error from FS_TDIRC_INIT, file system routine.
	ACTION	Determine cause of error from FS_TDIRC_INIT and correct.

227	MESSAGE	A failure occurred from local routine `LOAD_POST` writing to sector 0,1 of disk.
	CAUSE	Error from LOAD_POST writing to sector zero and one of LDEV 1.
	ACTION	Determine cause of error from LOAD_POST and correct.

228	MESSAGE	A fatal option error occurred (file name wrong); INSTALL renamed UPDATE.
	CAUSE	A copy of the PME INSTALL has been given control from the option routine with the indication that the command used to call the PME was not INSTALL. Probably was UPDATE. Probably a copy of INSTALL was renamed UPDATE.
	ACTION	Use a correct copy of INSTALL.

229	MESSAGE	Disk sparing failed on LDEV 1.
	CAUSE	Error returned from disk sparing of LDEV 1.
	ACTION	Determine cause of error from sparing and correct.

230	MESSAGE	REBOOT_CPU returned control.
	CAUSE	The routine REBOOT_CPU has returned control to the caller. The CPU was probably not rebooted.
	ACTION	Determine why control was returned from REBOOT_CPU and correct. Reboot the CPU and continue.

231	MESSAGE	Hard loop failed, probably due to compiler or hardware error, or START/NO START error.
	CAUSE	The compiler generated loop to stop the CPU on a nostart option has exited. Generated code or hardware error.
	ACTION	Determine why the code exited and correct. Reboot the CPU and continue.

232	MESSAGE	An error occurred upon getting the size of the disk.
	CAUSE	Error from GET_HPE_DISC_SIZE_PAGE. Internal routine to compute the number of pages on the disk.
	ACTION	Determine cause of error from GET_HPE_DISC_SIZE_PAGE and correct.

233	MESSAGE	An error occurred from SM_CREATE_HASH_TBL.
	CAUSE	Error from SM_CREATE_HASH_TBL, storage management routine.
	ACTION	Determine cause of error from SM_CREATE_HASH_TBL and correct.

234	MESSAGE	An error occurred from START_VOLUME_MGT.
	CAUSE	Error from START_VOLUME_MGT, volume management routine.
	ACTION	Determine cause of error from START_VOLUME_MGT and correct.

235	MESSAGE	An error occurred from file system FS_INITIALIZE_FILE_SYSTEM.
	CAUSE	Error FS_INITIALIZE_FILE_SYSTEM.
	ACTION	Determine cause of error from FS_INITIALIZE_FILE_SYSTEM and correct.

236	MESSAGE	An error occurred from file system FS_PROC_INIT.
	CAUSE	Error from FS_PROC_INIT, file system routine.
	ACTION	Determine cause of error from FS_PROC_INIT and correct.

237	MESSAGE	An error occurred from file system directory FAKE_LOGON.
	CAUSE	Error from FAKE_LOGON, file system directory logon.
	ACTION	Determine cause of error from FAKE_LOGON and correct.

238	MESSAGE	An error occurred from file system FS_TDIRC_INIT.
	CAUSE	Error from FS_TDIRC_INIT, file system routine.
	ACTION	Determine cause of error from FS_TDIRC_INIT and correct.

239	MESSAGE	This is a fatal option error (filename wrong); UPDATE renamed INSTALL.
	CAUSE	A copy of the PME UPDATE has been given control from the option routine with the indication that the command used to call the PME was not UPDATE. Probably was INSTALL. Probably a copy of UPDATE was renamed INSTALL.
	ACTION	Use a correct copy of UPDATE.

240	MESSAGE	Disk sparing failed on LDEV 1.
	CAUSE	Error returned from disk sparing of LDEV 1.
	ACTION	Determine cause of error from sparing and correct.

241	MESSAGE	REBOOT_CPU returned control.
	CAUSE	The routine REBOOT_CPU has returned control to the caller. The CPU was probably not rebooted.
	ACTION	Determine why control was returned from REBOOT_CPU and correct. Reboot the CPU and continue.

242	MESSAGE	Hard loop failed, probably due to compiler or hardware error, or START/NO START option error.
	CAUSE	The compiler generated loop to stop the CPU on a nostart option has exited. Generated code or hardware error.
	ACTION	Determine why the code exited and correct. Reboot the CPU and continue.

243	MESSAGE	Failure from SAVE_BOOT_CMD_TO_DISC.
	CAUSE	Error from SAVE_BOOT_CMD_TO_DISC.
	ACTION	Determine cause of error from SAVE_BOOT_CMD_TO_DISC and correct.

244	MESSAGE	An error was returned by CONFIGURE_DEVICE configuring the tape drive.
	CAUSE	Error from CONFIGURE_DEVICE for tape control.
	ACTION	Determine cause of error from CONFIGURE_DEVICE and correct.

245	MESSAGE	The procedure found a second IPL on tape; bad tape.
	CAUSE	Found second IPL file on the tape. Invalid tape format.
	ACTION	Determine cause of the second IPL on the tape and correct. Remake the tape and redo the UPDATE or INSTALL.

246	MESSAGE	An error was returned by ADD_DUMP_FILE.
	CAUSE	Error returned from ADD_DUMP_FILE. Internal routine to add the dump file to the disk and the LIF directory.
	ACTION	Determine cause of error from ADD_DUMP_FILE and correct.

247	MESSAGE	An error was received from LOAD_POST writing label sector 0,1 to LDEV 1.
	CAUSE	Error from LOAD_POST writing to sector zero and one of LDEV 1.
	ACTION	Determine cause of error from LOAD_POST and correct.

248	MESSAGE	No IPL from the tape; disk will not boot.
	CAUSE	No IPL file was found on the tape. Invalid tape format.
	ACTION	Determine the cause of missing IPL file and correct. Remake the tape and redo the UPDATE or INSTALL.

249	MESSAGE	No NL.PUB.SYS from the tape; disk will not start.
	CAUSE	No NL.PUB.SYS file was found on the tape. Invalid tape format. File is identified by start number in tape file header.
	ACTION	Determine the cause of missing NL.PUB.SYS file and correct. Remake the tape and redo the UPDATE or INSTALL.

250	MESSAGE	An error was received from CREATE_OBJECT for global area.
	CAUSE	Error returned from CREATE_OBJECT for global area.
	ACTION	Determine cause of error from CREATE_OBJECT and correct.

251	MESSAGE	An error was received from CREATE_OBJECT for page 1 buffer.
	CAUSE	Error returned from CREATE_OBJECT for page 1 buffer.
	ACTION	Determine cause of error from CREATE_OBJECT and correct.

253	MESSAGE	Bad sector table index error.
	CAUSE	An internal error occurred in the disk sparing routine change sector state. Bad sector table index error.
	ACTION	Retry the function (INSTALL or UPDATE or START or mount volume). Write over sector zero to bypass sparing on this volume and initialize it again. Consult a Hewlett-Packard System Engineer for help.

254	MESSAGE	Error on read of TRACK TABLE from RENDEZVOUSIO.
	CAUSE	Error returned from RENDEZVOUSIO for sparing read track table.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct.

255	MESSAGE	Error on read of TRACK TABLE from SENDIO.
	CAUSE	Error returned from SENDIO for sparing read track table.
	ACTION	Determine cause of error from SENDIO and correct.

256	MESSAGE	Error on write of TRACK TABLE from RENDEZVOUSIO.
	CAUSE	Error returned from RENDEZVOUSIO for sparing write track table.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct.

257	MESSAGE	Error on write of TRACK TABLE from SENDIO.
	CAUSE	Error returned from SENDIO for sparing write track table.
	ACTION	Determine cause of error from SENDIO and correct.

258	MESSAGE	An error was received from SENDIO reading bad sector.
	CAUSE	Error returned from SENDIO for sparing read sector save sector.
	ACTION	Determine cause of error from SENDIO and correct.

259	MESSAGE	An error was received from SENDIO writing sector.
	CAUSE	Error returned from SENDIO for sparing write sector save sector.
	ACTION	Determine cause of error from SENDIO and correct.

260	MESSAGE	An error was received from SENDIO reading sector from save area.
	CAUSE	Error returned from SENDIO for sparing read sector for restore sector.
	ACTION	Determine cause of error from SENDIO and correct.

261	MESSAGE	An error was received from RENDEZVOUSIO writing sector to new home.
	CAUSE	Error returned from RENDEZVOUSIO for sparing write sector for restore.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct.

262	MESSAGE	An error was received from SENDIO writing sector to new home.
	CAUSE	Error returned from SENDIO for sparing write sector for restore sector.
	ACTION	Determine cause of error from SENDIO and correct.

263	MESSAGE	An error was received from SENDIO reading sector from track.
	CAUSE	Error returned from SENDIO for sparing read sector save track.
	ACTION	Determine cause of error from SENDIO and correct.

264	MESSAGE	An error was received from SENDIO writing sector to save area.
	CAUSE	Error returned from SENDIO for sparing write sector save track.
	ACTION	Determine cause of error from SENDIO and correct.

265	MESSAGE	An error was received from SENDIO reading sector from track save area.
	CAUSE	Error returned from SENDIO for sparing read sector for restore track.
	ACTION	Determine cause of error from SENDIO and correct.

266	MESSAGE	An error was received from RENDEZVOUSIO writing sector to new home.
	CAUSE	Error returned from RENDEZVOUSIO for sparing write sector for restore track.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct.

267	MESSAGE	An error was received from SENDIO writing sector to new home.
	CAUSE	Error returned from SENDIO for sparing write sector for restore track.
	ACTION	Determine cause of error from SENDIO and correct.

268	MESSAGE	This is a bad SECTOR TABLE index error.
	CAUSE	Internal error. Error in sector state in bad sector table.
	ACTION	Retry the function (INSTALL, UPDATE, START or mount volume). Write over sector zero to bypass sparing on this volume and initialize it again. Call your Hewlett-Packard Representative.

269	MESSAGE	An error was received from SENDIO running sector test.
	CAUSE	Error returned from SENDIO for sparing run sector test.
	ACTION	Determine cause of error from SENDIO and correct.

270	MESSAGE	This is an internal error; error in track start address.
	CAUSE	Internal debug error. Not released. Invalid sector number from caller for run track test.
	ACTION	Call your Hewlett-Packard Representative.

271	MESSAGE	An error was received from SENDIO running track test.
	CAUSE	Error returned from SENDIO for sparing run track test.
	ACTION	Determine cause of error from SENDIO and correct.

272	MESSAGE	An error was received from SENDIO running R.O. track test.
	CAUSE	Error returned from SENDIO for sparing run R.O. track test.
	ACTION	Determine cause of error from SENDIO and correct.

273	MESSAGE	An error was received from SENDIO running controller test.
	CAUSE	Error returned from SENDIO for sparing run controller test.
	ACTION	Call your Hewlett-Packard Representative.

274	MESSAGE	This is an invalid sector address.
	CAUSE	Internal debug error. Not released. Invalid sector number from caller for run track test.
	ACTION	Call your Hewlett-Packard Representative.

275	MESSAGE	An error was received from RENDEZVOUSIO sparing a sector.
	CAUSE	Error returned from RENDEZVOUSIO for sparing spare sector.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct.

276	MESSAGE	An error was received from SENDIO sparing a sector.
	CAUSE	Error returned from SENDIO for sparing spare sector.
	ACTION	Determine cause of error from SENDIO and correct.

277	MESSAGE	This is an internal error in sector state.
	CAUSE	Internal error. Error in sector state in bad sector table.
	ACTION	Retry the function (INSTALL, UPDATE, START or mount volume). Write over sector zero to bypass sparing on this volume and initialize it again. Call your Hewlett-Packard Representative.

278	MESSAGE	An error was received from SENDIO sparing a track.
	CAUSE	Error returned from SENDIO for sparing spare track.
	ACTION	Determine cause of error from SENDIO and correct.

282	MESSAGE	A failure occurred from RENDEZVOUSIO skipping forward a tape file.
	CAUSE	Error returned from RENDEZVOUSIO for skip tape file.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct.

283	MESSAGE	A failure occurred from SENDIO skipping forward a tape file.
	CAUSE	Error returned from SENDIO for skip tape file.
	ACTION	Determine cause of error from SENDIO and correct.

284	MESSAGE	A failure occurred from RENDEZVOUSIO rewinding tape.
	CAUSE	Error returned from RENDEZVOUSIO for rewind tape.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct.

285	MESSAGE	A failure occurred from SENDIO rewinding tape.
	CAUSE	Error returned from SENDIO for rewind tape.
	ACTION	Determine cause of error from SENDIO and correct.

286	MESSAGE	A failure occurred from RENDEZVOUSIO unloading a tape.
	CAUSE	Error returned from RENDEZVOUSIO for unload tape.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct.

287	MESSAGE	A failure occurred from SENDIO unloading a tape.
	CAUSE	Error returned from SENDIO for unload tape.
	ACTION	Determine cause of error from SENDIO and correct.

288	MESSAGE	A failure occurred from RENDEZVOUSIO reading file label from tape.
	CAUSE	Error returned from RENDEZVOUSIO for read tape file label. Possible tape read error.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct. Clean tape drive and retry. Clean tape drive, remake tape and retry.

289	MESSAGE	A failure occurred from SENDIO reading file label from tape.
	CAUSE	Error returned from SENDIO for read tape file label.
	ACTION	Determine cause of error from SENDIO and correct.

290	MESSAGE	Not enough data was read from tape reading the file label.
	CAUSE	Tape read expected 256 bytes and got less than 200 bytes. Possible tape read error or tape position error.
	ACTION	Clean tape drive and retry. Clean tape drive, remake tape and retry.

291	MESSAGE	A failure was received from RENDEZVOUSIO skipping backwards on tape.
	CAUSE	Error returned from RENDEZVOUSIO for skip record back.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct.

292	MESSAGE	A failure was received from SENDIO skipping backwards on tape.
	CAUSE	Error returned from SENDIO for skip record back.
	ACTION	Determine cause of error from SENDIO and correct.

293	MESSAGE	A second NL.PUB.SYS was found on the boot tape.
	CAUSE	A second NL.PUB.SYS file was found on the tape. Invalid tape format. File is identified by start number in tape file header.
	ACTION	Determine the cause of the extra NL.PUB.SYS file and correct. Remake the tape and redo the UPDATE or INSTALL.

294	MESSAGE	Can not purge NL.PUB.SYS from disk.
	CAUSE	Error returned from HPOPEN for create of NL.PUB.SYS. File is identified by start number in tape file header.
	ACTION	Determine cause of error from HPOPEN and correct.

296	MESSAGE	A failure occurred from RENDEZVOUSIO reading user label block.
	CAUSE	Error returned from RENDEZVOUSIO for read user label block of a system file.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct. Clean tape drive and retry. Clean tape drive, remake tape and retry.

297	MESSAGE	Length error reading user label block.
	CAUSE	EOF read from tape while reading user label data. Invalid tape. Possible tape read error or tape position error.
	ACTION	Determine cause of error and correct. Clean tape drive and retry. Clean tape drive, remake tape and retry.

298	MESSAGE	A failure occurred from SENDIO reading user label block.
	CAUSE	Error returned from SENDIO for read user label block.
	ACTION	Determine cause of error from SENDIO and correct.

299	MESSAGE	An error occurred from FWRITELABEL writing user label.
	CAUSE	Condition code error returned by FWRITE for user label block.
	ACTION	Determine cause of error from FWRITE and correct.

300	MESSAGE	A failure occurred from RENDEZVOUSIO reading system file block from tape.
	CAUSE	Error returned from RENDEZVOUSIO for read file block. Possible tape read error or tape position error.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct. Clean tape drive and retry. Clean tape drive, remake tape and retry.

301	MESSAGE	This is a premature EOF on tape reading the system file block.
	CAUSE	An EOF was read from the tape before expected while reading system file data. Invalid tape. Possible tape read error or tape position error.
	ACTION	Determine cause of error and correct. Clean tape drive and retry. Clean tape drive, remake tape and retry.

302	MESSAGE	A failure was received from SENDIO reading system file block.
	CAUSE	Error returned from SENDIO for system file block.
	ACTION	Determine cause of error from SENDIO and correct.

303	MESSAGE	An error occurred from FWRITE on system file block.
	CAUSE	Condition code error returned by FWRITE for file data block.
	ACTION	Determine cause of error from FWRITE and correct.

304	MESSAGE	An error occurred from FCLOSE on system file.
	CAUSE	Error from FCLOSE for system file.
	ACTION	Determine cause of error from FCLOSE and correct.

305	MESSAGE	There is an error in the number of blocks on tape for system file; file length error.
	CAUSE	Record count error from tape while reading system file data. Invalid tape. Possible tape read error or tape position error.
	ACTION	Determine cause of error and correct. Clean tape drive and retry. Clean tape drive, remake tape and retry.

306	MESSAGE	HPOPEN error occurred for DUMPAREA.
	CAUSE	Error returned from HPOPEN for create of DUMPAREA.MPEXL.SYS.
	ACTION	Determine cause of error from HPOPEN and correct.

307	MESSAGE	An error was received from FWRITE for DUMPAREA.
	CAUSE	Condition code error returned by FWRITE for DUMPAREA.MPEXL.SYS.
	ACTION	Determine cause of error from FCLOSE and correct.

308	MESSAGE	Error from FCLOSE for DUMPAREA.
	CAUSE	Error from FCLOSE for DUMPAREA.MPEXL.SYS file.
	ACTION	Determine cause of error from FCLOSE and correct.

310	MESSAGE	An error was received from HPOPEN for creating boot file.
	CAUSE	Error returned from HPOPEN for create of a boot file.
	ACTION	Determine cause of error from HPOPEN and correct.

311	MESSAGE	An error occurred on reading the tape boot file block.
	CAUSE	Error returned from SENDIO for read file block from tape.
	ACTION	Determine cause of error from SENDIO and correct.

312	MESSAGE	There was an error in the number of blocks on the tape for the boot file; file length error.
	CAUSE	User label numbers in tape file label are incorrect. Invalid tape format. User labels are invalid for a boot file.
	ACTION	Determine cause of incorrect numbers and correct. Remake tape and retry the UPDATE or INSTALL.

313	MESSAGE	An error was received from FWRITE on the boot file.
	CAUSE	EOF read from tape before expected while reading boot file data. Invalid tape. Possible tape read error or tape position error.
	ACTION	Determine cause of error and correct. Clean tape drive and retry. Clean tape drive, remake tape and retry.

314	MESSAGE	Failure posting page 1 to disk.
	CAUSE	Error from LOAD_POST writing to sector zero and one of LDEV 1.
	ACTION	Determine cause of error from LOAD_POST and correct.

315	MESSAGE	An error was received from FCLOSE of boot file.
	CAUSE	Error from FCLOSE for a boot file.
	ACTION	Determine cause of error from FCLOSE and correct.

316	MESSAGE	The procedure failed to add boot file to the LIF directory.
	CAUSE	Error returned from ADD_NEXT_DIR_ENTRY for a boot file while attempting to add an entry to the LIF directory.
	ACTION	Determine cause of error from ADD_NEXT_DIR_ENTRY and correct.

317	MESSAGE	There was an error in the number of blocks on tape for the boot file; file length error.
	CAUSE	Record count error from tape while reading boot file data. Invalid tape. Possible tape read error or tape position error.
	ACTION	Determine cause of error and correct. Clean tape drive and retry. Clean tape drive, remake tape and retry.
318	MESSAGE	An error was received from RENDEZVOUSIO reading first label from tape.
	CAUSE	Error returned from RENDEZVOUSIO for read labels. First read from the tape. Possible tape read error or tape position error.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct. Clean tape drive and retry. Clean tape drive, remake tape and retry.
319	MESSAGE	An error was received from SENDIO reading the first label from the tape.
	CAUSE	Error returned from SENDIO for read labels. First read from the tape.
	ACTION	Determine cause of error from SENDIO and correct.
320	MESSAGE	An error occurred on the first read; not enough data read.
	CAUSE	Tape read expected 256 bytes and got less than 200 bytes. Possible tape read error or tape position error. First read from the tape. Reading labels.
	ACTION	Clean tape drive and retry. Clean tape drive, remake tape and retry.
321	MESSAGE	An error was received from RENDEZVOUSIO reading the second label from the tape.
	CAUSE	Error returned from RENDEZVOUSIO for read labels. Second read from the tape. Possible tape read error or tape position error.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct. Clean tape drive and retry. Clean tape drive, remake tape and retry.

322	MESSAGE	An error was received from SENDIO reading the second label from the tape.
	CAUSE	Error returned from SENDIO for read labels. Second read from the tape.
	ACTION	Determine cause of error from SENDIO and correct.

323	MESSAGE	An error occurred on the second read; not enough data read.
	CAUSE	Tape read expected 256 bytes and got less than 200 bytes. Possible tape read error or tape position error. Second read from the tape. Reading labels.
	ACTION	Clean tape drive and retry. Clean tape drive, remake tape and retry.

324	MESSAGE	An error was received from RENDEZVOUSIO reading the LIF directory from the tape.
	CAUSE	Error returned from RENDEZVOUSIO for read labels. Third read from the tape. Possible tape read error or tape position error.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct. Clean tape drive and retry. Clean tape drive, remake tape and retry.

325	MESSAGE	An error was received from SENDIO reading the LIF directory from the tape.
	CAUSE	Error returned from SENDIO for read labels. Third read from the tape.
	ACTION	Determine cause of error from SENDIO and correct.

326	MESSAGE	An error occurred reading the LIF directory from the tape; not enough data.
	CAUSE	Tape read expected 256 bytes and got less than 200 bytes. Possible tape read error or tape position error. Third read from the tape. Reading labels.
	ACTION	Clean tape drive and retry. Clean tape drive, remake tape and retry.

327	MESSAGE	This is not an MPE/iX boot tape; LIF label bad.
	CAUSE	LIF label check failed. Not a valid boot tape.
	ACTION	Retry with a valid boot tape.

328	MESSAGE	This is not an MPE/iX boot tape; MPE/iX label bad.
	CAUSE	MPE/iX label check failed. Not a valid boot tape.
	ACTION	Retry with a valid boot tape.

330	MESSAGE	An error was received from SENDIO writing disk page 1.
	CAUSE	Error from LOAD_POST writing to sector zero and one of LDEV 1. First write to sector zero and one of LDEV 1.
	ACTION	Determine cause of error from LOAD_POST and correct.

331	MESSAGE	An error was received from CREATE_OBJECT for first tape I/O buffer.
	CAUSE	Error returned from CREATE_OBJECT for tape I/O buffer 1.
	ACTION	Determine cause of error from CREATE_OBJECT and correct.

332	MESSAGE	An error was received from CREATE_OBJECT for a second tape I/O buffer.
	CAUSE	Error returned from CREATE_OBJECT for tape I/O buffer 2.
	ACTION	Determine cause of error from CREATE_OBJECT and correct.

333	MESSAGE	An error was received from CREATE_OBJECT for the tape LIF directory buffer.
	CAUSE	Error returned from CREATE_OBJECT for tape LIF directory buffer.
	ACTION	Determine cause of error from CREATE_OBJECT and correct.

334	MESSAGE	An error was received from CREATE_OBJECT for the disk LIF directory buffer.
	CAUSE	Error returned from CREATE_OBJECT for disk LIF directory buffer.
	ACTION	Determine cause of error from CREATE_OBJECT and correct.

335	MESSAGE	An error was received from CREATE_OBJECT for the tape LIF label buffer.
	CAUSE	Error returned from CREATE_OBJECT for tape LIF label buffer.
	ACTION	Determine cause of error from CREATE_OBJECT and correct.

336	MESSAGE	An error was received from CREATE_OBJECT for the tape MPE/iX label.
	CAUSE	Error returned from CREATE_OBJECT for tape MPE/iX label buffer.
	ACTION	Determine cause of error from CREATE_OBJECT and correct.

337	MESSAGE	An error was received from HPOPEN for creating LIF directory.
	CAUSE	Error from HPOPEN for LIFDIREC file.
	ACTION	Determine cause of error from HPOPEN and correct.

338	MESSAGE	An error was received from FWRITE for the LIF directory.
	CAUSE	Error from FWRITE for LIFDIREC file.
	ACTION	Determine cause of error from FWRITE and correct.

339	MESSAGE	An error was received from FCLOSE, closing the LIF directory.
	CAUSE	Error from FCLOSE for LIFDIREC file.
	ACTION	Determine cause of error from FCLOSE and correct.

340	MESSAGE	An error occurred writing page 1 of the disk.
	CAUSE	Error from LOAD_POST writing sector zero and one of LDEV 1.
	ACTION	Determine cause of error from LOAD_POST and correct.

341	MESSAGE	An error was received from RENDEZVOUSIO reading the disk labels.
	CAUSE	Error returned from RENDEZVOUSIO for read disk page 1, sector zero and one.
	ACTION	Determine cause of error from RENDEZVOUSIO and correct.

342	MESSAGE	An error was received from SENDIO reading the disk labels.
	CAUSE	Error returned from SENDIO for read disk page 1, sector zero and one.
	ACTION	Determine cause of error from SENDIO and correct.
343	MESSAGE	This is not an MPE XL disk. UPDATE failed; INSTALL required.
	CAUSE	Disk LDEV 1 is not a valid MPE/iX system master volume.
	ACTION	Replace with a valid MPE/iX system master and retry. Volume cannot be updated, INSTALL is required.
345	MESSAGE	System Abort 345
	CAUSE	Internal error. Invalid spare state. Debug code not released.
	ACTION	Call your Hewlett-Packard Representative.
346	MESSAGE	A failure was received from CREATE_OBJECT for a semaphore to use to interlock the label.
	CAUSE	Error returned from CREATE_OBJECT for volume label semaphore.
	ACTION	Determine cause of error from CREATE_OBJECT and correct.
347	MESSAGE	A failure was received from CREATE_BAD_SECTOR_TABLE.
	CAUSE	Error returned from CREATE_BAD_SECTOR_TABLE.
	ACTION	Determine cause of error from CREATE_BAD_SECTOR_TABLE and correct.
348	MESSAGE	A failure was received from XM_INITXM.
	CAUSE	Error from STARTGOLDENXID, transaction management routine.
	ACTION	Determine cause of error from STARTGOLDENXID and correct.
349	MESSAGE	A failure was received from XM_INITXM.
	CAUSE	Error from ENDGOLDENXID, transaction management routine.
	ACTION	Determine cause of error from ENDGOLDENXID and correct.

77

System Logging

(Subsystem 206)

900	MESSAGE	System logging is not enabled at the present time.
	CAUSE	An attempt was made to log a record, switch the log file, resume logging, show logging statistics or to shutdown the logging while the logging facility was not enabled.
	ACTION	Enable the logging facility if desired.

901	MESSAGE	The specified log event cannot be logged because it has not been enabled via the SYSGEN program.
	CAUSE	System logging cannot log a record because the specified log event is not enabled.
	ACTION	Enable the specified log event type if desired.

902	MESSAGE	System logging is currently suspended.
	CAUSE	System logging is suspended due to an error. It cannot log a record, switch the log file, show system logging statistics or shutdown the system logging facility.
	ACTION	Resume system logging.

903	MESSAGE	RESUMELOG cannot be performed since logging is not currently suspended.
	CAUSE	A request to resume the system logging facility was received when system logging was not suspended. The request is ignored.
	ACTION	User information only. No action required.

904	MESSAGE	The specified record cannot be logged because a SWITCHLOG is currently pending.
	CAUSE	The system log file is full and cannot accomodate any additional records. Log records are lost until a new log file is created.
	ACTION	Create a new log file.

905	MESSAGE	The specified record cannot be logged because it is larger than the record length of the system log file.
	CAUSE	The log record length is larger than the log file block size. The record is not logged.
	ACTION	User information only. No action required.

999	MESSAGE	A recover statement was unexpectedly invoked in a system logging intrinsic.
	CAUSE	A recover statement was unexpectedly invoked when trying to log a record, switch the log file, show system logging statistics, resume logging or to shutdown the system logging facility.
	ACTION	User information only. No action required.

78

Table Management

(Subsystem 108)

50	MESSAGE	The entry size is less than the minimum entry size.
	CAUSE	The entry size parameter is too small.
	ACTION	Correct the parameter.

51	MESSAGE	The header is invalid.
	CAUSE	Two words at the beginning of the header should point back to the header.
	ACTION	Take a system dump.

53	MESSAGE	The entry size is greater than the maximum size.
	CAUSE	The entry size is greater than the pool size in a variable entry size table.
	ACTION	Correct the parameter.

54	MESSAGE	The initial size is greater than the maximum size.
	CAUSE	The pool initial size is greater than the maximum size.
	ACTION	Correct the parameter.

58	MESSAGE	The last free entry is less than the first free entry.
	CAUSE	There are bad table creation parameters.
	ACTION	Correct the parameters.

59	MESSAGE	The free link offset is greater than the entry size.
	CAUSE	There are bad table creation parameters.
	ACTION	Correct the parameters.

63	MESSAGE	There is no entry in the pool.
	CAUSE	The pool does not contain any more entries.
	ACTION	Create the table with a larger primary or secondary pool of entries.

64	MESSAGE	There are no entries in the entire table.
	CAUSE	Both primary and secondary pools are empty.
	ACTION	Create the table with more entries.

69	MESSAGE	Attempted to return entry to full pool.
	CAUSE	More entries were returned than were originally in the pool.
	ACTION	Check the logic which gets and returns entries.

70	MESSAGE	The increment size is greater than the maximum pool size.
	CAUSE	There are bad table creation parameters.
	ACTION	Correct the parameters.

71	MESSAGE	The configured free entries are greater than the initial size.
	CAUSE	There are bad table creation parameters.
	ACTION	Correct the parameters.

72	MESSAGE	Single object header/body with inconsistent allocation.
	CAUSE	Body and header must both be allocated or not allocated initially.
	ACTION	Correct the parameters.

73	MESSAGE	The primary and secondary pools overlap in unified pool.

74	MESSAGE	The negative parameter value is illegal.
	CAUSE	There are bad table creation parameters.
	ACTION	Correct the parameters.

75	MESSAGE	Table semaphore type is out of range.
	CAUSE	The semaphore specification is not valid.
	ACTION	Correct the parameter.

76	MESSAGE	The entry number is not in the free list.
	CAUSE	Monotonic table entry number is outside the range of the free list.
	ACTION	Correct the parameter.

78	MESSAGE	The entry has not yet been allocated.
	CAUSE	The desired entry number is either less than zero or greater than the number of entries now in the body.
	ACTION	Correct the parameter.

79	MESSAGE	Space management WRITE disk error.
	CAUSE	sm_write returned an error to post_table.
	ACTION	Take a system dump.

80	MESSAGE	Posting requires a single object.
	CAUSE	An attempt was made to create a table with posting requested, but not with a single object.
	ACTION	Correct the parameter.

81	MESSAGE	There are no allocated entries.
	CAUSE	Call to entry_allocated with wrong entry number, or call to get_next_allocated_entry with a bad start number, or call to get_next_allocated_entry and entry not found.
	ACTION	Take a system dump.

82	MESSAGE	The allocated entry list does not exist.
	CAUSE	Call to entry_allocated, but tbl_allocated_list not in header options.
	ACTION	Correct the parameter.

83	MESSAGE	The variable table can not have an allocated list.
	CAUSE	There are bad table creation parameters.
	ACTION	Correct the parameter.

84	MESSAGE	Can not lock the table semaphore.
	CAUSE	An attempt was made to lock the table semaphore while on the Interrupt Control Stack (ICS), or the cb_lock procedure failed, or the wait failed if tbl_dont_lock was used in the header options.
	ACTION	Take a system dump.

85	MESSAGE	Can not mix the allocated list and the variable table.
	CAUSE	There are bad table creation parameters.
	ACTION	Correct the parameters.

86	MESSAGE	Posting requires a permanent object.
	CAUSE	An attempt was made to create a table with the tbl_post_object procedure without also using the tbl_permanent_object procedure.
	ACTION	Correct the parameters.

87	MESSAGE	The PUT WAIT queue requires the table to be locked.
	CAUSE	While in the block_on_resource procedure, the table semaphore was either unlocked or locked by another process.
	ACTION	Take a system dump.

92	MESSAGE	Bad allocated list option.
	CAUSE	Incompatible options were used with the tbl_allocated list.
	ACTION	Correct the parameters.

98	MESSAGE	The variable initial size is not 4-byte aligned.
	CAUSE	There are bad table creation parameters.
	ACTION	Correct the parameters.

99	MESSAGE	The variable increment size is not 4-byte aligned.
	CAUSE	There are bad table creation parameters.
	ACTION	Correct the parameters.

107	MESSAGE	Out of disk space.
	CAUSE	The attempt to expand the table ran out of disk space.
	ACTION	Free up disk space.

79

TermDSM

(TDSM)

15	MESSAGE	You have entered an unknown or incorrect command. Please try again. (TDSM 15)
	CAUSE	You have entered something that is not a TermDSM command or a command that is not valid in this context.
	ACTION	Commands that are valid at this time are listed in the prompt. Please try again. Type HELP or refer to the reference documentation for more information.

16	MESSAGE	TermDSM has compiled without $partial eval$ in effect. It cannot continue. This problem must be fixed at the factory. (TDSM 16)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

17	MESSAGE	Your security level (3) is too low to use TermDSM. Please log on with level 0, 1, or 2 security. (TDSM 17)
	CAUSE	You do not have the correct user capabilities to use TermDSM. For level 0, you need SM capability. For level 1, you need SM or DI capability. For level 2, you need SM or DI or OP capability.
	ACTION	Logon as a user with the correct capabilities for the TermDSM functions you wish to use. Refer to reference documentation for the security levels of each command and subcommand.

18	MESSAGE	You have entered a bad port number. Port numbers range from 0 to 7. (TDSM 18)
	CAUSE	The value you entered is not a number between zero and seven.
	ACTION	Enter a valid port number. Check the port number on the back of the DTC if necessary.

19	MESSAGE	The port number is missing or invalid. Port numbers range from 0 to 7. (TDSM 19)
	CAUSE	The port number was not entered or is unrecognizable.
	ACTION	Enter a valid port number. Refer to the reference documentation for syntax.

20	MESSAGE	You have entered an incorrect ldev number. Ldev numbers are positive integers. (TDSM 20)
	CAUSE	The value that you entered as a logical device number is not a number greater than zero.
	ACTION	Enter a valid ldev number. Note that you can also use the port subcommand.

21	MESSAGE	The ldev number is missing or invalid. Ldev numbers are positive integers. (TDSM 21)
	CAUSE	The logical device number was not entered or is unrecognizable.
	ACTION	Enter a valid ldev number. Note that you can also use the port subcommand.

22	MESSAGE	You have entered an invalid SIC card number. SIC card numbers range from 0 to 5. (TDSM 22)
	CAUSE	The card number that you entered in is not the range zero to five.
	ACTION	Doublecheck the card numbers by looking at the back of the DTC. Enter the card number again.

23	MESSAGE	The SIC card number is missing or invalid. SIC card numbers range from 0 to 5. (TDSM 23)
	CAUSE	The card number was not entered or is unrecognizable.
	ACTION	Enter the card number again. Refer to the prompt or to the reference documentation for syntax.

24	MESSAGE	You have entered an incorrect DTC number. Please choose a DTC number from this list. (TDSM 24)
	CAUSE	The value entered does not correspond with any DTC on the system.
	ACTION	The DTCs on the system are listed with their numbers. Enter one of the numbers displayed.

25	MESSAGE	The DTC number is missing or invalid. Please choose a DTC number from this list. (TDSM 25)
	CAUSE	The DTC number was not entered or is unrecognizable.
	ACTION	The DTCs on the system are listed with their numbers. Enter one of the numbers displayed.

27	MESSAGE	TermDSM cannot do the dump because there are already too many dump files. Please purge some. Dump files are of the form TRMnnnaa.PUB.SYS. where nn is a 3 digit number and aa is 2 alphabetic characters. (TDSM 27)
	CAUSE	The dump files TRMdddAA through TRMdddZZ already exist. (The sequence ddd is the current Julian date.)
	ACTION	Delete some files beginning with the file called TRMdddAA since this is the oldest file. Note that if all files for this Julian date already exist, there are over 600 dump files for today. You can delete most of these files.

32	MESSAGE	Your security level (3) is too low to take dumps. Please log on with level 2 security to dump ports, or level 0 security to dump ports and DTCs. (TDSM 32) For level 1, you need SM or DI capability. For level 2, you need SM or DI or OP capability.
	CAUSE	You do not have the correct user capabilities to use this function.
	ACTION	Log on with level 0, 1, or 2 security. Refer to the reference documentation for the security levels of each command and subcommand.

34	MESSAGE	That ldev does not exist. Please check the ldev number, or dump the associated port instead. (TDSM 34)
	CAUSE	Although you entered a number in a range that could be an ldev number, that ldev number is not configured on the system.
	ACTION	Verify the ldev number by entering the SHOWJOB command. You can also dump information associated with the device by using the PORT subcommand (which uses the physical address instead of the ldev number).

35	MESSAGE	That DTC is owned by another person running TermDSM. You may override that user and continue. (WARNING : This may have unpredictable results. It's safer to find the other user and exit TermDSM. (TDSM 35) Do you want to override the other user (yes or no)?
	CAUSE	More than one person is using TermDSM and directing operations to the same DTC at the same time.
	ACTION	It is permissible for two or more users to run TermDSM simultaneously as long as the users do not reference the same DTC. In this case, message 35 will not appear. If one TermDSM user chooses to override another by continuing, it is likely that the overridden TermDSM will produce error messages. This facility is provided for the case where a terminal running TermDSM is hung and therefore cannot exit the program. Note that if one TermDSM user resets the port of another TermDSM user, this can cause the system to go down.

36	MESSAGE	No ldevs seem to be configured on your system. (TDSM 356)
	CAUSE	Necessary configuration information does not exist on the system.
	ACTION	Make sure the file NMCONFIG.PUB.SYS exists. Bring the system down and back up again, making sure that the proper SYSGEN files are used. (The SYSGEN files used are determined by the boot path. The file NMCONFIG.PUB.SYS is used automatically.) If the problem persists, contact your HP support representative.

37	MESSAGE	The dump process can't find out the length of the data area. (TDSM 37)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

38	MESSAGE	The data area is longer than TermDSM's dump buffer. (TDSM 38)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

39	MESSAGE	TermDSM never received a reply to its dump data area request. (TDSM 39)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

42	MESSAGE	You must have high (1) security to perform this function. For level 1, you need SM or DI capability. (TDSM 42)
	CAUSE	You do not have the correct user capabilities to use this function.
	ACTION	Logon as a user with the correct capabilities for the TermDSM functions you wish to use. Refer to the reference documentation for the security levels of each command and subcommand.

43	MESSAGE	You can't do this from your own DTC. Please run TermDSM from another DTC or from the console. (TDSM 43)
	CAUSE	If you were permitted to selftest, dump, or reset the DTC to which you are logged on, your session would be aborted and you would be unable to get the test results.
	ACTION	Move to a terminal on another DTC or the system console to run TermDSM.

44	MESSAGE	Warning: This will reset all users on that DTC. As many as 48 terminal users could be affected. (TDSM 44)
	CAUSE	If you continue, all user sessions on this DTC will be aborted.
	ACTION	If you want to continue, you should alert all the users that their sessions will be aborted.

56	MESSAGE	Your answer must be at least 1 and no more than 65535. (TDSM 56)
	CAUSE	The value entered is not in the range 1 to 65535.
	ACTION	Enter a value in the range. Diagnostic loop counts are limited to this range.

62	MESSAGE	Use the CCTL option (:FILE LIST;DEV=LP;CCTL) when printing this file. (TDSM 62)
	CAUSE	Informational message.
	ACTION	When printing the dump file, use the CCTL option in the print file equation. This will format the printed output in an organized way. Printed output of dump files will be acceptable if they are not printed with the CCTL option.

64	MESSAGE	The following two files make up the DTC dump. Please deliver both to your HP representative. (TDSM 64)
	CAUSE	Informational message.
	ACTION	Document the problem (the reason you took a dump), and deliver it to your HP support representative along with the dump files, preferably on magnetic tape.

70	MESSAGE	There are no DTCs configured on your system. (TDSM 70)
	CAUSE	Necessary configuration information does not exist on the system.
	ACTION	Check the `NMCONFIG.PUB.SYS` file for proper DTC configuration (using :NMMGR). Bring the system down and back up again. If the problem persists, contact your HP support representative.

71	MESSAGE	There are more DTCs on your system than TermDSM can reference. Here are the ones TermDSM can reference. (TDSM 71)
	CAUSE	You are using more than 32 DTCs on the system. You will not be able to perform any TermDSM functions on any DTCs that are not listed in this message.
	ACTION	Contact your HP support representative.

80	MESSAGE	You can't reset your own port or ldev. Please run TermDSM from a different port or ldev to do this. (TDSM 80)
	CAUSE	Verify the ldev numbers entered. If you want to reset a port, you cannot be logged on to that port; the operation will abort your session.
	ACTION	If you want to reset the port you are using, move to another port or the system console to run TermDSM.

81	MESSAGE	That ldev is unknown (not configured). Please check the ldev number, or use reset port. (TDSM 81)
	CAUSE	Although a number was entered in a range that could be an ldev number, that number is not configured on the system.
	ACTION	Verify the ldev number by entering the `SHOWJOB` command. You can also reset ports by using the `PORT` subcommand (which uses the physical address instead of the ldev number).

82	MESSAGE	You must have high (1) or medium (2) security to do resets, and high (1) security to reset DTCs. (TDSM 82) For level 1, you need SM or DI capability. For level 2, you need SM or DI or OP capability.
	CAUSE	You do not have the correct user capabilities to do this function.
	ACTION	Logon as a user with the correct capabilities for the functions you wish to use. Refer to the reference documentation for the security level of each command and subcommand.

86	MESSAGE	You must have high (1) or medium (2) security to test ports, and high (1) security to selftest DTCs. (TDSM 86) For level 1, you need SM or DI capability. For level 2, you need SM or DI or OP capability.
	CAUSE	You do not have the correct user capabilities to do this function.
	ACTION	Logon as a user with the correct capabilities for the TermDSM functions you wish to use. Use the appropriate reference materials to determine the security level of each command and subcommand.

93	MESSAGE	TermDSM could not open the DTC manager, so the DTC dump could not be obtained. (TDSM 93)
	CAUSE	Internal error, unless another TermDSM was being run against that same DTC and you chose not to override the other user. There is no error in this case.
	ACTION	Contact your HP support representative (if it is an internal error).

110	MESSAGE	You can't test your own port. Please run TermDSM from another port. (TDSM 110)
	CAUSE	Doublecheck the numbers entered. If you wish to test a port, you cannot be logged on to that port; the operation will abort your session and you will be unable to obtain the results of the test.
	ACTION	If you want to test the port to which you are logged on, move to another port or the system console to run TermDSM.

113	MESSAGE	Please put a loopback hood on the port, before answering the "How may times?" question. (TDSM 113)
	CAUSE	The hardware must be present before the diagnostic is run.
	ACTION	Refer to the appropriate TermDSM manual for information on port loopback tests.

114	MESSAGE	Please connect and make ready (power on, remote mode, etc.) a supported terminal, before answering the "How many times?" question. (TDSM 114)
	CAUSE	The hardware must be present before the diagnostic is run.
	ACTION	Refer to the appropriate TermDSM manual for information on terminal loopback tests.

115	MESSAGE	Please connect and make ready (power on, remote mode, etc.) a supported printer (or terminal), before answering the "How many times?" message. (TDSM 115)
	CAUSE	The hardware must be present before the diagnostic is run.
	ACTION	Refer to the appropriate TermDSM manual for information on the port test.

121	MESSAGE	Warning: The LDM dump is suspect. Consecutive dumps did not match. (TDSM 121)
	CAUSE	This message is written to dump files and never appears as an error message to a user. There was activity during the dump process, so part of the dump relating to the Logical Device Manager might be inconsistent with the rest of the dump.
	ACTION	Submit the dump to your HP support representative.

122	MESSAGE	You can't reset your own SIC. Please run TermDSM from another SIC or DTC, or from the console. (TDSM 122)
	CAUSE	Your own session is on this SIC (serial interface card). If you wish to reset a SIC, you cannot be logged onto that card; the operation will abort your session and you will be unable to obtain the results.
	ACTION	Move to a port on a different DTC or SIC, or to the system console, to run TermDSM.

170	MESSAGE	The Distributed Terminal Subsystem software does not exist. Please verify that the NMCONFIG.PUB.SYS file is correct and validated, and the system has booted up without errors. This situation prevents TermDSM from continuing. (TDSM 170)
	CAUSE	The NMCONFIG.PUB.SYS file does not exist, or has no DTCs configured.
	ACTION	Check the NMCONFIG.PUB.SYS file for proper DTC and terminal configurations (using NMMGR), then shutdown and restart the system.
200	MESSAGE	DTC and mainframe software versions are incompatible. (TDSM 200)
	CAUSE	Incompatibilities were found between subsystem software on the HP 3000 and subsystem software on the DTC.
	ACTION	Contact your HP support representative to check the DTCM and download file versions with NMMAINT. If this is not the problem, the cause is an internal error.
201	MESSAGE	Bad message length. (TDSM 201)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.
203	MESSAGE	Invalid operation. (TDSM 203)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.
204	MESSAGE	Request not supported. (TDSM 204)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.
205	MESSAGE	Sub request not supported. (TDSM 205)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

206	MESSAGE	Entity not supported. (TDSM 206)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

207	MESSAGE	No such entity. (TDSM 207)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

208	MESSAGE	No parm for entity. (TDSM 208)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

213	MESSAGE	The DTC reported an error or failure. (TDSM 213)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

218	MESSAGE	End of Record received. Time = xx msec. (TDSM 218)
	CAUSE	Probable hardware failure.
	ACTION	Contact you HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.

219	MESSAGE	Too many characters came back. Time = xx msec. (TDSM 219)
	CAUSE	More characters were returned than were sent. Someone might have pressed a key on the terminal under test, if this was a terminal loopback. Probable hardware failure.
	ACTION	Contact you HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.

220	MESSAGE	Parity error. Time = xx msec. (TDSM 220)
	CAUSE	Probable hardware failure.
	ACTION	Contact you HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.

221	MESSAGE	Hardware receive overrun. Time = xx msec. (TDSM 221)
	CAUSE	Probable hardware failure.
	ACTION	Contact you HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.

222	MESSAGE	Framing error. Time = xx msec. (TDSM 222)
	CAUSE	Probable hardware failure.
	ACTION	Contact you HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.

223	MESSAGE	SIC Buffer overflow. Time = xx msec. (TDSM 223)
	CAUSE	Internal error.
	ACTION	Contact you HP support representative.

226	MESSAGE	No record separator in Vplus. Time = xx msec. (TDSM 226)
	CAUSE	Probable hardware failure.
	ACTION	Contact you HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.

229	MESSAGE	Read timeout (no data came back). Time = xx msec. If external loopback, check loopback hood. If terminal loopback, check connections, terminal configuration, etc. (TDSM 229)
	CAUSE	No or too few characters came back from the loopback.
	ACTION	If this is an internal loopback, this indicates a hardware problem. Contact your HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics. If this is an external loopback, check the loopback hood to verify that it is securely connected and on the correct port. f this is a terminal loopback, verify that a supported, powered on terminal is securely connected to the proper port. Check baud rate, parity, etc. Note that the terminal configuration must match the configuration file, not the state the terminal was in when it was last used. If this does not help, run internal, then external loopback to discriminate between a DTC problem and a terminal/cabling problem.
230	MESSAGE	Alternate end-of-record received. Time = xx msec. (TDSM 230)
	CAUSE	Probable hardware failure.
	ACTION	Contact your HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.
231	MESSAGE	Subsystem break. Time = xx msec. (TDSM 231)
	CAUSE	Probable hardware failure.
	ACTION	Contact you HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.

232	MESSAGE	No modem was connected during the operation. Time = xx msec. (TDSM 232)
	CAUSE	During the test, the modem on that port was disconnected.
	ACTION	Reconnect the modem and try the test again. If the failure continues, or if there was no modem in use on that port, there is a probable hardware failure. Contact your HP support representative. You can obtain additional information by running the card selftest (through the `SIC` subcommand of the TermDSM `RESET` command), the DTC selftest, and the DTC offline diagnostics.

234	MESSAGE	Console attention. Time = xx msec. (TDSM 234)
	CAUSE	Probable hardware failure.
	ACTION	Contact your HP support representative. You can obtain additional information by running the card selftest (through the `SIC` subcommand of the TermDSM `RESET` command), the DTC selftest, and the DTC offline diagnostics.

235	MESSAGE	Operation aborted. (TDSM 235)
	CAUSE	The operation was aborted by the DTC. Possibly, the download file is invalid.
	ACTION	Verify the version and integrity of the download file. Contact your HP support representative. You can obtain additional information by running the DTC selftest DTC selftest or the DTC offline diagnostic.

236	MESSAGE	End of dump file encountered. (TDSM 236)
	CAUSE	The end of the DTC upload (dump) file was encountered when there was still more information to write.
	ACTION	Verify that there is sufficient disc space (approx. 2200 sectors are required). Otherwise, contact your HP support representative.

238	MESSAGE	Security invalid. (TDSM 238)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

239	MESSAGE	Bad packet. (TDSM 239)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

240	MESSAGE	During a DTC reset/dump request from the mainframe. (TDSM 240)
	CAUSE	Informational message which can be printed after an error message. It describes in which phase of an operation the error occurred.
	ACTION	Refer to the cause and action descriptions for the actual error message preceding message 240.

241	MESSAGE	During the DTC download operation. (TDSM 241)
	CAUSE	Informational message which may be printed after an error message. It describes in which phase of an operation the error occurred.
	ACTION	Refer to the cause and action descriptions for the actual error message preceding message 241.

242	MESSAGE	During a DTC upload (dump) operation. (TDSM 242)
	CAUSE	Informational message which may be printed after an error message. It describes in which phase of an operation the error occurred.
	ACTION	Refer to the cause and action descriptions for the actual error message preceding message 242.

243	MESSAGE	Bad parameter from TermDSM. (TDSM 243)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

244	MESSAGE	Timeout waiting for the DTC to respond. The DTC may be powered off, malfunctioning, or misconfigured. (TDSM 244)
	CAUSE	The TermDSM command resulted in an instruction being sent to a DTC, and the DTC did not respond.
	ACTION	Note that the DTC list printed by TermDSM is only a list of the DTCs configured, not a list of installed, powered on, and working DTCs. If the DTC in question was working, and no changes were made to the configuration file, ensure that the DTC is powered on. If so, this error indicates a probable hardware error. Contact your HP support representative. If this is a new installation or DTC, which has never been run before, the above comments can still apply. However, if the configuration is incorrect, a functional DTC might still not respond. Check the configuration file, power to the DTC, connections, etc. If problems persist, contact your HP support representative. This error can also be the result of a LAN problem. If other DTC(s) are working on the same LAN, the problem is probably related to the DTC or its configuration. If there is only one DTC, or other DTCs on the same LAN are unresponsive, then the LAN hardware or software might be at fault. The LAN diagnostic LANDAD can be run to investigate LAN problems.

245	MESSAGE	Write to IEEE 802.3 DAM failed. (TDSM 245)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

247	MESSAGE	Bad Network Management packet received from DTC. (TDSM 247)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

248	MESSAGE	The DTC requested to be downloaded during the operation. (TDSM 248)
	CAUSE	The DTC was trying to power up at the same time you were trying to access it.
	ACTION	Wait for the download, or upload/download, to complete (as shown by the console messages). Verify then that the DTC is operational. If not, contact your HP support representative.

249	MESSAGE	The DTC requested that it be dumped during the operation. (TDSM 249)
	CAUSE	The DTC detected an internal error at the same time you were trying to access it through TermDSM.
	ACTION	Wait for the download, or upload/download, to complete (as shown by the console messages). Then verify if the DTC is operational. If not, contact your HP support representative.

250	MESSAGE	DTC and mainframe software versions are incompatible. (TDSM 250)
	CAUSE	Incompatibilities were found between subsystem software on the HP 3000 and subsystem software on the DTC.
	ACTION	Contact your HP support representative.

251	MESSAGE	Bad RMP packet received from DTC. (TDSM 251)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

252	MESSAGE	Could not open the download or dump file. (TDSM 252)
	CAUSE	Files pertaining to this operation cannot be accessed.
	ACTION	If this is a dump, verify that sufficient disc space exists to create the dump file. Approximately 2200 sectors of disc space is required. If enough disc space is available (or if you were not trying to perform a dump operation), contact your HP support representative.

253	MESSAGE	Unable to get a system timer. (TDSM 253)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

254	MESSAGE	Software bug encountered. (TDSM 254)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

255	MESSAGE	Dump overflow: DTC sent more data than expected. (TDSM 255)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

256	MESSAGE	MPE/XL create object failed. (TDSM 256)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

257	MESSAGE	Unknown internal error. (TDSM 257)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

258	MESSAGE	Application request timeout occurred. (TDSM 258)
	CAUSE	Internal error. This means two users of TermDSM were directing TermDSM commands to the same DTC at the same time, and the other TermDSM user answered "yes" to the override question (see TermDSM message 35). Other error messages are likely to be printed also, because your operations were interrupted. These error messages should be ignored. There is nothing wrong with multiple users of TermDSM running at the same time, as long as they do not try to direct commands to the same DTC at the same time. The message and interlock system of TermDSM message 35 was designed to prevent this conflict.''
	ACTION	Contact your HP support representative.

259	MESSAGE	DTC not opened by this TermDSM. Possibly your TermDSM was overridden by another TermDSM. (TDSM 259)
	CAUSE	Another user of TermDSM has explicitly overridden your use of TermDSM.
	ACTION	Locate and coordinate users of TermDSM. This means two users of TermDSM were directing TermDSM commands to the same DTC at the same time, and the other TermDSM user answered "yes" to the override question (see TermDSM message 35). Other error messages are likely to be printed. These error messages should be ignored. There is nothing wrong with multiple users of TermDSM running at the same time, as long as they do not try to direct commands to the same DTC at the same time. The message and interlock system of message 35 was designed to prevent this conflict.

260	MESSAGE	Bad NMP error code received. (TDSM 260)
	CAUSE	Unknown error reported by the Distributed Terminal Subsystem to TermDSM.
	ACTION	Contact your HP support representative.

261	MESSAGE	Bad RMP error code received. (TDSM 261)
	CAUSE	Unknown error reported by the Distributed Terminal Subsystem to TermDSM.
	ACTION	Contact your HP support representative.

262	MESSAGE	The DTC subsystem has reported that an error was detected. (TDSM 262)
	CAUSE	This is the standard message that precedes specific error messages.
	ACTION	Follow the instructions for the error message that follows this message.

263	MESSAGE	An error of unknown type was reported by the DTS subsystem. (TDSM 263)
	CAUSE	An error unknown to TermDSM was reported by the Distributed Terminal Subsystem.
	ACTION	Contact your HP support representative.

264	MESSAGE	The DTC reported an unknown status as a result of the loopback. Time taken=xx. (TDSM 264)
	CAUSE	An error unknown to TermDSM was reported by the Distributed Terminal Subsystem.
	ACTION	Contact your HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.

270	MESSAGE	The port is malfunctioning, or not present on that SIC. Modem SICs have ports zero to five, and all other SICs have ports zero to seven. (TDSM 270)
	CAUSE	The DTC has reported that the port in question is bad or does not exist.
	ACTION	Note the range of ports in the error message. If you are specified a port that does not exist, verify the information to determine the correct port. For reset and dump, you can specify an ldev number instead of the port to do the operation. If the port does exist, a hardware failure has probably occurred. Contact your HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.
271	MESSAGE	That SIC is malfunctioning, or not installed. TermDSM can not always tell the difference between !!not installed!! and a serious malfunction. (TDSM 271)
	CAUSE	Possible hardware problem or no card is installed in that slot.
	ACTION	Doublecheck that the SIC number you specified is correct. If it is, it is likely that the SIC is defective. Contact you HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.
272	MESSAGE	The operation was aborted because it was reset. (TDSM 272)
	CAUSE	Another TermDSM user reset the operation while in progress.
	ACTION	See message 246 for a discussion of multiple TermDSM operations directed against the same DTC.
273	MESSAGE	The modem on that port disconnected. (TDSM 273)
	CAUSE	The modem on that port was disconnected during the operation.
	ACTION	Reconnect the modem and enter the command again. If there was no modem, then this is an internal problem. Contact you HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.

274	MESSAGE	The DTC reported that an unexpected event occurred. (TDSM 274)
	CAUSE	A user on that terminal might have entered (CTRL) (Y) or pressed (Break).
	ACTION	Try the operation again without touching the keys on the terminal under test. If the is no change, an internal error or hardware failure is indicated. Contact your HP support representative. You can obtain additional information by running the card selftest (through the SIC subcommand of the TermDSM RESET command), the DTC selftest, and the DTC offline diagnostics.

275	MESSAGE	The loopback is too long. (TDSM 275)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

280	MESSAGE	Dump failed. Open of DTCM failed, or DTC owned and not overridden (TDSM 280)
	CAUSE	This message is written to dump files, and never appears as an error message to a user terminal. If the user was informed the DTC was in use by another TermDSM (see message 35), and the second user chose NOT to override, then this message is normal and is not cause for alarm. Otherwise, it is indicative of an internal error.
	ACTION	If the problem persists, take another dump. If you are sure another user was not involved, contact your HP support representative.

281	MESSAGE	Dump failed: Send or Receive of dump request failed. (TDSM 281)
	CAUSE	An internal error. This message is written to dump files and never appears as an error message to a user.
	ACTION	Contact your HP support representative.

282	MESSAGE	Dump failed: Bad function in internal error reply to dump request.(TDSM 282)
	CAUSE	An internal error. This message is written to dump files and never appears as an error message to a user.
	ACTION	Contact your HP support representative.

283	MESSAGE	Dump failed. Bad reply (llio) status from DTCM. (TDSM 283)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

290	MESSAGE	Sorry, TermDSM does not provide services for the console. (TDSM 290)
	CAUSE	The user entered the ldev number of the physical console for a reset or dump. TermDSM cannot act upon the physical console port because it is not on the DTC. TermDSM can only operate on ldev numbers and ports that are on the DTC. Note: The discussion here is for the physical console, not a terminal which has taken control of the logical console via the CONSOLE command.
	ACTION	Contact your HP support representative.

300	MESSAGE	IPC message received in wrong subque. (TDSM 300)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

301	MESSAGE	DTCM port data area not initialized. (TDSM 301)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

302	MESSAGE	Bad machine type found in RMP packet. (TDSM 302)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

303	MESSAGE	Non supported download file type found in RMP packet. (TDSM 303)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

304	MESSAGE	Bad source IEEE 802.3 address found in RMP packet. (TDSM 304)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

305	MESSAGE	Bad session ID found in RMP packet. (TDSM 305)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

306	MESSAGE	Bad path id received from NDM. (TDSM 306)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

307	MESSAGE	Boot (download) complete message received before expected. (TDSM 307)
	CAUSE	It has finished the download of its operating firmware before the DTCM expected it.
	ACTION	Look on the console for a *boot complete* message. Otherwise, enter the command again. If the problem persists, contact your HP support representative.

308	MESSAGE	IO-get-frame failed. (TDSM 308)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

309	MESSAGE	Unimplemented action called. (TDSM 309)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

310	MESSAGE	Bad download file type. (TDSM 310)
	CAUSE	Possible corrupt download file.
	ACTION	Contact your HP support representative.

311	MESSAGE	Bad reply from memory manager for Aux data area. (TDSM 311)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

312	MESSAGE	DCC sent bad reply in response to config. data request. (TDSM 312)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

313	MESSAGE	DTC did not request the configuration to be download. (TDSM 313)
	CAUSE	After a download, the DTC did not request its configuration.
	ACTION	Look at the console for a message saying *configuration complete*. Otherwise, enter the command again. If the problem persists, contact your HP support representative.

314	MESSAGE	DCC did not reply to configuration data request. (TDSM 314)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

315	MESSAGE	Unexpected RMP packet received. (TDSM 315)
	CAUSE	Internal error.
	ACTION	Contact your HP support representative.

316	MESSAGE	DTC unexpectedly requested configuration information to be downloaded. (TDSM 316)
	CAUSE	Internal error. The DTC requested its configuration information at a time the DTCM did not expect it.
	ACTION	Monitor the console for messages saying the configuration is complete. Otherwise, enter the command again. If the problem persists, contact your HP support representative.
	ACTION	Contact your HP support representative.

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Terminal I/O Manager for Logging

(Subsystem 128)

1	MESSAGE	An interface warning occurred.
2	MESSAGE	An interface nonfatal error occurred.
3	MESSAGE	An interface fatal error occurred.
4	MESSAGE	A system call warning occurred.
5	MESSAGE	A system call nonfatal error occurred.
6	MESSAGE	A system call fatal error occurred.
7	MESSAGE	An internal warning occurred.
8	MESSAGE	An internal nonfatal error occurred.
9	MESSAGE	An internal fatal error occurred.
10	MESSAGE	An internal event occurred.
11	MESSAGE	A protocol error occurred.
12	MESSAGE	A hardware warning occurred.
13	MESSAGE	A hardware nonfatal error occurred.

14	MESSAGE	A hardware fatal error occurred.
15	MESSAGE	A backplane fatal error occurred.
16	MESSAGE	A reset message was received.
17	MESSAGE	A DTC log warning occurred.
18	MESSAGE	A DTC log nonfatal error occurred.
19	MESSAGE	A DTC log fatal error occurred.
101	MESSAGE	! code download started for DTC address !
102	MESSAGE	! code download completed for DTC address !
103	MESSAGE	! code download aborted for DTC address !
107	MESSAGE	! upload started for DTC address !
108	MESSAGE	! upload completed for DTC address !
109	MESSAGE	! upload aborted for DTC address !
111	MESSAGE	DTCMxxxxxxxx SNP card upload started for DTC address yyyyyyyyyyyy card z. (DTCMINFO111)
	CAUSE	This informational message indicates that an operation of the SNP card upload starts. For example : The card upload starts on an SNP card in slot 3 of DTC IEEE802.3 address at 0800090035A4, the console message will be : DTCMxxxxxxxx SNP card upload started for DTC address 0800090035A4 card 3.
	ACTION	Wait for the SNP card upload to complete. The SNP card upload completion message will be shown on the console.

112	MESSAGE	DTCMxxxxxxxx SNP card upload completed for DTC address yyyyyyyyyyy card z. (DTCMINFO112)
	CAUSE	This informational message indicates that an operation of the SNP card upload completes. For example : The card upload completes on an SNP card in slot 3 of DTC IEEE802.3 address at 0800090035A4, the console message will be : DTCMxxxxxxxx SNP card upload completed for DTC address 0800090035A4 card 3.
	ACTION	Deliver the SNP dump file to your HP support representative. The SNP dump file name is Sbxxxxxa.PUB.SYS. Where b is the card number in that DTC, xxxxx is the last 5 characters of the IEEE802.3 address of that DTC and a is a charater in the sequense a,b,..z to allow multiple dumps.

113	MESSAGE	DTCMxxxxxxxx SNP card upload aborted for DTC address yyyyyyyyyyy card z (DTCMERR113)
	CAUSE	This error message indicates that an operation of the SNP card upload was aborted by the DTC. A problem occured with the DTC while the SNP card upload were being performed. For example : The card upload was aborted on an SNP card in slot 3 of DTC IEEE802.3 address at 0800090035A4, the console message will be : DTCMxxxxxxxx SNP card upload aborted for DTC address 0800090035A4 card 3.
	ACTION	Contact your HP support representative. You can obtain the additional information by running the card selftest through the Termdsm.

114	MESSAGE	DTCMxxxxxxxx SNP card tracing aborted for DTC address yyyyyyyyyyy card z (DTCMERR114)
	CAUSE	This error message indicates that an operation of the SNP card tracing was aborted. This may be caused by a DTC reset/upload or SNP card reset/upload. For example : The card tracing was aborted on an SNP card in slot 1 of DTC IEEE802.3 address at 080009003544, the console message will be : DTCMxxxxxxxx SNP card tracing aborted for DTC address 080009003544 card 1
	ACTION	Contact with the HP support representative.

115	MESSAGE	DTCMxxxxxxxx MUX card upload started for DTC address yyyyyyyyyyy card z (DTCMINFO115)
	CAUSE	This informational message indicates that an operation of the MUX 68k card upload starts. For example : The card upload starts on a MUX 68k card in slot 2 of DTC IEEE802.3 address at 08000900357D, the console message will be : DTCMxxxxxxxx MUX card upload started for DTC address 08000900357D card 2.
	ACTION	Wait for the MUX 68k card upload to complete. The MUX card upload completion message will be shown on the console.

116	MESSAGE	DTCMxxxxxxxx MUX card upload completed for DTC address yyyyyyyyyyy card z (DTCMINFO116)
	CAUSE	This informational message indicates that an operation of the MUX 68k card upload completes. For example : The card upload completes on a MUX 68k card in slot 2 of DTC IEEE802.3 address at 08000900357D, the console message will be : DTCMxxxxxxxx MUX card upload completed for DTC address 08000900357D card 2
	ACTION	Deliver the MUX 68k dump file to your HP support representative. The dump file name is Mbxxxxxa.PUB.SYS. Where b is the card number in that DTC, xxxxx is the last 5 characters of the IEEE802.3 address of that DTC and a is a charater in the sequense a,b,..z to allow multiple dumps.

117	MESSAGE	DTCMxxxxxxxx MUX card upload aborted for DTC address yyyyyyyyyyy card z (DTCMERR117)
	CAUSE	This error message indicates that an operation of the MUX 68k card upload is aborted by the DTC. A problem occurred with DTC while the MUX card upload were being performed. For example : The card upload is aborted on a MUX 68k card in slot 2 of DTC IEEE802.3 address at 08000900357D, the console message will be : DTCMxxxxxxxx MUX card upload aborted for DTC address 08000900357D card 2
	ACTION	Contact your HP support representative. You can obtain the additional information by running the card selftest through the Termdsm.

118	MESSAGE	Now you must restart the MUX Card by resetting DTC address yyyyyyyyyyy card z (DTCMWARN118)
	CAUSE	This message indicates that the MUX card is not working any more after the MUX 68k upload is completed. Consequently, the user must initiate a MUX reset to reactivate the MUX card.
	ACTION	After the MUX card upload is completed, the user must initiate a MUX card reset by running the host Termdsm to restart the MUX card.

123	MESSAGE	DTCMxxxxxxxx rom code download started for DTC address yyyyyyyyyyy (DTCMINFO123)
	CAUSE	This informational message indicates that a download operation of the rom code for a DTC starts. For example : The rom code download starts on a DTC IEEE802.3 address at 080009280E1C, the console message will be : DTCMxxxxxxxx rom code download started for DTC address 080009280E1C
	ACTION	Wait for the rom code download to complete. The rom code download completion message will be shown on the console.

125	MESSAGE	DTCMxxxxxxxx rom code download aborted for DTC address yyyyyyyyyyy (DTCMERR125)
	CAUSE	This error message indicates that a download operation of the rom code was aborted by the DTC. A problem occured with the DTC while the download of the rom code was being performed.
		For example : The download of the rom code was aborted on the DTC IEEE802.3 address at 080009280E1C, the console message will be : DTCMxxxxxxxx rom code download aborted for DTC address 080009280E1C
	ACTION	The appropriate message with the corrective action will be displayed for the error conditions.

126	MESSAGE	DTCMxxxxxxxx rom code download completed for DTC address yyyyyyyyyyy (DTCMERR126)
	CAUSE	This informational message indicates that a download operation of the rom code completes. For example : The download of the rom code completed on a DTC IEEE802.3 address at 080009280E1C, the console message will be : DTCMxxxxxxxx rom code download completed for DTC address 080009280E1C
	ACTION	The rom code is downloaded to the DTC without any problems, no actions need to be taken.

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Transaction Management

(Subsystem 151)

101	MESSAGE	An escape occurred when using MOVE_FAST.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1001	MESSAGE	An internal error occurred; bad control block has been passed to an internal routine.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1002	MESSAGE	An internal error occurred; key is not in the HASH TABLE.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1003	MESSAGE	An internal error occurred; FILE LABEL was not found.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1004	MESSAGE	An internal error occurred; FILE MAPPING failed.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1005	MESSAGE	The file is not in the directory.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1006	MESSAGE	An internal error occurred; invalid RID.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1007	MESSAGE	The procedure caused a HARD CRASH.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1008	MESSAGE	The procedure returned an invalid CURRENT TRANSACTION ID.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1009	MESSAGE	System DEADLOCK occurred.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1010	MESSAGE	Transaction ID has an ACTIVE SUBTRANSACTION.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1011	MESSAGE	The log is FULL.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1013	MESSAGE	Missing XID.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1014	MESSAGE	RECORD not found in the HASH TABLE.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1015	MESSAGE	The HASH TABLE is FULL.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1016	MESSAGE	The record exists in the HASH TABLE.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1017	MESSAGE	An internal error occurred; Log needs to be OPEN.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1018	MESSAGE	Failure to MAP the log occurred.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1019	MESSAGE	An internal error occurred; failure to add the LOGSET ID in the system log directory.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1020	MESSAGE	No active transaction identifier.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1021	MESSAGE	The file already exists in the system log directory.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1022	MESSAGE	The HASH TABLE size is too big.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1023	MESSAGE	Data goes beyond the end of the file.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1024	MESSAGE	Too many LOGSETS were defined.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1025	MESSAGE	The file is already attached.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1026	MESSAGE	Too many files were attached.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1027	MESSAGE	The log has active transaction on files attached to the log.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1028	MESSAGE	An internal error occurred; the file does not have XM PROPERTY.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1029	MESSAGE	The stack of errors has errors.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1030	MESSAGE	The LOG and the MIRRORLOG are defined in the same volume.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1031	MESSAGE	System failure was requested from TRANSACTIONMODULE.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1032	MESSAGE	The file cannot be attached to any file; the Log must be defined.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1033	MESSAGE	This is an invalid LOCK request.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1034	MESSAGE	The LOCK control data structure cannot be found.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1035	MESSAGE	The LOCK control data structure cannot be found.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1036	MESSAGE	An internal error occurred; invalid LOCK PROMOTION.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1037	MESSAGE	System failure occurred; the LOG LABEL is corrupted.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1038	MESSAGE	LOGSET has active transaction ID's.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1039	MESSAGE	The file is not attached.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1040	MESSAGE	The file is not a user log; the LOG needs to be defined.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1041	MESSAGE	LOG already exists.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1042	MESSAGE	There are an invalid number of Transaction IDs.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1043	MESSAGE	LOCK RANGE is out of bounds.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1044	MESSAGE	The buffer contains no STRING.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1045	MESSAGE	Missing MIRROR LOG file name.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1046	MESSAGE	Missing MIRROR LOG file name.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1047	MESSAGE	Missing LOG VOLUME name.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1048	MESSAGE	Missing MIRROR FILE NAME length.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1049	MESSAGE	Missing LOG VOLUME NAME length.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1050	MESSAGE	Missing USER FILE name.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1051	MESSAGE	Invalid XID.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1052	MESSAGE	Invalid LOCK option.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1053	MESSAGE	Invalid OFFSET.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1054	MESSAGE	Invalid HASH TABLE size.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1055	MESSAGE	Invalid KEY length.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1056	MESSAGE	Invalid offset or length. Offset + length goes beyond EOF.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1057	MESSAGE	Invalid NUMBER OF FIELDS for the HASH TABLE record.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1058	MESSAGE	Invalid procedure name.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1059	MESSAGE	Invalid LOG NAME.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1060	MESSAGE	Invalid MIRROR LOG NAME.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1061	MESSAGE	Invalid access to transaction ID.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1062	MESSAGE	Invalid ACCESS to user STATUS.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1063	MESSAGE	Invalid `LOG VOLUME NAME ACCESS`.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1064	MESSAGE	Invalid `MIRROR VOLUME NAME ACCESS`.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1065	MESSAGE	Invalid `LOG FILE NAME ACCESS`.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1066	MESSAGE	Invalid `MIRROR FILE NAME ACCESS`.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1067	MESSAGE	Invalid `FILE NAME ACCESS`.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1068	MESSAGE	Invalid `VIRTUAL ADDRESS RANGE ACCESS`.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1069	MESSAGE	Invalid `LOCK OPTION ACCESS`.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1070	MESSAGE	Invalid `LOG NAME LENGTH`.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1071	MESSAGE	Invalid MIRROR LOG NAME LENGTH.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1072	MESSAGE	Invalid LOG VOLUME NAME LENGTH.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1073	MESSAGE	Invalid FILE NAME LENGTH.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1074	MESSAGE	The PIN is not in the HASH TABLE.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1075	MESSAGE	The transaction ID is not in the HASH TABLE.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1076	MESSAGE	Invalid TRANSACTION TYPE.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1077	MESSAGE	It is not MIRROR LOG OF THE LOG.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1078	MESSAGE	Invalid buffer length.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

1079	MESSAGE	Invalid LOG SIZE.
	CAUSE	Internal error.
	ACTION	Call your Hewlett-Packard Representative.

2200	MESSAGE	A transaction lasted for longer than two XM log checkpoints.
	CAUSE	Transaction had either a blocked semaphore or a disc fill took too long.
	ACTION	Call your Hewlett-Packard Representative.

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Traps

(Subsystem 200)

1	MESSAGE	**** Check true/false trap (TRAPS 1).
	CAUSE	Size error on exponentiationin COBOL/XL program.
	ACTION	Add size error clause.

7	MESSAGE	**** 3000 mode packed decimal error. (TRAPS 7).
	CAUSE	Error detected by 3000 mode packed decimal procedure.
	ACTION	Correct the input to these routines.

8	MESSAGE	**** Paragraph stack overflow (TRAPS 8).
	CAUSE	Recursive performance or invalid exiting of a paragraph.
	ACTION	Correct the procedure.

9	MESSAGE	**** Unimplemented condition trap (TRAPS 9).
	CAUSE	Unknown trapping execution instruction executed.
	ACTION	Change the instruction.

10	MESSAGE	**** Misaligned or long-to-short pointer conversion error (TRAPS 10).
	CAUSE	Software detected misaligned pointer or pointer conversion error.
	ACTION	Correct the procedure.

11	MESSAGE	**** Nil pointer (TRAPS 11).
	CAUSE	Software detected nil pointer reference.
	ACTION	Correct the procedure.

12	MESSAGE	**** Bound violation or range error (TRAPS 12).
	CAUSE	Value not within specified bounds.
	ACTION	Correct the procedure.

13	MESSAGE	**** IEEE invalid operation (TRAPS 13).
	CAUSE	Attempted operation is not legal in IEEE format.
	ACTION	Correct the procedure.

14	MESSAGE	**** IEEE divide by zero (TRAPS 14).
	CAUSE	Attempted to divide by zero in IEEE format.
	ACTION	Correct the procedure, or disable IEEE overflow trap.

15	MESSAGE	**** IEEE overflow (TRAPS 15).
	CAUSE	Attempted operation resulted in an overflow in IEEE format.
	ACTION	Correct the procedure, or disable IEEE overflow trap.

16	MESSAGE	**** IEEE underflow (TRAPS 16).
	CAUSE	Attempted operation resulted in an underflow in IEEE format.
	ACTION	Change the procedure or disable IEEE underflow trap.

17	MESSAGE	**** IEEE inexact result (TRAPS 17).
	CAUSE	Attempted operation resulted in an inexact result in IEEE format.
	ACTION	Correct the procedure or disable inexact result trap.

18	MESSAGE	**** Decimal divide by zero (TRAPS 18).
	CAUSE	Attempted to divide by zero in decimal format.
	ACTION	Correct the procedure.

21	MESSAGE	**** Invalid decimal digit (TRAPS 21).
	CAUSE	A non-sign, numeric digit was detected in decimal format.
	ACTION	Correct the number.

22	MESSAGE	**** Invalid ASCII digit (TRAPS 22).
	CAUSE	A non-sign, numeric digit was detected in decimal format.
	ACTION	Correct the number.

23	MESSAGE	**** Decimal overflow (TRAPS 23).
	CAUSE	Attempted operation resulted in an overflow in decimal format.
	ACTION	Correct the procedure.

24	MESSAGE	**** 3000 mode double floating point divide by zero (TRAPS 24).
	CAUSE	Attempted to divide by zero in 3000 double floating point format.
	ACTION	Correct the procedure.

25	MESSAGE	**** 3000 mode double floating point underflow (TRAPS 25).
	CAUSE	Attempted operation resulted in an underflow in 3000 double floating point format.
	ACTION	Correct the procedure.

26	MESSAGE	**** 3000 mode double floating point overflow (TRAPS 26).
	CAUSE	Attempted operation resulted in an overflow in 3000 double floating point format.
	ACTION	Correct the procedure.

27	MESSAGE	**** Integer overflow (TRAPS 27).
	CAUSE	Attemtped operation resulted in an overflow in integer format.
	ACTION	Correct the procedure.

28	MESSAGE	**** 3000 mode floating point overflow (TRAPS 28).
	CAUSE	Attemtped operation resulted in an overflow in 3000 floating point format.
	ACTION	Correct the procedure.

29	MESSAGE	**** 3000 mode floating point underflow (TRAPS 29).
	CAUSE	Attempted operation resulted in an underflow in 3000 floating point format.
	ACTION	Correct the procedure.

30	MESSAGE	**** Integer divide by zero (TRAPS 30).
	CAUSE	Attempt to divide by zero in integer format.
	ACTION	Correct the procedure.

31	MESSAGE	**** 3000 mode floating point divide by zero (TRAPS 31).
	CAUSE	Attempt to divide by zero in 3000 floating point format.
	ACTION	Correct the procedure.

50	MESSAGE	**** Escape executed without enclosing Try (TRAPS 50).
	CAUSE	Program attempted an escape without an executed TRY statement in Pascal/XL.
	ACTION	Change the program.

51	MESSAGE	**** Check true/false trap (TRAPS 51).
	CAUSE	An assertion failed.
	ACTION	Change the procedure.

56	MESSAGE	**** Illegal instruction address (TRAPS 56).
	CAUSE	Branch to an illegal virtual code address.
	ACTION	Change the procedure.

57	MESSAGE	**** Instruction memory protection (TRAPS 57).
	CAUSE	Invalid access rights or invalid protection ID and the PSW-Pbit is set for an instruction fetch.
	ACTION	Change the procedure.

58	MESSAGE	**** Illegal instruction trap (TRAPS 58).
	CAUSE	An attempt is being made to execute an illegal instruction or to execute a GATEWAY instruction with the PSW B-bit (token branch) set.
	ACTION	Change the procedure.
59	MESSAGE	**** Break instruction trap (TRAPS 59).
	CAUSE	A break instruction was executed.
	ACTION	Change the procedure.
60	MESSAGE	**** Privileged operation trap (TRAPS 60).
	CAUSE	An attempt is being made to execute a privileged instruction without being at the most privileged level (PL=10).
	ACTION	Change the procedure.
61	MESSAGE	**** Privileged register trap (TRAPS 61).
	CAUSE	An attempt is being made to write to a privileged space register or access a privilged control register without being at the most privilege level (PL=0).
	ACTION	Change the procedure.
65	MESSAGE	**** Illegal data address (TRAPS 65).
	CAUSE	Read or Write to an illegal virtual data address.
	ACTION	Change the procedure.
68	MESSAGE	**** Data memory protection trap (TRAPS 68).
	CAUSE	An access rights check or a protection ID check that fails; any load or store instruction with virtual address translation to unaligned data.
	ACTION	Change the procedure.
69	MESSAGE	**** Unknown trap (TRAPS 69).
	CAUSE	Internal error - unknown trap number for message.
	ACTION	Notify your Service Representative.

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TurboIMAGE/XL

TurboIMAGE/XL issues three different types of error messages:

- Schema Processor Error Messages
- Library Procedure Error Messages
- Utility Error Messages

Schema processor error messages result from errors detected during processing of the database schema. The library procedure error messages are returned to the calling program from the library procedures. The utility error messages are caused by errors in execution of the database utility programs.

Schema Processor Error Messages

The Schema Processor accesses three files:

- The text file (DBSTEXT) containing the schema records and Schema Processor commands for processing.
- The list file (DBSLIST) containing the schema listing, if requested, and error messages, if any.
- The root file, if requested, created as a result of an error-free schema.

Any file error which occurs while accessing any of these files causes the Schema Processor to terminate execution. A message indicating the nature of the error is sent to $STDLIST (and to the list file, if the list file is different from $STDLIST).

Schema Processor command errors may occur. They neither cause termination nor do they prohibit the creation of a root file. In some cases, however, the resultant root file will differ from what might have occurred had the commands been error free. Command errors are added to an error count which, if it exceeds a limit, will cause the Schema Processor to terminate execution.

Note that if the LIST option is active, error messages for command errors and syntax errors appear in the list file following the offending statement. If the NOLIST option is active, only the offending statement, followed by the error message, is listed.

Schema Processor File Errors

Various file error messages are listed in this section. Each such message is preceded by the character string:

```
****** FILE ERROR ******
```

Additionally, the Schema Processor prints a standard MPE/iX file information display on the $STDLIST file.

MESSAGE	READ ERROR ON *file name*
CAUSE	FREAD error occurred on the specified file.
ACTION	Check text file or :FILE command.

MESSAGE	FILE ALREADY EXISTS; UNABLE TO CLOSE *file name*
CAUSE	FCLOSE error occurred on specified file. May be caused by duplicate file in group with same name as root file.
ACTION	Change database name or purge file of same name. Or, be sure correct file and file name used. Check :FILE commands used. If other cause, consult *MPE/iX Intrinsics Manual* (32650-90028) for similar message.

MESSAGE	UNABLE TO USE *file name*
CAUSE	Specified file cannot be FOPENed or its characteristics make it unsuitable for its intended use.
ACTION	Change database name or purge file of same name. Or, be sure correct file and file name used. Check :FILE commands used. If other cause, consult *MPE/iX Intrinsics Manual* (32650-90028) for similar message.

MESSAGE	UNABLE TO WRITE LABEL OF *file name*
CAUSE	FWRITELABEL error occurred on specified file.
ACTION	Change database name or purge file of same name. Or, be sure correct file and file name used. Check :FILE commands used. If other cause, consult *MPE/iX Intrinsics Manual* (32650-90028) for similar message.

MESSAGE	UNEXPECTED END-OF-FILE ON *file name*
CAUSE	Call to FREAD or FWRITE on specified file has yielded unexpected end of file condition.
ACTION	Change database name or purge file of same name. Or, be sure correct file and file name used. Check :FILE commands used. If other cause, consult *MPE/iX Intrinsics Manual* (32650-90028) for similar message.

MESSAGE	WRITE ERROR ON *file name*
CAUSE	FWRITE error occurred on the specified file.
ACTION	Change database name or purge file of same name. Or, be sure correct file and file name used. Check :FILE commands used. If other cause, consult *MPE/iX Intrinsics Manual* (32650-90028) for similar message.

Schema Processor Command Errors

Various Schema Processor command error messages are listed in this section. Each such message is preceded by the character string:

```
***** ERROR ******
```

MESSAGE	COMMAND CONTINUATION NOT FOUND
CAUSE	If the schema processor command is continued to the next record, the last non-blank character of the preceding line must be an ampersand (&) and the continuation record must start with a dollar sign ($).
ACTION	Examine the schema text file to find any incorrect commands. Edit the text file and run the Schema Processor again.

MESSAGE	COUNT HAS BAD FORMAT
CAUSE	The numbers in ERRORS, LINES, or BLOCKMAX parameters of the $CONTROL command are not properly formatted integer values.
ACTION	Examine the schema text file to find any incorrect commands. Edit the text file and run the Schema Processor again.

MESSAGE	ILLEGAL COMMAND
CAUSE	The Schema Processor does not recognize the command. Valid commands are $PAGE, $TITLE, and $CONTROL.
ACTION	Examine the schema text file to find any incorrect commands. Edit the text file and run the Schema Processor again.

MESSAGE	IMPROPER COMMAND PARAMETER
CAUSE	One of the commands in the parameter is not valid.
ACTION	Examine the schema text file to find any incorrect commands. Edit the text file and run the Schema Processor again.

MESSAGE	MISSING QUOTATION MARK
CAUSE	Character string specified in $PAGE or $TITLE command must be bracketed by quotation marks (").
ACTION	Examine the schema text file to find any incorrect commands. Edit the text file and run the Schema Processor again.

MESSAGE	SPECIFIED TITLE IS TOO LONG
CAUSE	Character string in $TITLE or $PAGE command exceeds 104 characters.
ACTION	Examine the schema text file to find any incorrect commands. Edit the text file and run the Schema Processor again.

Schema Syntax Errors

Database definition syntax errors may be detected by the Schema Processor. Their existence does not cause termination but does prohibit root file creation. Discovery of one may trigger others which disappear after the first is corrected. Also, detection of one may preclude detection of others which appear after the first is corrected. Syntax errors are also added to an error count which, if excessive, will cause Schema Processor termination.

Various syntax error messages are listed in this section. As with command errors, each syntax error is preceded by the character string:

```
***** ERROR ******
```

MESSAGE	AUTOMATIC MASTER DATA SET MUST HAVE SEARCH ITEM ONLY
CAUSE	Automatic master data sets must contain entries with only one data item. The data item must be a key item.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD CAPACITY OR TERMINATOR
CAUSE	Either the number in the CAPACITY: statement is not an integer between 1 and 2 −1, or a semicolon is missing.
ACTION	Examine the schema *text file* to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD CHARACTER IN USER CLASS NUMBER
CAUSE	User class number in password is not an integer from 1 to 63.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD DATA BASE NAME OR TERMINATOR
CAUSE	Database name in BEGIN DATA BASE statement is not a valid database name beginning with an alphabetic character and having up to 6 alphanumeric characters. Or, the name is not followed by a semicolon (;).
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD DATA SET TYPE
CAUSE	The data set type designator is not AUTOMATIC (or A), MANUAL (or M), or DETAIL (or D).
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD DEVICE CLASS NAME
CAUSE	The device class name specified contains an invalid character. The name must be less than eight characters and begin with a letter.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD DEVICE CLASS NAME OR TERMINATOR
CAUSE	The device class name specified contains an invalid character or was not ended with a semicolon ";".
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD LANGUAGE
CAUSE	Language name contains invalid characters, or the language number is not a valid integer.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD PATH CONTROL PART DELIMITER
CAUSE	Data item defined as sort item in detail data set is not properly delimited with parentheses ().
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD PATH COUNT OR TERMINATOR
CAUSE	The path count in the master data set definition is not an integer from 1 to 16 (for an automatic master), or 0 to 16 (for a manual master). This message may also mean the path count is not followed by a quotation mark (").
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD PATH SPECIFICATION DELIMITER
CAUSE	Name of master data set following search item name in detail data set definition is not followed by a right parenthesis ")", or by a sort item name in parentheses.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD READ CLASS OR TERMINATOR
CAUSE	Read user class number defined for either a data set or data item is not an integer from 0 to 63, or it is not terminated by a comma (,) or slash (/).
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD SET NAME OR TERMINATOR
CAUSE	The data set name does not conform to naming rules. (Names must start with a letter and may have up to 16 alphanumeric characters including + − * / ? ' # % & @.) Or the data set name is not terminated by the correct character for the context in which it appears.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD SUBITEM COUNT OR TERMINATOR
CAUSE	Subitem count for a data item defined in schema item part is not an integer from 1 to 255.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD SUBITEM LENGTH OR TERMINATOR
CAUSE	Subitem length for data item defined in schema item is not an integer from 1 to 255.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD TERMINATOR-';' EXPECTED
CAUSE	Password or capacity was not followed by a semicolon.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD TERMINATOR- ';' OR ',' EXPECTED
CAUSE	Items within an entry definition must be separated from each other with commas and terminated with a semicolon.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD TYPE DESIGNATOR
CAUSE	Data item defined in schema item part is not defined as type I, J, K, R, U, X, Z, or P.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	BAD WRITE CLASS OR TERMINATOR
CAUSE	Write user class number shown for the data set or data item is not an integer from 0 to 63, or it is not terminated by a right parenthesis ")" or comma.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	'CAPACITY:' EXPECTED
CAUSE	CAPACITY statement must follow entry definition in the definition of data sets in the set part of schema.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	DATA BASE HAS NO DATA SETS
CAUSE	No data sets were defined in the set part of schema. The database must contain at least one data set.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	DATA BASE NAME TOO LONG
CAUSE	Database name has more than six characters.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	DUPLICATE ITEM SPECIFIED
CAUSE	The same data item name was used more than once in the entry definition of data sets.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	DUPLICATE SET NAME
CAUSE	The same data set name was used to define more than one data set in the set part of schema.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	'ENTRY:' EXPECTED
CAUSE	Each set defined in the set part of schema must contain ENTRY: statement followed by the data item names of the data items in entry.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	ENTRY TOO BIG
CAUSE	The number and size of the data items defined for an entry makes an entry too big for maximum block size. The block size is specified by $CONTROL, or BLOCKMAX= command, or default.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	ENTRY TOO SMALL
CAUSE	A detail data set that is not linked to any master data set must have a data entry length of two or more halfwords. This length is determined by adding the size in halfwords of each data item defined in the data entry.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	ILLEGAL ITEM NAME OR TERMINATOR
CAUSE	The data item name does not conform to naming rules. (Names must start with a letter and may have up to 16 alphanumeric characters including + − ? / # $ & * @). Or if in the item part, it is not followed by a comma.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	ILLEGAL USER CLASS NUMBER
CAUSE	User class number defined in schema password part is not an integer between 1 and 63.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	ITEM TOO LONG
CAUSE	The length of a single data item may not exceed 2047 halfwords.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	'LANGUAGE:' EXPECTED
CAUSE	The Schema Processor expected to find a LANGUAGE statement after the comma following the BEGIN DATA BASE name statement.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	LANGUAGE NOT SUPPORTED
CAUSE	Language specified is not supported on your system, or is not a valid language.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	MASTER DATA SET LACKS EXPECTED DETAIL(S)
CAUSE	Master data set was defined with a non-zero data count, but the number of detail search items which back-referenced the master is less than the value of the path count.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	MASTER DATA SET LACKS KEY ITEM
CAUSE	A master data set was defined without defining one of the data items in the set as a key item.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	MORE THAN ONE KEY ITEM
CAUSE	A master data set cannot be defined with more than one key item.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	MORE THAN ONE PRIMARY MASTER
CAUSE	User has defined more than one primary path for a detail data set.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	'NAME:' OR 'END.' EXPECTED
CAUSE	Schema Processor expected, at this point, to find the beginning of another data set definition, or the end of schema.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	NATIVE LANGUAGE SUPPORT ERROR
CAUSE	NLS/3000 returned an error.
ACTION	Notify the system manager

MESSAGE	'PASSWORDS:' NOT FOUND
CAUSE	'PASSWORDS:' statement must immediately follow the BEGIN DATA BASE statement in schema. If it does not, DBSCHEMA terminates execution.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	PASSWORD TOO LONG
CAUSE	A password defined in data schema cannot exceed eight characters.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	REFERENCED SET NOT MASTER
CAUSE	The data set referenced by the detail data set search item is another detail data set instead of a master data set.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	SCHEMA PROCESSOR LACKS NEEDED TABLE SPACE
CAUSE	Schema Processor is unable to expand its data stack to accommodate all of the translated information which will make up the root file. It continues to scan the schema for the proper form, but will not perform all of the checks for correctness nor will it create a root file. To process the schema correctly, the operating system must be configured with a larger maximum stack size.
ACTION	Ask system manager to increase maximum stack size.

MESSAGE	SEARCH OR KEY ITEM NOT SIMPLE
CAUSE	All data items defined in data schema as key or search items must be simple items.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	SEARCH AND KEY ITEMS NOT OF SAME LENGTH
CAUSE	Master key item must be the same length as any related detail data set search item.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	SEARCH AND KEY ITEMS NOT OF SAME TYPE
CAUSE	Master key item must be of the same type as any related detail data set search item.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	SET HAS NO PATHS AVAILABLE
CAUSE	More detail data set search items have specified a relationship with a master data set than the number specified in the master set's path count.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	SORT ITEM OF BAD TYPE
CAUSE	Data item defined as sort item must be of type U, K, or X.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	SORT ITEM NOT IN DATA SET
CAUSE	Detail data set's entry definition does not include an item which is specified as a sort item for another item in the entry.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	SORT ITEM SAME AS SEARCH ITEM
CAUSE	The same item cannot be both a search and a sort item for the same path.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	TOO MANY DATA ITEMS
CAUSE	The item part of schema cannot have more than 1023 data item names
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	TOO MANY DATA SETS
CAUSE	The database cannot have more than 199 data sets.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	TOO MANY ERRORS
CAUSE	The specified or default number of errors has been exceeded. Processing is terminated.
ACTION	Correct the errors, or increase the ERROR parameter value.

MESSAGE	TOO MANY ITEMS SPECIFIED
CAUSE	The data set entry cannot have more than 255 data items.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	TOO MANY PATHS IN DATA SET
CAUSE	Detail data set entries cannot have more than 16 search items.
ACTION	Examine the schema text file to find the error and edit the file. Run the Schema Processor again.

MESSAGE	UNDEFINED ITEM REFERENCED
CAUSE	A data item appearing in the data set definition was not previously defined in the item part of schema.
ACTION	Examine the schema text file and find the incorrect statement. Edit it and run the Schema Processor again.

MESSAGE	UNDEFINED SET REFERENCED
CAUSE	Master data set referenced by detail search item was not previously defined in the set part of schema.
ACTION	Examine the schema text file and find the incorrect statement. Edit it and run the Schema Processor again.

Library Procedure Error Messages

The success of each call to a TurboIMAGE/XL library procedure is reflected upon return to the user by the condition code and the value of the return status in the first element of the status area.

If the procedure fails to execute properly, the condition code is set to CCL (Condition Code Less) and the return status is a negative integer. In this section, "Library Procedure File System and Memory Management" describes the negative integers resulting from file system and memory management failures, while "Library Procedure Calling Errors" describes the negative integers resulting from calling errors and communications errors respectively.

If the procedure operates properly but encounters an exceptional condition, such as end-of-file, the condition code is set to CCG (Condition Code Greater) and the return status is a positive integer. "Library Procedure Exceptional Conditions" describes the positive integers resulting from exceptional conditions. If the procedure operates properly and normally, the condition code is set to CCE (Condition Code Equal) and the return status is zero.

In addition to the return status, all TurboIMAGE/XL library procedures put information about the procedure call into the fifth through tenth elements of the status area. This information may be useful in debugging your programs, because it describes the conditions under which the particular results were obtained. This information is used by DBEXPLAIN and DBERROR when they are interpreting the results of TurboIMAGE/XL calls.

In a few cases this information is not returned by the TurboIMAGE/XL procedure because it uses the same locations in the status area for returning other data. Specifically, successful execution of DBFIND, DBGET, DBUPDATE, DBPUT, or DBDELETE puts other information here as described in Chapter 5 of this manual. For all other returns from a library procedure, the specified elements of the status area have the following contents:

Status Area Changes for Native Applications

ELEMENT	TurboIMAGE/V and Compatibility Mode	TurboIMAGE/XL
5	PB-relative address of the caller.	0
6	Bits 6–15: Intrinsic number of called library procedure. Bits 0–3: Zero or access mode in which database is opened.	No change.
7	16-bit address of the database.	First 16 bits of the database address.
8	16-bit address of the data set name or qualifier.	Second 16 bits of database address.
9	Value of the mode parameter.	No change.
10	PB-relative address of the library procedure or the Compatibility Mode switch stub.	0

Abort Conditions

In general, four types of error conditions can cause TurboIMAGE/XL to abort the calling process:

1. A call from a Compatibility Mode user process with the hardware DB register not pointing to the process stack.

2. A faulty calling sequence.

3. An internal error in an MPE/iX file intrinsic which the calling procedure cannot correct.

4. An internal inconsistency in the database or the DBG, DBB, or DBU discovered by a library procedure.

In case 1, the procedure prints the standard MPE/iX run-time abort message. In cases 2, 3, and 4, TurboIMAGE/XL prints additional information on the standard list device about the error prior to printing the standard MPE/iX abort message. The first line of this information is:

> `ABORT:` *procedure name* `ON DATABASE` *name;*

where *procedure name* is the name of the library procedure which caused the abort and *name* is the name of the database being accessed at the time of the abort. "Library Procedure Abort Condition Messages" describes additional lines of information which may appear prior to the standard MPE/iX abort message.

Some of the abort conditions are due to an error in one of the MPE/iX file intrinsics FOPEN, FREADLABEL, FREADDIR, FWRITELABEL, FWRITEDIR, or FCLOSE. Aborts of this type generally occur after the procedure has possibly altered the database so that the database structure has been damaged in some way. Each of the messages in the section entitled "Library Procedure Abort Condition Messages," which refer to a TurboIMAGE/XL data file, are followed by an MPE/iX file information display listing all of the characteristics of the MPE/iX data set or root file where the error occurred, along with an MPE/iX error number.

I and J Files

When TurboIMAGE/XL detects an internal inconsistency or other abnormal situation, it may create special "I" and "J" files before it terminates. The "I" file consists of the user's stack and procedure call trace markers; the "J" file consists of the TurboIMAGE/XL database control blocks. TurboIMAGE/XL only creates these "I" and "J" files if a database user has run DBUTIL and specified ENABLE FOR DUMPING. So, if you want "I" and "J" files, you must specifically request them through this DBUTIL command. Note that "I" and "J" files are useful for debugging only if the database is known to be structurally sound.

Library Procedure File System and Memory Management

For return status values -1 through -6, the second element of the calling program's status area is the data set number for which file error occurred (zero indicates root file). The third element is MPE/iX failure code returned by FCHECK intrinsic. Refer to MPE/iX documentation for meaning of this code.

-1	MESSAGE	MPE file error *nn* returned by FOPEN on root file or data set *nn*
	CAUSE	For DBOPEN, error may indicate that database could not be opened. Possible reasons:

■ Database name string not terminated with semicolon or blank.

■ Database does not exist or is secured against access by its group or account security.

■ Database is already opened exclusively or in mode incompatible with requested mode.

■ MPE/iX file system error occurred.

■ MPE/iX file system limit has been reached.

For DBOPEN, DBINFO, DBFIND, DBGET, DBUPDATE, DBPUT, and DBDELETE, error may occur if:

■ The process has too many files open external to the database.

■ Data set does not exist or is secured against access.

■ Some other MPE/iX file system error has occurred.

	ACTION	Determine which of probable causes applies and either modify application program or see system manager about file system error.

-2	MESSAGE	MPE file error *nn* returned by FCLOSE on root file or data set *nn*
	CAUSE	This is an exceptional error (should never happen) and is returned only by DBOPEN or DBCLOSE. Indicates a hardware or system software failure.
	ACTION	Notify system manager of error.

-3	MESSAGE	MPE file error *nn* returned by FREADDIR on root file or data set *nn*
	CAUSE	This is an exceptional error (as -2 above) and is returned by DBOPEN, DBFIND, DBGET, DBUPDATE, DBPUT, DBDELETE.
	ACTION	Notify system manager of error.

-4	MESSAGE	MPE file error *nn* returned by FREADLABEL on root file or data set *nn*
	CAUSE	This is an exceptional error (as -2 above) and is returned by DBOPEN, DBINFO, DBFIND, DBGET, DBUPDATE, DBPUT, DBDELETE.
	ACTION	Notify system manager of error.

-5	MESSAGE	MPE file error *nn* returned by FWRITEDIR on root file or data set *nn*
	CAUSE	This exceptional condition could be returned when DBPUT, DBDELETE, DBUPDATE, or DBCLOSE calls FWRITEDIR.
	ACTION	Notify system manager of error.

-6	MESSAGE	MPE file error *nn* returned by FWRITELABEL on root file or data set *nn*
	CAUSE	This exceptional condition could be returned when DBPUT, DBDELETE, or DBCLOSE calls FWRITELABEL.
	ACTION	Notify system manager of error.

-8	MESSAGE	MPE file error *nn* returned by FUNLOCK on root file
	CAUSE	This exceptional condition could be returned when DBOPENN calls FUNLOCK on a remote database-access file.
	ACTION	Notify system manager of error.

-9	MESSAGE	Cannot create *control block name*: MPE error %*nn*
	CAUSE	This is an exceptional error returned when DBOPEN fails to call HPFOPEN to create a control block.
	ACTION	Notify system manager or HP support personnel.

-10	MESSAGE	MPE file error %*nn* returned by FFILEINFO on root file or data set *nn*
	CAUSE	This is an exceptional error returned when DBOPEN fails to call FFILEINFO on the root file.
	ACTION	Notify system manager or HP support personnel.

Library Procedure Calling Errors

-11	MESSAGE	Bad *base* reference
	CAUSE	For DBOPEN, the first two characters in *base* are not blank, or database name contains special characters other than period. For all other procedures, either first two characters in *base* do not contain the value assigned by DBOPEN or the parameters passed to the procedure are incorrect in type, sequence, or quantity.
	ACTION	Check application program's procedure call. Correct error in call.

-12	MESSAGE	*intrinsic name* called without covering lock in effect (or see below)
	CAUSE	For DBUPDATE, DBPUT, and DBDELETE, database has been opened in DBOPEN mode 1 but there is no lock to cover entry. DBPUT or DBDELETE to master requires data set or database be locked. In all other cases, entry, set, or database can be locked.
	ACTION	Modify program to apply proper lock or change mode.

-12	MESSAGE	Database must be in logon group and account (or see above)
	CAUSE	For DBOPEN, when the database has been opened in access mode 2, the database has to be in the user's logon group and account.
	ACTION	Retry call to DBOPEN from group and account containing database.

-13	MESSAGE	Not allowed; must be creator of root file or data base
	CAUSE	DBOPEN failed because the caller is not the creator of the database and no maintenance word is specified.
	ACTION	Supply the correct maintenance word and retry call to DBOPEN.

-14	MESSAGE	Illegal intrinsic in current access mode
	CAUSE	DBPUT and DBDELETE cannot be used with DBOPEN mode 2, 5, 6, 7, or 8. DBUPDATE cannot be used with DBOPEN mode 5, 6, 7, or 8.
	ACTION	Modify program or notify current user that operation cannot be performed.

-15	MESSAGE	Setup for RDBA failed
	CAUSE	DBOPEN will issue a DSLINE command and a REMOTE HELLO on behalf of the user if a DBA file is being used for RDBA. One of these commands failed.
	ACTION	Check your DBA file to make sure the DSLINE and REMOTE HELLO commands are correct.

-21	MESSAGE	Bad password (or see below)
	CAUSE	For DBOPEN, user class granted does not permit access to any data in database. This is usually due to an incorrect or null password or maintenance word.
	ACTION	Supply correct password and/or maintenance word.

-21	MESSAGE	Bad data set reference (or see below)
	CAUSE	For DBINFO (modes 104, 201, 202, 301, and 302), DBCLOSE, DBFIND, DBGET, DBUPDATE, DBPUT, DBDELETE, when data set reference is: ▪ Numeric but out of range of the number of data sets in database ▪ An erroneous data set name ▪ A reference to data set which is inaccessible to user class established when database opened For DBFIND, this error is also returned if referenced data set is a master. Erroneous data set name may arise when a terminating semicolon or blank is omitted.
	ACTION	Check application program's procedure call. Correct error in call.

| -21 | MESSAGE | Bad data item reference (or see above) |
| | CAUSE | For DBINFO (modes 101, 102, and 204), data item reference is: |

- Numeric but out of range of the number of data items in database

- An erroneous data item name

- A reference to data item which is inaccessible to user class established when database opened.

An erroneous data item name may arise when a terminating semicolon or blank is omitted.

| | ACTION | Check application program's procedure call. Correct error in call. |

-22	MESSAGE	Maintenance word required
	CAUSE	For DBOPEN, maintenance word is required for non-creator to access the database.
	ACTION	Supply the correct maintenance word.

-23	MESSAGE	Data set not writable
	CAUSE	For DBPUT and DBDELETE, database has been opened in DBOPEN mode 1, 3, or 4 and user has read but not write access to the referenced data set.
	ACTION	Modify access mode set in procedure call or notify current user operation cannot be performed.

-24	MESSAGE	Operation not allowed on automatic master data set
	CAUSE	For DBPUT, the referenced data set is an automatic master.
	ACTION	Modify data set name in call or in data set type in schema.

-30	MESSAGE	ILR enabled and bad access
	CAUSE	The database has been ported from MPE V with ILR enabled. The only allowable access to the database is DBOPEN, mode 1–8, or DBUTIL to disable ILR.
	ACTION	Open the database with mode 1–8 or disable ILR.

-31	MESSAGE	Bad *mode*
	CAUSE	This error occurs in all procedures when the *mode* parameter is invalid. For DBGET, *mode* is 7 or 8 and referenced data set is a detail, or *mode* is 5 or 6 and referenced data set is a detail without search items.
	ACTION	Correct mode in procedure call.

-32	MESSAGE	Unobtainable *mode*
	CAUSE	For DBOPEN, root file cannot be FOPENed with access options (AOPTIONS) required for the specified *mode*. Second element of calling program's status area is required AOPTIONS, and third element is the AOPTIONS granted to DBOPEN by MPE/iX file system.
		This error usually occurs either due to concurrent database access by other users or due to MPE/iX account or group security provisions.
	ACTION	See the *MPE/iX Intrinsics Manual* (32650-90028) for meaning of AOPTIONS values.
		Action depends on program's design. Normally notify user that requested access mode is not available.

-33	MESSAGE	Mode 7 diagnostics not allowed
	CAUSE	For DBGET, mode 7 is not appropriate for diagnostics.
	ACTION	Use a different mode for DBGET when diagnostic item list is in effect.

-51	MESSAGE	Bad *list* length
	CAUSE	For DBGET, DBUPDATE, and DBPUT, the list is too long. This may occur if list is not terminated with a semicolon or blank. It may also occur for otherwise legitimate lists which are too long for TurboIMAGE/XL's work area.
		It will never occur for numeric lists.
	ACTION	Shorter *list* array contents. If necessary, change to numeric list.

-52	MESSAGE	Bad *list* or bad *item*
	CAUSE	For DBGET, DBUPDATE, or DBPUT, the *list* parameter is invalid. *list* either has a bad format or contains a data item reference which:
		■ Is out of range of the number of data items in the database.
		■ References an inaccessible data item.
		■ Duplicates another reference in the list.
		For DBFIND, the *item* parameter contains data item reference which either:
		■ Is out of range of the number of data items in the database.
		■ Is not a search item for referenced data set.
	ACTION	Check procedure call. Correct error in call or parameter.

-53	MESSAGE	Missing search or sort item
	CAUSE	For DBPUT, a search or sort item of referenced data set is not included in *list* parameter.
	ACTION	Check procedure call. Correct error in call or parameter.

-60	MESSAGE	Illegal file equation on root file
	CAUSE	When using a :FILE command with the database name or a database-access file name, only the file designators and DEV= parameters are allowed.
	ACTION	Reenter :FILE command without illegal parameters.

-80	MESSAGE	Output Deferred not allowed with ILR enabled
	CAUSE	DBCONTROL (mode 1) was used to request deferred output, but deferred output cannot be used when ILR is enabled. Output deferred is not initiated.
	ACTION	Do not use deferred output; or run DBUTIL and disable ILR.

-81	MESSAGE	Output Deferred not allowed with ROLLBACK enabled
	CAUSE	DBCONTROL (mode 1) was used to request deferred output, but deferred output cannot be used when ROLLBACK is enabled. Output deferred is not initiated.
	ACTION	Do not use deferred output; or run DBUTIL and disable ROLLBACK.

-90	MESSAGE	Root file bad: unrecognized state: %*octal integer*
	CAUSE	For DBOPEN, this error is returned if the root file is in an unrecognized state. The octal integer represents an ASCII error code.
	ACTION	Restore old copy of the root file for the database.

-91	MESSAGE	Bad root modification level
	CAUSE	For DBOPEN, the software version of the DBOPEN procedure is incompatible with version of Schema Processor which created root file.
	ACTION	Check with system manager that you have correct TurboIMAGE/XL software. If necessary ask HP support personnel about conversion.

-92	MESSAGE	Data base not created
	CAUSE	For DBOPEN, the referenced database has not yet been created and initialized by the DBUTIL program (in CREATE mode).
	ACTION	Run DBUTIL to create database. Try application program again.

-94	MESSAGE	Data base bad - Output deferred; may not be accessed in mode *nn*
	CAUSE	For DBOPEN, referenced database was damaged while being modified in output deferred mode.
	ACTION	Either DBLOAD from backup tape; or DBUNLOAD to ERASE data and then DBLOAD.

-95	MESSAGE	Data base bad - Creation was in process (create again)
	CAUSE	For DBOPEN, database was damaged by a file system failure, system failure, or TurboIMAGE/XL abort while DBUTIL CREATE command was creating the database.
	ACTION	Because database was not created, run DBUTIL CREATE command to create the database.

-96	MESSAGE	Data base bad - Erase was in process (erase again)
	CAUSE	For DBOPEN, database was damaged by a file system failure, system failure, or TurboIMAGE/XL abort while DBUTIL ERASE command was erasing the database.
	ACTION	Because data was not erased, run DBUTIL ERASE command to erase the data from the database.

-97	MESSAGE	Data base bad - ILR enable in process (enable again)
	CAUSE	DBOPEN attempted to open a database but prior disable of ILR was not complete.
	ACTION	Run DBUTIL with DNABLE command to enable ILR.

-98	MESSAGE	Data base bad - ILR disable in process (disable again)
	CAUSE	DBOPEN attempted to open a database, but prior disable of ILR was not complete.
	ACTION	Run DBUTIL with DISABLE command to disable ILR.

Note   Return statuses 100 through 107 are communication errors. For 100 through 102, the third element of calling program's status area is the MPE/IX failure code returned by DSCHECK intrinsics.

-100	MESSAGE	DSOPEN failure
	CAUSE	While executing a DBOPEN, TurboIMAGE/XL has encountered a hardware failure trying to obtain a communications line.
	ACTION	Try opening the database again. If error persists, contact your HP Support Representative.

-101	MESSAGE	DSCLOSE failure
	CAUSE	This is an exceptional error returned by DBOPEN or DBCLOSE. It indicates a hardware or system software failure.
	ACTION	Notify system manager of problem.

-102	MESSAGE	DSWRITE failure
	CAUSE	A line failure has occurred while attempting an operation on a remote database. May be returned by DBOPEN, DBFIND, DBGET, DBPUT, DBUPDATE, DBDELETE, DBLOCK, DBUNLOCK, DBINFO, or DBCLOSE.
	ACTION	Try calling the procedure again. If error persists, notify system manager.

-103	MESSAGE	Remote 3000 stack too small
	CAUSE	Command Interpreter on remote HP 3000 cannot obtain stack space necessary to execute a DBOPEN or DBLOCK.
	ACTION	Ask system manager of remote system to increase available stack size.

-104	MESSAGE	Remote 3000 does not support TurboIMAGE/XL
	CAUSE	This is an exceptional error and is returned by DBOPEN on the remote system.
	ACTION	Notify system manager of problem.

-105	MESSAGE	Remote 3000 cannot create TurboIMAGE control block.
	CAUSE	This is an exceptional error and is returned by DBOPEN on the remote system.
	ACTION	Notify system manager of problem.

-106	MESSAGE	Remote 3000 data inconsistent
	CAUSE	This is an exceptional error returned by same intrinsics as 102 (see message listed earlier in this chapter). It indicates a hardware or system software failure.
	ACTION	Notify system manager of problem.

-107	MESSAGE	NS 3000 or DS 3000 system error.
	CAUSE	This is an exceptional error returned by same intrinsics as 102 (see above). It indicates a hardware or system software failure.
	ACTION	Notify system manager of problem.

-108	MESSAGE	`HPUNLOADCMPROCEDURE call failed.`
	CAUSE	This is an internal error encountered during switching to Compatibility Mode.
	ACTION	Notify HP Support Representative.

-110	MESSAGE	`MPE OPENLOG intrinsic failure`
	CAUSE	OPENLOG returned error number *nn* to DBOPEN. This error may occur following a call to DBOPEN when a database is enabled for logging. Refer to *MPE/iX Intrinsics Manual* (32650-90028) for listing of second values of status array and error messages.
	ACTION	Notify system manager or HP Support Representative.

-111	MESSAGE	`MPE WRITELOG intrinsic failure`
	CAUSE	When a database is enabled for logging, this error may be returned by DBOPEN, DBCLOSE, DBPUT, DBUPDATE, DBDELETE, DBMEMO, DBBEGIN, DBEND.
	ACTION	Notify database administrator.

-112	MESSAGE	`MPE CLOSELOG intrinsic failure`
	CAUSE	When a database is enabled for logging, this error may be returned by DBCLOSE. Or CLOSELOG returned error number *nn* to DBCLOSE.
	ACTION	Notify database administrator.

-113	MESSAGE	`FLUSHLOG returned error number` *nn* `to DBEND`
	CAUSE	User called DBEND in mode 2 to write the logging buffer to disk, but the MPE/iX logging facility returned an error.
	ACTION	Notify your database administrator.

-114	MESSAGE	`ROLLBACK without logging`
	CAUSE	DBOPEN has detected that ROLLBACK is enabled but logging is not.
	ACTION	Notify your database administrator or HP Support Representative.

-121	MESSAGE	Descriptor count error
	CAUSE	DBLOCK detected an error in the descriptor count (first element of qualifier array) in locking mode 5 or 6.
	ACTION	Count must be a positive integer.

-123	MESSAGE	Illegal *relop* in a descriptor
	CAUSE	DBLOCK encountered a *relop* field containing characters other than >=, <=, =⊔ or ⊔=.
	ACTION	Check contents of *qualifier* array.

-124	MESSAGE	Descriptor too short. Must be greater than or equal to 9
	CAUSE	DBLOCK encountered a lock descriptor less than 9 halfwords long.
	ACTION	Check contents of *qualifier* array.

-125	MESSAGE	Bad set name/number
	CAUSE	DBLOCK *qualifier* array contains an invalid data set name or number. (Refer to error -21 for rules.)
	ACTION	Check contents of qualifier array. Be sure names are delimited by semicolon or space if less than 16 bytes long.

-126	MESSAGE	Bad item name/number
	CAUSE	DBLOCK *qualifier* array contains an invalid data item name or number. (Refer to error 21 for rules.)
	ACTION	Check contents of qualifier array. Be sure names are delimited by semicolon or space if less than 16 bytes long.

-127	MESSAGE	Attempt to lock using a compound item
	CAUSE	DBLOCK does not allow compound items in lock descriptors.
	ACTION	Modify locking strategy to lock on a non-compound item.

-128	MESSAGE	Value field too short in a descriptor
	CAUSE	A *value* field in a DBLOCK lock descriptor must be at least as long as the data item for which it is specified.
	ACTION	Check the length of the value field.

-129	MESSAGE	P-type item longer than P28 specified
	CAUSE	DBLOCK does not allow P-type data items longer than 28 in lock descriptors (27 digits plus sign).
	ACTION	Modify locking strategy to lock on a different item.

-130	MESSAGE	Illegal digit in a P-type value
	CAUSE	DBLOCK has encountered a P-type value in a lock descriptor with an invalid packed decimal digit.
	ACTION	Check *qualifier* array contents to determine why data is invalid.

-131	MESSAGE	Lowercase character in type-U value
	CAUSE	DBLOCK has encountered a lowercase character in a type-U value specified in a lock descriptor.
	ACTION	Check *qualifier* array contents to determine why data is invalid.

-132	MESSAGE	Illegal digit in type Z value
	CAUSE	Lock descriptor value specified to DBLOCK contains an invalid zoned decimal digit.
	ACTION	Check *qualifier* array contents to determine why data is invalid.

-133	MESSAGE	Illegal sign in type Z value
	CAUSE	Lock descriptor value specified to DBLOCK contains an invalid zoned decimal sign.
	ACTION	Check *qualifier* array contents to determine why data is invalid.

-134	MESSAGE	Two descriptors conflict
	CAUSE	DBLOCK has detected two lock descriptors in the same call that lock the same or part of the same database entity. (For example, lock on set and database in same request.)
	ACTION	Check *qualifier* array contents for conflicting lock descriptors.

-135	MESSAGE	Second lock without CAP=MR
	CAUSE	A second call to DBLOCK has been made without an intervening DBUNLOCK call and program does not have MR capability.
	ACTION	Read discussion of multiple calls to DBLOCK in Chapter 4 of this manual if you plan to use CAP=MR.

-136	MESSAGE	Descriptor list exceeds 4094 bytes
	CAUSE	DBLOCK allows a maximum length of 4094 bytes for lock descriptor lists (*qualifier* array).
	ACTION	Change *qualifier* array contents so lock descriptor list is shorter.

-151	MESSAGE	Text length greater than 512 bytes
	CAUSE	Returned by DBBEGIN, DBEND, or DBMEMO.
	ACTION	Modify program.

-152	MESSAGE	DBCLOSE called while a transaction is in process; DBBEGIN called while a transaction is in process
	CAUSE	A transaction is in process.
	ACTION	Call DBEND before DBCLOSE. Call DBEND before the next DBBEGIN.

-153	MESSAGE	DBEND called while no transaction in progress
	CAUSE	No DBBEGIN precedes the call to DBEND.
	ACTION	Call DBBEGIN before DBEND.

-160	MESSAGE	ILR log file name conflict
	CAUSE	There is a user file with the same name as the ILR log file name.
	ACTION	Replace the user file with a valid MPE/iX ILR log file.

-161	MESSAGE	Cannot check for an ILR log file conflict: file system error *nn*
	CAUSE	DBUTIL DISABLE command or call to DBOPEN failed to open ILR log file.
	ACTION	Check file system error number.

-166	MESSAGE	Cannot purge ILR log file: file system error *nn*
	CAUSE	DBUTIL DISABLE, PURGE, or ERASE command could not purge an ILR log file because of a file system error.
	ACTION	Check file system error number.

-167	MESSAGE	Cannot begin MPE XL XM transaction: XM error nn
	CAUSE	The logical beginning of an MPE/iX transaction failed. nn is the error number returned.
	ACTION	Notify HP Support Representative.

-168	MESSAGE	Cannot attach n to MPE XL XM: File system error nn
	CAUSE	Data set n could not be "attached" to the MPE/iX transaction recovery mechanism. MPE/iX intrinsic FILEINFO or FLABELINFO failed.
	ACTION	Notify HP Support Representative.

-169	MESSAGE	Invalid mode for XM attach options
	CAUSE	An internal error has occurred.
	ACTION	Notify HP Support Representative.

-170	MESSAGE	Cannot open ILR log file: file system error nn
	CAUSE	DBUTIL DISABLE command or call to DBOPEN was not able to open ILR log file due to file system error.
	ACTION	Check file system error number.

-172	MESSAGE	Cannot read ILR log file: file system error nn
	CAUSE	DBUTIL DISABLE command or call to DBOPEN was not able to read ILR log file due to file system error.
	ACTION	Check file system error number.

-173	MESSAGE	Unable to obtain write access
	CAUSE	DBOPEN has determined that it is necessary to perform ILR. The current user does not have write access to the database.
	ACTION	Have the database opened by a user with write access.

-174	MESSAGE	Bad mode for ILR
	CAUSE	DBOPEN has determined that it is necessary to perform ILR. The database must be opened for writing.
	ACTION	Open the database in mode 1–4.

-175	MESSAGE	Cannot attach n to MPE XL XM: XM error nn
	CAUSE	The data set n could not be "attached" to the transaction recovery mechanism. nn is the MPE/iX error number returned.
	ACTION	Notify HP Support Representative.

-176	MESSAGE	Cannot detach n from MPE XL XM: XM error nn.
	CAUSE	The data set n could not be "detached" from the transaction recovery mechanism. nn is the MPE/iX error number returned.
	ACTION	Notify HP Support Representative.

-177	MESSAGE	MPE log file is not in the same volume set as the database.
	CAUSE	MPE/IX transaction recovery requires that the user log file must reside in the same volume set as the database.
	ACTION	Build the MPE/iX user log file in same volume set as database.
		NOTE: Because all files in a group are in same volume set, :LISTGROUP indicates the volume set where a database resides.

-178	MESSAGE	Cannot detach n from MPE XL XM: file system error nn
	CAUSE	The data set n could not be "detached" from the MPE/iX transaction recovery mechanism. The MPE/iX intrinsic FLABELINFO failed. nn is the file system error number returned.
	ACTION	Notify HP Support Representative.

-179	MESSAGE	Cannot begin MPE XL transaction for attach: XM error nn
	CAUSE	Before "attaching" the entire database to the MPE/iX transaction recovery mechanism, a logical beginning of a transaction is specified. The beginning of the transaction failed. nn is the error number returned.
	ACTION	Notify HP Support Representative.

-180	MESSAGE	ILR log invalid – internal file name does not match root file
	CAUSE	DBUTIL DISABLE command or call to DBOPEN attempted to open ILR log file, but file names inconsistent. Unlikely to occur unless disk corrupted, or TurboIMAGE/XL root file or ILR log file altered by privileged mode user.
	ACTION	Use DBRESTOR to restore database.

-181	MESSAGE	ILR log file invalid - internal group name does not match root file
	CAUSE	DBUTIL DISABLE command or call to DBOPEN attempted to open ILR log file, but group names do not match. (See error −180 for possible cause.)
	ACTION	Use DBRESTOR to restore database.

-182	MESSAGE	ILR log invalid - internal account name does not match root file
	CAUSE	DBUTIL DISABLE command or call to DBOPEN attempted to open ILR log file, but account names do not match. (See error −180 for possible cause.)
	ACTION	Use DBRESTOR to restore database.

-183	MESSAGE	ILR log invalid - internal creation date does not match root file
	CAUSE	DBUTIL DISABLE command or call to DBOPEN was unable to open ILR log file because its creation date was not the same as the creation date of the TurboIMAGE/XL root file. Could be caused by storing the database followed by a partial restore with MPE/iX :RESTORE that excluded either the root file or the ILR log file. If there was an intervening ENABLE or DISABLE, the creation dates will not match and only a partial DBSTORE/DBRESTOR occurred.
	ACTION	To avoid this problem always store database with DBSTORE and restore with DBRESTOR. Using these utilities assures that root file and ILR log file are consistent.

-184	MESSAGE	ILR log invalid - internal last access data access data does not match root file
	CAUSE	DBUTIL DISABLE command or call to DBOPEN was unable to open ILR log file because its last access date does not match the date in the root file. Possibly caused by a store and then a partial restore (using MPE/iX :RESTORE) of database.
	ACTION	Always store database with DBSTORE and restore with DBRESTOR to assure consistent dates in root file and log file.

-187	MESSAGE	ILR is already enabled for this database
	CAUSE	DBUTIL ENABLE command attempted to enable a database for ILR when ILR was already enabled.
	ACTION	Warning only.

-188	MESSAGE	ILR is already disabled for this database
	CAUSE	DBUTIL DISABLE command attempted to disable a database for ILR when ILR was already disabled.
	ACTION	Warning only.

-189	MESSAGE	Cannot begin MPE XL transaction for detach: XM error nn
	CAUSE	Before "detaching" the entire database from the MPE/iX transaction recovery mechanism, a logical ending of a transaction is specified. The ending of the transaction failed. nn is the error number returned.
	ACTION	Notify HP Support Representative.

-190	MESSAGE	Bad DBS
	CAUSE	The Database System Control Block has been corrupted.
	ACTION	Notify HP Support Representative.

-191	MESSAGE	The DBS is full
	CAUSE	DBOPEN has detected that there is no more room in the DBS to hold any more DBG entries.
	ACTION	Notify HP Support Representative.

-192	MESSAGE	Invalid DBU
	CAUSE	The database user local control block has been corrupted.
	ACTION	Notify HP Support Representative.

-193	MESSAGE	DBU control block is full
	CAUSE	The database user local control block is full.
	ACTION	Notify HP Support Representative.

-194	MESSAGE	Invalid DBB
	CAUSE	The database buffer control block has been corrupted.
	ACTION	Notify HP Support Representative.

-195	MESSAGE	Invalid DBG
	CAUSE	The database global control block has been corrupted.
	ACTION	Notify HP Support Representative.

-196	MESSAGE	DBB control block is full
	CAUSE	The database buffer control block is full.
	ACTION	Notify HP Support Representative.

-197	MESSAGE	DBG control block is full
	CAUSE	The database global control block is full.
	ACTION	Notify HP Support Representative.

-198	MESSAGE	Total DBOPEN count/user exceeds limit
	CAUSE	The DBU index table, the DBUX, is full. This table is used to map the *baseid* to the user's DBU. The DBUX holds a maximum of 127 entries.
	ACTION	Notify HP Support Representative.

-199	MESSAGE	Cannot end MPE XL XM transaction: XM error *nn*
	CAUSE	The logical ending of an MPE/iX transaction failed. *nn* is the error number returned. Any writes done on behalf of the intrinsic will be rolled out.
		NOTE: This error is only possible from DBPUT, DBDELETE, or DBUPDATE.
	ACTION	Notify system manager.

-200	MESSAGE	Data base language not system supported
	CAUSE	DBOPEN attempted to open the database and found that the language of the database is not currently configured. The collating sequence of the language is unavailable; DBOPEN cannot open the database.
	ACTION	Notify system manager.

-201	MESSAGE	Native Language Support not installed
	CAUSE	NLS/3000 internal structures have not been built at system start-up. The collating sequence table of the language of the database is unavailable; DBOPEN cannot open the database.
	ACTION	Notify system manager.

-202	MESSAGE	MPE Native Language Support error nn returned by NLINFO
	CAUSE	The error number given was returned by NLS/3000 on a NLINFO call in DBOPEN.
	ACTION	Notify system manager.

-206	MESSAGE	Data base exceeds limits
	CAUSE	DBOPEN has detected that the remote TurboIMAGE/XL database exceeds the local IMAGE limitations. Remote database access cannot be completed. A TurboIMAGE/XL database can only be accessed from a local node (which has IMAGE) if and only if the remote database has not exceeded the IMAGE/3000 data set and data item limitations.
	ACTION	Access the remote TurboIMAGE/XL database from another local node which also supports TurboIMAGE/XL.

-208	MESSAGE	MPE error nn returned by FLABELINFO for MPE XL XM
	CAUSE	The MPE/iX file system error nn was returned by the intrinsic FLABELINFO.
	ACTION	Notify HP Support Representative.

-209	MESSAGE	Invalid mode for MPE XL XM DETACH
	CAUSE	An internal error has occurred.
	ACTION	Notify HP Support Representative.

-210	MESSAGE	MPE error nn on log file name
	CAUSE	MPE/iX file system error nn was returned while trying to obtain the user log file name.
	ACTION	Notify HP Support Representative.

-3*nn*	MESSAGE	`Internal error returned`
	CAUSE	Internal error *nn* occurred while in an intrinsic.
	ACTION	Notify HP Support Representative.

-1000	MESSAGE	`Switch failure, INFO nn, SUBSYS nn`
	CAUSE	The switch to Native Mode failed. SUBSYS *nn* is the subsystem that failed. INFO *nn* is the error number returned from that subsystem.
	ACTION	Notify HP Support Representative.

-1001	MESSAGE	`Switch to CM failed on CX'PCBXIMAGE`
	CAUSE	Internal error. This error is returned when DBOPEN calls CM CX'PCBXIMAGE and encounters a switch to CM failure.
	ACTION	Notify HP Support Representative.

-1002	MESSAGE	`HPLOADCMPROCEDURE failed on CX'PCBXIMAGE`
	CAUSE	Internal error. This error is returned when DBOPEN calls HPLOADCMPROCEDURE for CM CX'PCBXIMAGE and fails.
	ACTION	Notify HP Support Representative.

-1003	MESSAGE	`Switch to NM failed on DBxxx, INFO nn SUBSYS nn`
	CAUSE	The switch to Native Mode failed. DB*xxx* is the TurboIMAGE/XL intrinsic. SUBSYS *nn* is the subsystem that failed. INFO *nn* is the error number returned from that subsystem.
	ACTION	Notify HP Support Representative.

Library Procedure Exceptional Conditions

10	MESSAGE	Beginning of file
	CAUSE	DBGET has encountered beginning of file during a backward serial read. (There are no entries before the one previously accessed.)
	ACTION	Appropriate action depends on program design.

11	MESSAGE	End of file
	CAUSE	DBGET has encountered the end of file during a forward serial read. (There are no entries beyond the most recently accessed one.)
	ACTION	Appropriate action depends on program design.

12	MESSAGE	Directed beginning of file
	CAUSE	DBGET has been called for a directed read with a record number less than 1.
	ACTION	Appropriate action depends on program design.

13	MESSAGE	Directed end of file
	CAUSE	DBGET has been called for a directed read with a record number greater than the capacity of data set.
	ACTION	Appropriate action depends on program design.

14	MESSAGE	Beginning of chain
	CAUSE	DBGET has encountered end of chain during a backward chained read.
	ACTION	Appropriate action depends on program design.

15	MESSAGE	End of chain
	CAUSE	DBGET has encountered end of chain during a forward chained read.
	ACTION	Appropriate action depends on program design.

16	MESSAGE	Data set full
	CAUSE	DBPUT has discovered that data set is full.
	ACTION	Restructure database with larger capacity for this data set.

17	MESSAGE	No master entry (or see below)
	CAUSE	DBFIND is unable to locate master data set entry (chain head) for specified detail data set's search item value.
	ACTION	Appropriate action depends on program design.

17	MESSAGE	No entry (or see above)
	CAUSE	DBGET has been called to reread an entry, but no "current record" has been established or a call to DBFIND has set the current record to 0. DBGET is unable to locate master data set entry with specified key item value.
		DBGET has discovered that selected record is empty (does not contain an entry).
		DBUPDATE or DBDELETE was called when the "current record" was not established or was empty.
	ACTION	Appropriate action depends on program design.

18	MESSAGE	Broken chain
	CAUSE	For DBGET with *mode* parameter equal to 5 (forward chained read), the "next entry" on current chain (as designated by internally maintained forward pointer for data set) contains backward pointer which does not point to most recently accessed entry (or zero for first member of a chain).
		For DBGET with *mode* parameter equal to 6 (backward chained read), the "next entry" on current chain in a backward direction (as designated by internally maintained backward pointer for data set) contains a forward pointer which does not point to most recently accessed entry (or zero for last entry in a chain).
		This error can occur in DBOPEN access modes 1, 5, and 6 because another user can make database modifications concurrent with this user's accesses. When this error occurs, no data is moved to user's stack, although internal pointers maintained by TurboIMAGE/XL in the DBB are changed to new "offending" entry. (It becomes the current entry.) Note that this error check does not detect all structural changes. DBGET (mode 5 or 6) makes check only when preceding call on data set was successful DBFIND or DBGET.
	ACTION	Begin reading chain again from first or last entry.

20	MESSAGE	Data base locked or contains locks
	CAUSE	DBLOCK Mode 2: The database cannot be locked. Refer to value of status element three: if 0, database already locked; if 1, database contains locked sets or entries. Mode 4, 6: The lock cannot be granted because the whole database is already locked.
	ACTION	Appropriate action depends on program design.

22	MESSAGE	Data set locked by another process
	CAUSE	DBLOCK has detected that the data set is locked by another process or this process through a different access path. Returned in DBLOCK modes 4 and 6 only.
	ACTION	Appropriate action depends on program design.

23	MESSAGE	Entries locked within set
	CAUSE	DBLOCK has detected that data entries within requested data set are locked by another process or this process through a different access path. Returned in DBLOCK mode 4 only.
	ACTION	Appropriate action depends on program design.

24	MESSAGE	Item conflicts with current locks
	CAUSE	Lock descriptors passed to DBLOCK specify a data item that is different than one used to set existing locks. TurboIMAGE/XL allows no more than one data item per data set to be used at one time for locking purposes. Returned in DBLOCK modes 5 and 6 only.
	ACTION	Appropriate action depends on program design.

25	MESSAGE	Entries already locked
	CAUSE	DBLOCK has detected that data entries requested to be locked are already locked by another process or this process through a different access path. Returned in DBLOCK mode 6 only.
	ACTION	Appropriate action depends on program design.

41	MESSAGE	Critical item
	CAUSE	DBUPDATE has been asked to change value of search or sort item.
	ACTION	Correct call or notify user cannot update item.

42	MESSAGE	Read only item
	CAUSE	DBUPDATE has been asked to change value of a data item for which the user does not have write access.
	ACTION	Notify user, cannot update item. Or change password in program.

43	MESSAGE	Duplicate key item value
	CAUSE	DBPUT has been asked to insert data entry into a master data set with a key item value which already exists in data set.
	ACTION	Appropriate action depends on program design.

44	MESSAGE	Can't delete master entry with non-empty detail chains
	CAUSE	DBDELETE has been asked to delete master data set entry which still has one or more non-empty chains.
	ACTION	Appropriate action depends on program design.

49	MESSAGE	Illegal buffer address
	CAUSE	Calling program's buffer (identified by buffer parameter) address of DBGET or DBINFO is an unsupported memory address.
	ACTION	Correct the buffer parameter with a valid address. CM user stack, NM user stack, and the NM heap are valid memory areas in which to create a buffer parameter.

50	MESSAGE	Buffer too small
	CAUSE	Calling program's buffer (identified by buffer parameter) is too small to accommodate the amount of information that DBGET or DBINFO wishes to return without extending into the parameters area. This message is returned only if the buffer is the last item in the user's stack, and will overflow the stack boundaries.
	ACTION	Correct procedure call, or change buffer name or size.

60	MESSAGE	Data base access disabled
	CAUSE	DBOPEN has been called when the database has been disabled for access.
	ACTION	Notify database administrator.

61	MESSAGE	Data base opened more than 63 times by same process.
	CAUSE	DBOPEN has been called when the specified database has already been opened 63 times by the same process.
	ACTION	Correct your program so that DBOPEN does not open the same database more than 63 times.

62	MESSAGE	DBG Control Block is Full
	CAUSE	Lock area within DBG is full.
	ACTION	Notify your database administrator.

63	MESSAGE	DBG disabled; potential damage; only DBCLOSE allowed
	CAUSE	Another process sharing the database has aborted because of logical inconsistency or internal error in TurboIMAGE/XL, leaving DBG in potentially inconsistent state. All user accesses through existing DBG are disabled (except for DBCLOSE, mode 1). Returned by all intrinsics.
	ACTION	Issue a DBCLOSE, mode 1.

64	MESSAGE	No room for DBG entry in PCBX (MPE/iX portion of stack)
	CAUSE	The PCBX is full.
	ACTION	Try again when system resources are available.

65	MESSAGE	Can't grant buffer request
	CAUSE	DBCONTROL cannot increase the number of buffers as requested by the user. A current count is returned.
	ACTION	Request a smaller number of buffers.

66	MESSAGE	DBG pointed to by root file does not match
	CAUSE	Root file is not compatible with DBG.
	ACTION	Notify HP Support Representative.

67	MESSAGE	DBU disabled; potential damage; only DBCLOSE allowed
	CAUSE	The user's control block is in an inconsistent state.
	ACTION	Issue a DBCLOSE, mode 1.

68	MESSAGE	Bad DBB
	CAUSE	Another process sharing the database has aborted because of logical inconsistency or internal error in TurboIMAGE/XL, leaving DBB in potentially inconsistent state. All user accesses through existing DBB are disabled (except for DBCLOSE, mode 1). Returned by all intrinsics.
	ACTION	Issue a DBCLOSE, mode 1.

69	MESSAGE	Bad database
	CAUSE	AUTODEFER is active, and the database did not close normally. The database has been corrupted.
	ACTION	Notify your database administrator.

1*nn*	MESSAGE	Missing chain head
	CAUSE	User has attempted to add detail data entry with a search item value that does not match any existing key item value in corresponding manual master data set. The digits represented by *nn* identify the offending path number established by order in which their search items occur in set part of schema.
	ACTION	Notify user cannot add entry or add manual master entry and try again.

2*nn*	MESSAGE	Full chain
	CAUSE	User has attempted to add detail data entry to a chain which already contains the maximum allowable (2,147,483,647) entries. The digits represented by *nn* identify the offending path number (as described in 1*nn*).
	ACTION	Consult with database manager. May need to delete some entries from chain or restructure database.

3*nn*	MESSAGE	Full master
	CAUSE	Automatic master data set is full. Therefore, when the user attempted to add a search item to a detail data set, the corresponding key value could not be added to the automatic master data set. The digits represented by *nn* identify the offending path number (as described in 1*nn*).
	ACTION	Restructure database, increasing capacity of automatic master.

944	MESSAGE	Warning: Assuming no message catalog
	CAUSE	No message catalog is available.
	ACTION	Notify your system administrator.

Others	MESSAGE	Unrecognized return status: *nn*
	CAUSE	Return status could not be recognized.
	ACTION	Notify HP Support Representative.

Library Procedure Abort Condition Messages in I File

MESSAGE	BUFFER SUPPLY CRISIS
CAUSE	Internal software inconsistency caused TurboIMAGE/XL to mismanage its buffer space.
ACTION	Notify the system manager and possibly HP Support Representative. Save FID information if it is printed. You may need to perform database recovery procedures.

MESSAGE	CRITICAL LABEL READ ERROR ON *data set*
CAUSE	Unable to read label of database file.
ACTION	Notify the system manager and possibly HP Support Representative. Save FID information if it is printed. You may need to perform database recovery procedures.

MESSAGE	CRITICAL READ ERROR ON *data set*
CAUSE	An MPE/iX file read error encountered while reading database file.
ACTION	Notify the system manager and possibly HP Support Representative. Save FID information if it is printed. You may need to perform database recovery procedures.

MESSAGE	ERROR *intrinsic name* STATUS *return status*; DBERROR/DBEXPLAIN FAILED I *info* S *subsys*
CAUSE	The specified intrinsic encountered an error. ERROR displays the intrinsic. STATUS is the return status from the intrinsic. The application called either DBERROR or DBEXPLAIN. The switch to Native Mode failed. I is the error number returned by the subsystem. S is the subsystem that failed.
ACTION	Notify HP Support Representative.

MESSAGE	ESCAPE FROM TURBOIMAGE/XL; PC: $*pcode* CODE: $*escape code*
CAUSE	A hardware or software trap occurred. *pcode* and *escape code* are hex numbers. The first four hex digits represent the error code; the last four represent the subsystem number.
ACTION	Notify the system manager and HP Support Representative if necessary. Save the *escape code* number.

MESSAGE	`HPUNLOADCMPROCEDURE FAILED ON` *intrinsic name* `INFO` *info* `SUBSYS` *subsystem*
CAUSE	A problem was encountered when switching to Compatibility Mode (CM). INFO is the error returned by the subsystem. SUBSYS is the subsystem which failed.
ACTION	Notify HP Support Representative.

MESSAGE	`LABEL WRITE ERROR ON` *data set*
CAUSE	Unable to complete the writing of a user label on database file.
ACTION	Notify the system manager and HP Support Representative if necessary.

MESSAGE	`LOST FREE SPACE IN` *data set*
CAUSE	Internal software inconsistency caused unused record locations in data set to become lost or unavailable. File information display is printed for the data set.
ACTION	Notify the system manager and HP Support Representative if necessary.

MESSAGE	`NEGATIVE MOVE ATTEMPT:` n
CAUSE	An internal software inconsistency has been found while attempting to move data to or from user's stack.
ACTION	Notify the system manager and HP Support Representative if necessary.

MESSAGE	`THE` *intrinsic name* *parm* `PARAMETER NOT ALIGNED ON A 16-BIT BOUNDARY`
CAUSE	The designated parameter, *parm*, is 8-bit aligned.
ACTION	Modify your application so that the *parm* parameter is 16-bit (halfword) aligned.

MESSAGE	`THE USER CANNOT BE IN SPLIT-STACK MODE`
CAUSE	An application must be running on the user's stack when calling a TurboIMAGE/XL intrinsic. It is not permitted to run in split-stack mode. This message is only applicable if you are running in Compatibility Mode.
ACTION	Modify your Compatibility Mode application so that it is not running in split-stack mode.

MESSAGE	`UNABLE TO CLOSE DATA SET`
CAUSE	Unable to close a database file.
ACTION	Modify your application so that the *parm* parameter is 16-bit (halfword) aligned.

MESSAGE	UNABLE TO OPEN A *data set*
CAUSE	Unable to open database file.
ACTION	Modify your application so that the *parm* parameter is 16-bit (halfword) aligned.

MESSAGE	WRITE ERROR ON *data set*
CAUSE	An MPE/iX file write error found while writing into database file.
ACTION	Modify your application so that the *parm* parameter is 16-bit (halfword) aligned.

MESSAGE	WRONG NUMBER OF PARAMETERS OR BAD ADDRESS FOR PARAM #*n*
CAUSE	An address referenced by one of the parameters is not within the user's stack area in memory. The *n* is a positional number of the parameter in the procedure's calling sequence. The first parameter is #1, the second #2, and so on.
ACTION	Modify your application so that the *parm* parameter is 16-bit (halfword) aligned.

Utility Error Messages

Two types of error messages are generated by the utility programs. The first type consists of conditional errors associated with accessing the desired database. For all utility programs except DBUTIL, errors generating these messages can be corrected without terminating the run if you are in session mode. DBUTIL errors of this type may terminate the program. After printing the error message, the DBUTIL program reprompts with two greater than symbols (>>). Other utilities reprompt with the message "WHICH DATABASE?", allowing you to reenter the database reference. If you wish to terminate the utility program at this point, you may type a carriage return with or without leading blanks. If you are in job mode, conditional errors always cause program termination. Conditional error messages and their meanings are described in the section entitled "Utility Program Conditional Messages".

Unconditional errors occur in utility programs after successful execution has already begun. These errors usually cause program termination. The accompanying messages and their meanings are described in the section entitled "Utility Program Unconditional Messages."

Utility Program Conditional Messages

MESSAGE	ACCESS DISABLED UNTIL RECOVERY HAS COMPLETED
CAUSE	Database is disabled for access, and recovery is enabled.
ACTION	Users will be able to access the database after the recovery process has completed.

MESSAGE	ACCT NAME MORE THAN 8 CHARACTERS
CAUSE	The *acctname* part of DBNAME2 is too long.
ACTION	Use the EDITOR to change the FILE command.

MESSAGE	APPARENT BACKUP/LOGFILE MISMATCH
CAUSE	A call to DBPUT, DBUPDATE, or DBDELETE, that apparently succeeded when logging has failed during recovery.
ACTION	Make sure the proper backup database was restored and that the matching log file was used for recovery.

MESSAGE	AUTODEFER MUST BE DISABLED BEFORE ILR CAN BE ENABLED
CAUSE	AUTODEFER option in DBUTIL has been enabled for the database. ROLLBACK or ILR cannot be enabled while output deferred mode is enabled.
ACTION	Run DBUTIL and >>DISABLE AUTODEFER and >>ENABLE ILR or ROLLBACK for the database.

MESSAGE	AUTODEFER MUST BE DISABLED BEFORE ROLLBACK CAN BE ENABLED
CAUSE	The rollback recovery option cannot be used when the database has been enabled for AUTODEFER.
ACTION	Disable AUTODEFER and enable ROLLBACK using DBUTIL.

MESSAGE	BACKUP DATABASE AND LOG FILE DO NOT MATCH
CAUSE	The *logid* of the log file and the *logid* in the database being recovered do not match; i.e., the correct log file is not being used for recovery.
ACTION	Make sure that the database is using the correct log file.

MESSAGE	BAD DATA BASE REFERENCE
CAUSE	Data base reference following the utility program :RUN command has a syntax error.
ACTION	Correct the error in session mode or press return to terminate the program.

MESSAGE	BAD MAINTENANCE WORD
CAUSE	User invoking the utility is not the creator of the referenced database and has not supplied the correct maintenance word.
ACTION	Correct the error in session mode or press return to terminate the program.

MESSAGE	CANNOT ENABLE BREAK KEY
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	CANNOT OPEN DATABASE
CAUSE	The database cannot be opened at this time. It may already be open in a mode that does not allow concurrent access.
ACTION	Try the DBUTIL command again later.

MESSAGE	CANNOT PARSE LOG FILE NAME
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	CAN'T RECOVER DATA BASES IN STATISTICAL MODE
CAUSE	The CONTROL STATS command was entered subsequent to a RECOVER command.
ACTION	Rerun DBRECOV without using statistical mode, or use statistical mode without specifying databases or recovery.

MESSAGE	CAN'T OPEN DATA BASE- *DBERROR message*
CAUSE	Database cannot be opened.
ACTION	Check the DBERROR message to determine the problem.

MESSAGE	CHECKSUM FAILURE ON LOG RECORD #n -EOF ASSUMED
CAUSE	May occur if the system failed and a startup recovery is not performed. Also may occur if a statistical recovery is used against an open log file.
ACTION	You may want to use a warmstart recovery in the future, but this is not absolutely necessary.

MESSAGE	COULD NOT FIND OPEN DATABASE IN DATABASE TABLE
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	CURRENT SINGLE TRANSACTION DOESN'T MATCH LOG TRANSACTION
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	CURRENT TRANSACTION DOESN'T MATCH LOG FILE TRANSACTION
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	DATABASE-ACCESS FILE DOES NOT EXIST
CAUSE	No such file exists in the logon user or account.
ACTION	Check the files in group to determine the correct file name.

MESSAGE	DATABASE-ACCESS FILE NAME MAY NOT BE QUALIFIED
CAUSE	The DBA file name cannot be qualified with group and account.
ACTION	Log on in the same group and account as the database-access file.

MESSAGE	DATABASE-ACCESS FILENAME TOO LONG
CAUSE	The file name has more than six characters.
ACTION	Rename the file and try DBUTIL again.

MESSAGE	DATA BASE ALREADY CREATED
CAUSE	You have invoked DBUTIL in the CREATE mode and specified the name of a database which already exists.
ACTION	In session mode, correct the error or press $\boxed{\text{Return}}$ to terminate program.

MESSAGE	DATA BASE ALREADY DISABLED FOR *option*
CAUSE	The *option* has already been disabled for this database.
ACTION	Press return to terminate the program.

MESSAGE	DATA BASE ALREADY ENABLED FOR *option*
CAUSE	The *option* has already been enabled for this database.
ACTION	Press return to terminate the program.

MESSAGE	DATA BASE CANNOT BE ERASED UNTIL RECOVERY HAS COMPLETED
CAUSE	Erasing database is attempted when recovery was started but not completed, or while recovery is in RESTART mode.
ACTION	Press return to terminate program. After the recovery process has completed, the user can run DBUTIL again.

MESSAGE	DATA BASE CANNOT BE PURGED UNTIL RECOVERY HAS COMPLETED
CAUSE	Purging the database is attempted when recovery was started but not completed, or while recovery is in RESTART mode.
ACTION	Press return to terminate program. After the recovery process has completed, the user can run DBUTIL again.

MESSAGE	DATA BASE CONTAINS INVALID LOGGING IDENTIFIER
CAUSE	The log identifier in the database root file does not exist in the MPE/iX table.
ACTION	Use DBUTIL to set a valid log identifier into the database.

MESSAGE	DATA BASE HAS BEEN MODIFIED SINCE LAST RESTORE
CAUSE	The DBSTORE flag has not been reset. This may mean a backup database has not been restored, or that there have been modifications since the last restoration.
ACTION	Restore the backup database, or use the CONTROL NOSTORE option and reenter the RECOVER command.

MESSAGE	DATA BASE n HASN'T BEEN CREATED YET
CAUSE	The database creator must run DBUTIL and CREATE the database.
ACTION	In session mode, correct the error or (Return) to terminate the program.

MESSAGE	DATA BASE IN USE
CAUSE	Utility program cannot get exclusive access to the referenced database due to other current users.
ACTION	In session mode, press (Return) to terminate the program.

MESSAGE	DATA BASE IS NOT EMPTY. LANGUAGE CANNOT BE CHANGED
CAUSE	The language can be changed only on a virgin root file or an empty database.
ACTION	In session mode, press return to terminate the program.

MESSAGE	DATA BASE IS REMOTE
CAUSE	You must be logged on to the same group and account containing the root file to use DBUTIL.
ACTION	Do a remote logon and run DBUTIL from your remote session.

MESSAGE	DATA BASE NAME MAY NOT BE QUALIFIED
CAUSE	The database name cannot be qualified with group and account.
ACTION	Log on to the same group and account as the database and reenter the command.

MESSAGE	DATA BASE NAME TOO LONG
CAUSE	The database name you specified has more than six characters.
ACTION	Try the command again with the correct name.

MESSAGE	DATA BASE NOT ENABLED FOR RECOVERY
CAUSE	The recovery flag in the database root file is disabled.
ACTION	Be sure you are running recovery against the appropriately restored database. You can override the disable flag with DBUTIL if necessary.

MESSAGE	DATA BASE LANGUAGE NOT SYSTEM SUPPORTED
CAUSE	The language of the database is not currently configured on your system.
ACTION	Notify the system manager.

MESSAGE	DATABASE OR ACCESS FILE DOES NOT EXIST
CAUSE	No such file exists in logon group or account.
ACTION	Check the files in your group to find the correct file name.

MESSAGE	DATA BASE OR FILE ACCESS NAME REQUIRED
CAUSE	The command must include the database or access file name.
ACTION	Reenter the command.

MESSAGE	DATA BASE OR FILE ACCESS NAME TOO LONG
CAUSE	File name has more than six characters.
ACTION	Reenter the command with the correct name.

MESSAGE	DATA BASE REQUIRES CREATION
CAUSE	The database creator must run the DBUTIL program in CREATE mode prior to executing DBUNLOAD, DBLOAD, or DBUTIL in ERASE mode.
ACTION	In session mode, correct the error or press return to terminate the program.

MESSAGE	DATABASE TABLE OVERFLOWED
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	DATABASE TABLE TRANSACTION COUNT IS NEGATIVE
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	DATA SET n IS MISSING
CAUSE	The data set may have been purged, or was not restored.
ACTION	Contact your database administrator or system manager.

MESSAGE	DBBEGIN FOUND AN ALREADY ACTIVE TRANSACTION
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	DBBEGIN FOUND PROCESS ALIVE, BUT NOT ACTIVE
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	DBEND FOUND TRANSACTION STILL ALIVE AND ACTIVE
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	DBEND FOUND TRANSACTION WHICH ALREADY ENDED
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	DBNAME DBSTORE OF TIME, DATE REQUIRED
CAUSE	DBSTORE timestamp in database does not match those in DBOPEN records.
ACTION	Restore the proper database or use the proper log file. You can also use the NOSTAMP option in recovery.

MESSAGE	DBLOAD TO DIFFERENT DATABASE NAME MAINTENANCE WORD IS NOT ALLOWED
CAUSE	The DBLOAD database name and maintenance word must be the same as those used for DBUNLOAD.
ACTION	Use a database name and maintenance word which were used for the DBUNLOAD.

MESSAGE	DBLOAD TO DIFFERENT GROUP OR ACCOUNT IS NOT ALLOWED.
CAUSE	DBLOAD must be done from the same group and account as the DBUNLOAD file.
ACTION	Log on to the same group and account from which the DBUNLOAD was done. Then use DBLOAD again.

MESSAGE	DUPLICATE FILE NAME
CAUSE	The required file name is already assigned to another file. Example: If the ORDERS database requires six data sets (ORDERS01–ORDERS06), then a previously defined file ORDERS03 will trigger this message. This can occur if a database is not purged before running DBRESTOR.
ACTION	In session mode, correct the error or press return to terminate the program.

MESSAGE	DBNAME1 MORE THAN SIX CHARACTERS
CAUSE	$dbname1$ is too long.
ACTION	Use EDITOR to change the FILE command.

MESSAGE	'DEV' MISSING
CAUSE	Either the keyword DEV or the following "=" was not found.
ACTION	Use EDITOR to change the FILE command.

MESSAGE	DEVICE NOT 'DISC'
CAUSE	The string following the "#" sign was not "DISC."
ACTION	Use EDITOR to change the FILE command.

MESSAGE	DSDEVICE DOESN'T MATCH FILE COMMAND
CAUSE	The $dsdevice$ name in the DSLINE command was not the same as the $dsdevice$ name in the FILE command.
ACTION	Use EDITOR to change the command which is in error.

MESSAGE	DSDEVICE NAME MORE THAN 8 CHARACTERS
CAUSE	The $dsdevice$ name is too long.
ACTION	Use EDITOR to change the command which is in error.

MESSAGE	EMBEDDED BLANK IN DBNAME2
CAUSE	One of the periods separating the user name from the group name or the group name from the account name was preceded or followed by a blank.
ACTION	Use EDITOR to change the file command.

MESSAGE	ERROR READING ROOT FILE LABEL
CAUSE	DBUTIL is unable to read the root file.
ACTION	Contact your HP systems engineer.

MESSAGE	ERROR READING ROOT FILE RECORD
CAUSE	DBUTIL is unable to read a root file record.
ACTION	Contact your HP systems engineer.

MESSAGE	ERROR WRITING ROOT FILE LABEL
CAUSE	DBUTIL found an error while writing the root file label.
ACTION	Contact your HP systems engineer.

MESSAGE	ERROR WRITING ROOT FILE RECORD
CAUSE	DBUTIL found an error while writing to a root file record.
ACTION	Contact your HP systems engineer.

MESSAGE	EXCEEDS ACCOUNT DISC SPACE
CAUSE	Amount of space required by the database plus the space already assigned to other files exceeds the disk space available to the account.
ACTION	Request system manager to increase account's disk space.

MESSAGE	EXCEEDS GROUP DISC SPACE
CAUSE	The amount of disk space required by the database plus the space assigned to other files in the group exceeds the amount of disk space available to the account.
ACTION	Request the system manager to increase the group's disk space.

MESSAGE	EXPECTED DATABASE STATE TO BE "CLOSED"
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	`FCHECK FAILURE`
	`FCLOSE FAILURE`
	`FCONTROL FAILURE`
	`FENTRY FAILURE`
	`FGETINFO FAILURE`

CAUSE	These are exceptional errors indicating a hardware or software failure.
ACTION	Notify your system manager of the failure.

MESSAGE	`FFILEINFO INTRINSIC FAILED`
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	`FGETINFO CANNOT VERIFY THAT FILE IS TYPE "LOG"`
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	`FGETINFO INTRINSIC FAILED`
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	`FILE CODE IS NOT 0.`
CAUSE	The database-access file to be activated has a file code of other than 0.
ACTION	Be sure you have the correct EDITOR file.

MESSAGE	`FILE EQUATES ARE ILLEGAL FOR DATA BASE AND DATA BASE ACCESS FILE`
CAUSE	DBUTIL does not allow you to equate the name of the database or database-access file to another file with the :FILE command.
ACTION	Use the :RESET command to cancel the :FILE command. You can either break and resume execution or exit DBUTIL and run it again.

MESSAGE	`FILE` *file name* `RECSIZE TOO SMALL: LOG(S) TRUNCATED.`
CAUSE	User recovery file size is too small to hold the largest log record.
ACTION	Increase record size or use variable length records.

MESSAGE	FILE NAME MAY NOT BE QUALIFIED
CAUSE	The file name may not be qualified with group and account.
ACTION	Log on to the same group and account and reenter the command.

MESSAGE	FILE NAME MORE THAN SIX CHARACTERS
CAUSE	The file name part of *dbname2* is too long.
ACTION	Use the EDITOR to change the FILE command.

MESSAGE	FOPEN FAILURE ON logfilename:ferrmsg
CAUSE	You cannot open the log file.
ACTION	Examine ferrmsg to determine the cause.

MESSAGE	FREAD ERROR ON ASCII ACCESS FILE
CAUSE	Exceptional errors indicate a hardware or software failure.
ACTION	Notify the system manager of the error.

MESSAGE	FWRITE ERROR ON filename:ferrmsg
CAUSE	FWRITE failure on user recovery file.
ACTION	Check ferrmsg to determine the cause.

MESSAGE	GROUP NAME MORE THAN 8 CHARACTERS
CAUSE	The group name part of *dbname2* is too long.
ACTION	Use the EDITOR to change the FILE command.

MESSAGE	ILR MUST BE DISABLED BEFORE AUTODEFER CAN BE ENABLED
CAUSE	Output deferred option (AUTODEFER) cannot be used when the database has been enabled for ILR or ROLLBACK.
ACTION	Disable ILR or ROLLBACK and enable AUTODEFER using DBUTIL. (Refer to the appropriate documentation for more information on AUTODEFER.)

MESSAGE	INCOMPLETE
	PURGE
	RELEASE
	SECURE
CAUSE	The operation was interrupted while in process.
ACTION	Contact your system manager.

MESSAGE	INCOMPLETE DBNAME2
CAUSE	The file name or group name is followed by a period and the rest of the record is empty. Or the next character is a semicolon (;).
ACTION	Use the EDITOR to change the FILE command.

MESSAGE	INCOMPLETE LOCAL PART
CAUSE	The period following the local user name was missing, or the account name was missing, or a comma followed the account name and the group name was missing.
ACTION	Use the EDITOR to change the HELLO command.

MESSAGE	INCOMPLETE REMOTE PART
CAUSE	The period following the *rusername* was missing, or the *raccountname* was missing, or the *raccountname* was followed by a comma and the *rgroupname* was missing.
ACTION	Use the EDITOR to change the HELLO command.

MESSAGE	INSUFFICIENT DISC SPACE
CAUSE	The amount of disk space required for the database is not available on the system.
ACTION	Consult with the system manager about disk space requirements.

MESSAGE	INSUFFICIENT VIRTUAL MEMORY
CAUSE	Not enough virtual memory is available to open and access the database.
ACTION	Try running the utility later when the system is not as busy.

MESSAGE	INTERNAL ERROR--CURRENT TRANSACTION COUNT IS NEGATIVE
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--DATABASE CONTAINS INVALID LOGGING IDENTIFIER
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--DATABASE SHOULD NOT BE OPEN AT THIS TIME
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--DBBEGIN FOUND PROCESS ALIVE, BUT TRAN STATE INACTIVE
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--EXPECTED DATABASE TO BE OPEN FOR THIS PROCESS
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--FOPEN FAILS IN F'HEADLOG
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--FREADLABEL FAILS IN F'HEADLOG
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--HEAP STAGING AREA OVERFLOWED
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--INVALID DATABASE TABLE ADDRESS
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--INVALID DBTAB'PROC'TAIL
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--INVALID PASSWORD FOR DATABASE LOGGING IDENTIFIER
CAUSE	Log password does not correspond with the log identifier in the log file.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--INVALID PROCTABLE INDEX FOUND IN PROC'ACTIVELINK
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--INVALID RECOVERY TABLE ADDRESS
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--LOGID'TO'FNAME FAILURE
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--NO PROCESS TABLE ENTRY EXISTS
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--PROBLEM RETURNING HEAP
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--PROCESS NOT IN PROCESS TABLE
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--PROCESS TABLE IS FULL
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--RECORD TABLE IS FULL
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INTERNAL ERROR--UNABLE TO ALLOCATE THE HEAP
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INVALID ACCESS CLASS NUMBER
CAUSE	The access class should be a number between 1 and 63.
ACTION	Reenter with a valid access class number.

MESSAGE	INVALID CHARACTER IN PASSWORD
CAUSE	Password does not consist of allowed characters.
ACTION	Check the password specified and reenter the command.

MESSAGE	INVALID COMMAND
CAUSE	Command is unknown to the utility.
ACTION	Check spelling or see manual for legal commands.

MESSAGE	INVALID CONTENTS OF ASCII ACCESS FILE ACTIVATION / DEACTIVATION FAILED
CAUSE	The file specified is either
	1. Not a database-access file, or
	2. It does not contain the valid format and parameters.
ACTION	Either
	1. Verify the correct database-access file, or
	2. Use EDITOR to make the required changes and try accessing again.

MESSAGE	INVALID DATA BASE CONTROL BLOCK
CAUSE	TurboIMAGE/XL encountered an inconsistency in the control blocks.
ACTION	Contact your system engineer.

MESSAGE	INVALID DATA BASE ACCESS FILE NAME
CAUSE	The file name or database name must be 1 to 6 characters starting with a letter.
ACTION	Reenter the command with the correct name.

MESSAGE	INVALID DATA BASE NAME
CAUSE	The file name or database name must be 1 to 6 characters starting with a letter.
ACTION	Reenter the command with the correct name.

MESSAGE	INVALID DATA BASE NAME OR ACCESS FILE NAME
CAUSE	The file name or database name must be 1 to 6 characters starting with a letter.
ACTION	Reenter the command with the correct name.

MESSAGE	INVALID DB INTRINSIC CODE IN LOG RECORD CODE FIELD
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INVALID DELIMITER
CAUSE	The command or a space is incorrectly positioned.
ACTION	Use HELP to check command syntax and reenter the command.

MESSAGE	INVALID FIRST LOG FILE NAME
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INVALID FIRST LOG FILE SEQUENCE NUMBER
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INVALID FIRST LOG FILE TIMESTAMP
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INVALID IMAGE LOG RECORD DETECTED
CAUSE	DBRECOV encountered an undefined log record code.
ACTION	Notify the system manager and HP Support Representative.

MESSAGE	INVALID LANGUAGE
CAUSE	Language name or number has invalid characters.
ACTION	Retype the correct language name or number.

MESSAGE	INVALID LOG CODE IN LOG RECORD
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INVALID LOG DEVICE TYPE IN LOG RECORD
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INVALID LOG FILE DEVICE TYPE
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	INVALID MAINTENANCE WORD
CAUSE	An incorrect maintenance word was used.
ACTION	Check the maintenance word specified and reenter the command.

MESSAGE	INVALID NUMBER OF BUFFERS SPECIFIED
CAUSE	The number of buffers must be between 4 and 255.
ACTION	Reenter DBUTIL >>SET command with a valid number.

MESSAGE	INVALID NUMBER OF USERS SPECIFIED
CAUSE	The minimum number of users allowed is 1 and the maximum is 120. The ranges of users specified must be in ascending order.
ACTION	Reenter DBUTIL >>SET command with a valid number.

MESSAGE	INVALID PARAMETER
CAUSE	You specified an incorrect parameter.
ACTION	Use HELP to check the command format and reenter the command.

MESSAGE	INVALID PASSWORD FOR DATA BASE LOGGING IDENTIFIER
CAUSE	Log password does not correspond with the log identifier used with the GETLOG command.
ACTION	Use DBUTIL to set the valid log identifier password into the database.

MESSAGE	INVALID SUBSYSTEM ACCESS FLAG IN ROOT FILE
CAUSE	TurboIMAGE/XL detected an invalid value for the subsystem access in the root file. Valid accesses are READ, R/W, and NONE.
ACTION	Reset the subsystem access flag using DBUTIL >>SET command.

MESSAGE	INVALID TRANSACTION SEQUENCE DETECTED
CAUSE	Internal error. The transaction numbers are not consecutive.
ACTION	Notify your system manager and HP Support Representative.

MESSAGE	INVALID (x) IN COLUMN y
CAUSE	The x represents the invalid character found in column y.
ACTION	Use the EDITOR to change the database-access file record which returns the error message.

MESSAGE	LANGUAGE MUST NOT BE LONGER THAN 16 CHARACTERS
CAUSE	The language name is too long.
ACTION	Retype the correct language name.

MESSAGE	LANGUAGE NOT SUPPORTED
CAUSE	The language is not supported on your system or is not a valid language name.
ACTION	Check with your system manager for the configuration of the language, or enter a valid language name or number.

MESSAGE	LESS THAN 3 RECORDS IN FILE!
CAUSE	The database-access file does not contain a FILE, DSLINE, and HELLO command.
ACTION	Use the EDITOR to create the missing records.

MESSAGE	LOCAL ACCT NAME IS TOO LONG
CAUSE	*lacctname* is more than eight characters.
ACTION	Use the EDITOR to change the *lacctname*.

MESSAGE	LOCAL GROUP NAME IS TOO LONG
CAUSE	*lgroupname* has more than eight characters.
ACTION	Use the EDITOR to change the *lgroupname*.

MESSAGE	LOCAL USER NAME TOO LONG
CAUSE	*lusername* has nore than eight characters.
ACTION	Use EDITOR to change the *lusername*.

MESSAGE	LOG BUFFER OVERFLOW
CAUSE	There is insufficient buffer space to build the log record.
ACTION	Notify the system manager and HP Support Representative.

MESSAGE	LOG BUFFER OVERFLOW DURING GET NEXT LOGICAL LOG RECORD
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	LOG FILE AND DATABASE IDs DO NOT MATCH
CAUSE	Internal error. Database is not using the correct log file.
ACTION	Contact your system manager.

MESSAGE	LOGFILE AND DATA BASE LOGID'S DO NOT MATCH
CAUSE	The restored database does not match the log file.
ACTION	Be sure the log file and the backup database are properly attached.

MESSAGE	LOG FILE HEADER RECORD IS NOT FIRST RECORD
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	LOGFILE IS EMPTY
CAUSE	The log file has no records.
ACTION	Be sure you have correctly identified the log file.

MESSAGE	LOG FILE OPEN FAILED
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	LOG FILE RECORD SIZE IS IMPROPER
CAUSE	Internal error. The records are not 256 bytes with a fixed length.
ACTION	Be sure this file is actually a log file. Contact your system manager.

MESSAGE	LOGID:*logid* IS INVALID
CAUSE	The database *logid* has been removed from the MPE/iX table.
ACTION	Set the database to an existing *logid*, or use the GETLOG command to establish the database *logid* on the MPE/iX table.

MESSAGE	LOGID MUST NOT BE LONGER THAN 8 CHARACTERS
CAUSE	The *logid* name is too long.
ACTION	Retype the correct *logid* to set into the database.

MESSAGE	LOGID PASSWORD IS INCORRECT
CAUSE	The password has been altered, or you are using the wrong password.
ACTION	Set the *logid* with the correct password into the database.

MESSAGE	LOGGING IS ENABLED, CAN NOT CLEAR LOGID
CAUSE	The *logid* cannot be changed while logging is in process in order to ensure validity of recovery and logging.
ACTION	Change the *logid* after the recovery process has completed.

MESSAGE	LOG PERIOD DOES NOT EQUAL ONE (1)
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	MAINTENANCE WORD CANNOT BE CHANGED UNTIL RECOVERY HAS COMPLETED
CAUSE	Changing maintenance word was attempted when recovery was enabled.
ACTION	After the recovery process has completed use the DBUTIL >>SET command to change the maintenance word.

MESSAGE	MAINTENANCE WORD REQUIRED
CAUSE	The user invoking the utility is not the creator of the referenced database and has not supplied a maintenance word.
ACTION	If DBUTIL, reenter the command with the maintenance word. Otherwise correct the error or press return to terminate the program.

MESSAGE	MAINTENANCE WORD TOO LONG
CAUSE	The specified maintenance word has more than eight characters.
ACTION	Reenter the command with the correct maintenance word.

MESSAGE	MAXIMUM ERROR COUNT HAS BEEN EXCEEDED
CAUSE	DBRecov keeps track of all the errors that were encountered. If the number goes past a certain threshold (default is 0, but can be configured up to a maximum of 3000), DBRecov will abort.
ACTION	Correct the problems causing the errors. If the user specifies an error count, this count could also be increased.

MESSAGE	MAXIMUM WARNING COUNT HAS BEEN EXCEEDED
CAUSE	DBRecov keeps track of all the warnings that were encountered. If the number goes past a certain threshold, DBRecov will abort.
ACTION	If the user specifies a warning count, this count could be increased.

MESSAGE	MISSING!!
CAUSE	The key word FILE is not found in the first record; or the keyword DSLINE is not found in the second record; or the keyword HELLO is not found in any of the remaining records.
ACTION	Use the EDITOR to modify the record in the database-access file that returned the error message.

MESSAGE	MISSING DBNAME1
CAUSE	An equal sign (=), semicolon (;), or end of line followed the keyword FILE.
ACTION	Use the EDITOR to change the FILE command.

MESSAGE	MISSING DBNAME2
CAUSE	*dbname1*= followed by a semicolon (;) or end of line.
ACTION	Use EDITOR to change the FILE command.

MESSAGE	MISSING DSDEVICE
CAUSE	DEV= was followed by a semicolon (;), #, or the rest of the record was blank.
ACTION	Use the EDITOR to change the FILE command.

MESSAGE	MISSING LOCAL PART
CAUSE	No characters preceded the =HELLO.
ACTION	Use the EDITOR to change the HELLO command.

MESSAGE	MISSING REMOTE PART
CAUSE	The remote-ID-sequence of the database-access file is missing.
ACTION	Use the EDITOR to add the remote part.

MESSAGE	MISSING REMOTE PASWD
CAUSE	HELLO was not followed by text, or was followed by a semicolon (;).
ACTION	Using the EDITOR, change the HELLO command.

MESSAGE	MISSING SEMI-COLON
CAUSE	DEV= was not preceded by a semicolon (;)
ACTION	Use the EDITOR to change the FILE command.

MESSAGE	MISSING # SIGN
CAUSE	*dsdevice* was not followed by a #.
ACTION	Use the EDITOR to change the FILE command.

MESSAGE	MORE THAN ONE (1) LOG FILE HEADER RECORD IS FOUND
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	MULTIPLE LOG IDENTIFIERS NOT ALLOWED
CAUSE	You tried to simultaneously recover databases that logged to different log files.
ACTION	Run DBRECOV once for each log file.

MESSAGE	NEGATIVE CURRENT RECORD NUMBER IN BACKSPACE REQUEST
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	NEGATIVE NUMBER OF BACKSPACES REQUESTED
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	NLS RELATED ERROR
CAUSE	An error was returned by NLS/3000 on a DBOPEN on the database.
ACTION	Notify the system manager.

MESSAGE	NLINFO FAILURE
CAUSE	An error was returned by NLS/3000
ACTION	Notify system manager.

MESSAGE	NO DATA BASE HAS BEEN SPECIFIED FOR RECOVERY
CAUSE	RUN command has been entered and no databases have been specified for recovery.
ACTION	Use the RECOVER command to specify database(s) or EXIT to terminate.

MESSAGE	NON-CREATOR ACCESS NOT PERMITTED
CAUSE	You must be the database creator to perform this function, or you must use the maintenance word.
ACTION	Log on as the database creator, or use the maintenance word with the command. If the maintenance word is not set, have the creator set one.

MESSAGE	NONEXISTENT LOGID
CAUSE	You are trying to set an unrecognized *logid* into the database, or the database *logid* has been removed from MPE/iX.
ACTION	Use GETLOG to put the database *logid* into the MPE/iX table, or set an existing *logid* into the database.

MESSAGE	NO SUCH DATA BASE
CAUSE	Specified database does not exist in users logon group.
ACTION	Check base name and logon account and group. Press return to terminate the program.

MESSAGE	NOT A DATA BASE ACCESS FILE
CAUSE	The specified file is not a database-access file.
ACTION	Check the file name and try the command again.

MESSAGE	NOT A DATA BASE OR DATA BASE ACCESS FILE
CAUSE	The specified database is invalid, or the specified file is not a database-access file.
ACTION	Check the database or file name and try the command again.

MESSAGE	NOT A DATA BASE ROOT FILE
CAUSE	The specified file is not a database root file.
ACTION	Check the specified database name and try the command again.

MESSAGE	NOT A PRIVILEGED DATA BASE ACCESS FILE
CAUSE	The database-access file has not been activated.
ACTION	Check the command and reenter it correctly.

MESSAGE	NOT ALLOWED; MUST BE CREATOR
CAUSE	The user invoking the utility is not the creator of the database and the database has no maintenance word.
ACTION	Log on with correct user name, account and group.

MESSAGE	NOT AN UNPRIVILEGED DATA BASE ACCESS FILE
CAUSE	The database-access file is already activated.
ACTION	Check the command and reenter it if necessary.

MESSAGE	OUTMODED ROOT
CAUSE	The root file of the specified database corresponds to a different version of IMAGE software and is not compatible with the utility program currently executing.
ACTION	Consult with your system manager to verify the correct version of the software. Ask HP Support Representative about conversion process.

MESSAGE	PARAMETER EXPECTED
CAUSE	The command you specified calls for another parameter.
ACTION	Use HELP to find the correct command syntax.

MESSAGE	PARAMETER MUST BE A COMMAND
CAUSE	Only command names may be specified with the HELP command.
ACTION	Reenter the command.

MESSAGE	PARAMETER SPECIFIED TWICE
CAUSE	The command specified requires only one parameter entry.
ACTION	Reenter the command.

MESSAGE	PARSE OF FILE REFERENCE FAILED
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	PASSWORD IS INCORRECT
CAUSE	The *logid* password in the database is not the same as the password in the MPE/iX table.
ACTION	Set the *logid* and correct password into the database. Or, use the MPE/iX ALTLOG command to alter the password in the MPE/iX table so it matches the one in the database.

MESSAGE	PASSWORD MUST NOT BE LONGER THAN 8 CHARACTERS
CAUSE	The password is too long so it is incorrect.
ACTION	Retype the correct *logid* and password.

MESSAGE	PREMATURE EOF ON ASCII ACCESS FILE
CAUSE	DBUTIL encountered an end of file mark before at least one =HELLO record in the database-access file.
ACTION	Use the EDITOR to change the ASCII file.

MESSAGE	PROCESS TABLE OVERFLOW
CAUSE	At some point more than 180 processes were logging at the same time.
ACTION	Notify your system manager and HP Support Representative.

MESSAGE	RECORD SIZE EXCEEDS 128 CHARACTERS!
CAUSE	The longest record in the database-access file exceeds the allowable length.
ACTION	Use the EDITOR to modify the database-access file.

MESSAGE	RECORDS ARE NUMBERED!
CAUSE	The database-access file is numbered.
ACTION	Use the EDITOR to keep the file unnumbered.

MESSAGE	RECORD TABLE OVERFLOW
CAUSE	More than 1000 detail records have been added and they have been given relative record numbers different from those originally assigned. Wrong database may have been restored, or not all modifications to the database were logged.
ACTION	Run DBRECOV without the NOABORTS option or recover to a point before the occurrence of the error. Or restore the correct database. Or restore database and perform DBUNLOAD/DBLOAD.

MESSAGE	RECOVERY TABLE IS FULL
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	RECOVERY TABLE OVERFLOW
CAUSE	You tried to specify more than 100 user recovery files.
ACTION	Reduce the number of recovery files needed.

MESSAGE	RELEASE OF ENTRY FROM RECOVERY TABLE FAILED
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	REMOTE ACCT *racctname* TOO LONG
CAUSE	*racctname* is more than eight characters long.
ACTION	Use the EDITOR to change the HELLO command.

MESSAGE	REMOTE ACCT PASSWORD TOO LONG
CAUSE	*rupasw* is more than eight characters.
ACTION	Use the EDITOR to change the HELLO command.

MESSAGE	REMOTE GROUP *rgroupname* TOO LONG
CAUSE	*rgroupname* is more than eight characters.
ACTION	Use the EDITOR to change the HELLO command.

MESSAGE	REMOTE GROUP PASSWORD TOO LONG
CAUSE	*rgpasw* is more than eight characters.
ACTION	Use the EDITOR to change the HELLO command.

MESSAGE	REMOTE USER *rusername* TOO LONG
CAUSE	*rusername* is more than eight characters.
ACTION	Use the EDITOR to change the HELLO command.

MESSAGE	REMOTE USER PASSWORD TOO LONG
CAUSE	*rupasw* is more than eight characters.
ACTION	Use the EDITOR to change the HELLO command.

MESSAGE	RESTART FILE OPEN FAILED
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	ROLLBACK MUST BE DISABLED BEFORE AUTODEFER CAN BE ENABLED
CAUSE	Output deferred option (AUTODEFER) cannot be used when the database has been enabled for ROLLBACK.
ACTION	Disable ROLLBACK and enable AUTODEFER using DBUTIL. (Refer to the appropriate documentation for more information on AUTODEFER.)

MESSAGE	ROLLBACK MUST BE DISABLED BEFORE LOGGING CAN BE DISABLED
CAUSE	An attempt was made to disable logging while rollback was still enabled.
ACTION	Use DBUTIL >>DISABLE to disable the database for ROLLBACK, then logging.

MESSAGE	ROOT FILE DOES NOT EXIST
CAUSE	A root file with the name of the specified database does not exist in the logon group and account.
ACTION	Check the database name you specified and reenter the command.

MESSAGE	SEQUENCE ERROR ON LOG RECORD #n - EOF ASSUMED
CAUSE	Log record numbers are out of sequence.
ACTION	Notify the system manager and HP Support Representative.

MESSAGE	STAGING FILE OVERFLOW
CAUSE	The staging file is not large enough.
ACTION	Use a file equation to increase the file size.

MESSAGE	TIMESTAMP OUT OF SEQUENCE ON LOG RECORD #n - EOF ASSUMED.
CAUSE	Log record timestamps are out of sequence.
ACTION	Notify the system manager and HP Support Representative.

MESSAGE	TOO MANY PARAMETERS
CAUSE	Too many parameters were entered with the command.
ACTION	Reenter the command with the correct number of parameters.

MESSAGE	UNABLE TO COPY GLOBAL AND TABLE INFORMATION TO RESTART FILE
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	UNABLE TO GET NEXT LOGICAL LOG RECORD
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	UNABLE TO GET PRIOR LOGICAL LOG RECORD
CAUSE	Internal error.
ACTION	Contact your system manager.

MESSAGE	UNKNOWN COMMAND, TRY HELP
CAUSE	DBUTIL does not recognize the command you specified.
ACTION	Enter the HELP command to get the list of DBUTIL commands.

MESSAGE	USER IS NOT CREATOR OF LOGGING IDENTIFIER
CAUSE	A function or activity was attempted by someone other than the creator of the log identifier.
ACTION	Log on to the system as the user who created the log identifier or as a user with system manager (SM) or operator (OP) capability.

MESSAGE	WARNING: DATA BASE MODIFIED AND NOT DBSTORED
CAUSE	The database has been enabled for logging but a backup copy has not been made by executing DBSTORE.
ACTION	Execute DBSTORE to make a backup copy of the database.

MESSAGE	WARNING: THE LANGUAGE OF THE DATA BASE IS DIFFERENT FROM THE LANGUAGE FOUND ON THE DBLOAD MEDIA. CONTINUE DBLOAD OPERATION / (Y/N):
CAUSE	The user has changed language of database between DBUNLOAD and DBLOAD. DBLOAD wants user to be aware of potential differences in sorted chains of the collating sequence of the two languages. (The language of database on disk and database on tape are different).
	In session mode you are asked if you want to continue operation. In job mode, DBLOAD will terminate execution.
ACTION	After looking at the information, DBLOAD returns with the result on the sorted chains in the database. Continue the operation by answering Y (yes).

MESSAGE	WARNING: THE NUMBER OF DATA SETS DEFINED IN THE SCHEMA IS LESS THAN (OR GREATER THAN) THE NUMBER OF DATA SETS FOUND ON THE DBLOAD MEDIA.
CAUSE	You have added or deleted data sets from the database between a DBUNLOAD and a DBLOAD. DBLOAD will continue with the load, but data may be lost or put into the wrong sets due to an invalid set change.
ACTION	Stop the DBLOAD, correct the schema, and perform DBLOAD again. Or, if you are sure the database is not corrupt, allow DBLOAD to continue.

Utility Program Unconditional Messages

MESSAGE	AUTOMATIC MASTER IS FULL ON PATH #n
CAUSE	DBLOAD is unable to load a detail entry because the automatic master set associated with path n of the detail set is full.
ACTION	Re-create the root file with a larger capacity for automatic master. Rerun the necessary utilities.

MESSAGE	***BAD DATA BASE***
CAUSE	This message is issued by DBSTORE, DBRESTOR, and DBUNLOAD. It means the database is flagged "bad" because of a known structural error due to an abnormal termination or to a system crash during DBLOAD or some other "output deferred" operation. The current operation (DBSTORE, DBRESTOR, DBUNLOAD) continues to function normally. DBLOAD additionally prints the message "SERIAL UNLOAD FOLLOWS" and automatically operates in serial mode. The database on disk retains its "bad" flag and cannot be accessed through DBOPEN.
ACTION	The database is not usable in its current state. Purge it and restore a backup copy, or erase it and then load a tape written by DBUNLOAD or another external copy of the data.

MESSAGE	BROKEN FILE EQUATION CHAIN FOR TAPE FILE
CAUSE	Issued by DBSTORE if, in a chain of file equations, the actual device designator cannot be found.
ACTION	Check your :FILE commands and reenter them correctly before running DBSTORE.

MESSAGE	CANNOT GET EXTRA DATA SEGMENT NECESSARY FOR RESTORE OPERATION
CAUSE	DBRESTOR was unable to get the extra data segment it needed for the buffers used in the restore operation.
ACTION	Wait until system resources are available and then try again.

MESSAGE	CANNOT OPEN TERMINAL, TERMINATING
CAUSE	DBUTIL is unable to access the terminal.
ACTION	Call HP Support Representative.

MESSAGE	CAN'T CREATE NEW COPY OF FILE x (FS ERROR #)
CAUSE	MPE/iX intrinsic FOPEN failed while creating a temporary file.
ACTION	Check the file system error. Possible reasons: The specified device does not exist, or there may be insufficient space on the device specified.

MESSAGE	CAN'T GET SPECIFICATIONS VIA FGETINFO FOR THIS FILE x (FS error #)
CAUSE	MPE/iX intrinsic FGETINFO failed. DBUTIL cannot get information for the specified file.
ACTION	Check the file system error to determine cause.

MESSAGE	CAN'T OPEN FILE x (FS ERROR #)
CAUSE	MPE/iX intrinsic FOPEN failed.
ACTION	Check the file system error to determine cause.

MESSAGE	CAN'T PURGE OLD COPY OF FILE x (FS ERROR #)
CAUSE	MPE/iX intrinsic FCLOSE failed while purging the "old" file.
ACTION	Check the file system error to determine cause.

MESSAGE	CAN'T RESET MOVE FLAG FOR FILE x IN THE ROOT FILE
CAUSE	Error occurred while writing root file label to reset the database return status.
ACTION	Contact your system manager.

MESSAGE	CAN'T SAVE NEW COPY OF FILE x (FS ERROR #)
CAUSE	MPE/iX intrinsic FCLOSE failed while saving the temporary file.
ACTION	Check file system error to determine the cause.

MESSAGE	CAN'T SET MOVE FLAG FOR FILE x IN ROOT FILE
CAUSE	DBUTIL set the root file flag, and an error occurred while writing the root file label.
ACTION	Contact your system manager.

MESSAGE	CHAIN IS FULL ON PATH #n
CAUSE	DBLOAD is unable to load a detail entry because the chain count for path number n of detail set exceeds $2^{31} - 1$ (or 2,147,483,647 entries).
ACTION	Delete some of the entries and reload or change the database design.

MESSAGE	***COPY FAILED***
CAUSE	An error occurred while copying the file. DBUTIL has encountered a problem reading or writing the files. (It is possible the disk pack is bad.)
ACTION	Restore the database and try the move again. Contact your system manager if the copy fails again.

MESSAGE	COULD NOT ATTACH DATA SET n TO XM LOG FILE: FILE SYSTEM ERROR nn
CAUSE	The data set could not be "attached" to the MPE/iX transaction recovery mechanism. nn is the file system error number returned.
ACTION	Notify HP Support Representative.

MESSAGE	COULD NOT ATTACH DATA SET n TO XM LOG FILE: XM ERROR nn
CAUSE	The data set n could not be "attached" to the MPE/iX transaction recovery mechanism. nn is the error number returned.
ACTION	Notify HP Support Representative.

MESSAGE	COULD NOT DETACH DATA SET n FROM XM LOG FILE: FILE SYSTEM ERROR nn
CAUSE	The data set n could not be "detached" from the MPE/iX transaction recovery mechanism. The MPE/iX intrinsic FLABELOPEN failed. nn is the file system error number returned.
ACTION	Notify HP Support Representative.

MESSAGE	COULD NOT DETACH DATA SET n FROM XM LOG FILE: XM ERROR nn
CAUSE	The data set n could not be "detached" from the MPE/iX transaction recovery mechanism. nn is the error number returned.
ACTION	Notify HP Support Representative.

MESSAGE	COULDN'T OPEN THE DATABASE
CAUSE	There is no root file for the specified file. It is possible that the file specified is not part of the database.
ACTION	Check the file or database. Try the operation again with the correct file name.

MESSAGE	DATA BASE STATE DOES NOT ALLOW MOVE TO BE DONE
CAUSE	The database is in a state in which MOVE cannot be performed.
ACTION	Check the database. If the database has not been created, run DBUTIL >>CREATE. If the database is damaged, run recovery.

MESSAGE	DATA SET FULL
CAUSE	Data set currently being loaded is full.
ACTION	Re-create root file, increase the data set's capacity and run the utilities again.

MESSAGE	***DBSTORE FAILED - NO DATA BASE STORED***
CAUSE	A file error or other message follows explaining the problem.
ACTION	Contact your HP Support Representative.

MESSAGE	EOF SEEN, PROGRAM TERMINATING
CAUSE	An :EOF has been entered.
ACTION	Run DBUTIL again.

MESSAGE	FGETINFO FAILURE
CAUSE	DBUTIL received an error when calling MPE/iX FGETINFO.
ACTION	Contact your system manager.

MESSAGE	FILE EQUATE FOR DBSTORE DBRESTOR DBLOAD DBUNLOAD ONLY MAY USE DEV
CAUSE	If you specify an input/output file with a :FILE command for any of these utility programs, only the file designators and DEV= parameters are allowed.
ACTION	Enter :FILE command again and rerun program.

MESSAGE	FILE NOT ON TAPE
CAUSE	Issued by DBRESTOR if the database to be restored is not on the tape.
ACTION	Check your :FILE command and/or the tape you mounted.

MESSAGE	FILE x ALREADY RESIDES ON DEVICE x
CAUSE	The file specified already resides on the device.
ACTION	Continue with the next desired command, or exit from DBUTIL.

MESSAGE	FREADDIR FAILURE
CAUSE	This is an MPE/iX exceptional failure and is returned when DBUTIL calls FREADDIR.
ACTION	Contact your system manager.

MESSAGE	HARD TERMINAL READ ERROR, TERMINATING
CAUSE	DBUTIL cannot read input from terminal.
ACTION	Notify HP Support Representative.

MESSAGE	***INVALID SET COUNT***
CAUSE	TurboIMAGE/XL found an inconsistency in the data set count.
ACTION	Notify HP Support Representative.

MESSAGE	MOVE OF FILE x NOT ALLOWED: FILE IS NOT CORRECT TYPE (FILE CODE #)
CAUSE	The file specified is not a database file.
ACTION	Try the MOVE operation again with the correct file name.

MESSAGE	NO MANUAL ENTRY FOR DETAIL ON PATH #n
CAUSE	DBLOAD is attempting to load detail data set entry n, which is the number of the detail data set path referencing the manual master in question.
ACTION	Add entry to manual master with application program or QUERY. Run DBLOAD again.

MESSAGE	RECSIZE MUST BE <=$xxxx$ AND EVENLY DIVISIBLE BY 256.
CAUSE	Issued if REC= recsize parameter for DBSTORE specified a record size not modulo 256 halfwords, or greater than the configured record size of the device.
ACTION	Check the REC= recsize parameter and correct it before running DBSTORE again.

MESSAGE	ROLLBACK LOG FILE MUST BE IN THE SAME VOLUME SET AS THE DATABASE
CAUSE	MPE/iX transaction recovery requires that the MPE/iX user log file must reside on the same volume set as the database.
ACTION	Build the MPE/iX user log file in the same volume set as the database.
	NOTE: Because all files in a group are in the same volume set, the MPE/iX command LISTGROUP indicates the volume set where the database resides.

MESSAGE	SWITCH TO NM TO ATTACH DATABASE TO XM LOG FILE FAILED: XM ERROR nn
CAUSE	It is necessary to switch to NM to "attach" the database to the MPE/iX recovery system. The switch failed. nn is the switch to NM error number returned.
ACTION	Notify HP Support Representative.

MESSAGE	SWITCH TO NM TO DETACH DATABASE FROM XM LOG FAILED: SWITCH ERROR nn
CAUSE	It is necessary to switch to NM to "detach" the database from the MPE/iX transaction recovery mechanism. The switch failed. nn is the switch to NM error number returned.
ACTION	Notify HP Support Representative.

MESSAGE	UNABLE TO CONTINUE
CAUSE	DBUTIL program (operating in PURGE mode) cannot continue execution due to exceptional error in file system. This information is followed by MPE/iX file information display.
ACTION	Save the file information. Consult with system manager and HP Support Representative.

MESSAGE	UNABLE TO OBTAIN FILE LABEL INFORMATION FOR FILE x
CAUSE	MPE/iX internal procedure failed. DBUTIL cannot obtain information for the specified file.
ACTION	Contact your system manager.

MESSAGE	UNEXPECTED ROOT FILE STATE
CAUSE	The MOVE process was unable to reset the database flag. The database may be in an inconsistent state.
ACTION	Contact your system manager.

MESSAGE	WARNING: USER LOG FILE IS NOT IN THE SAME VOLUME SET AS THE DATABASE
CAUSE	MPE/iX transaction recovery requires that the MPE/iX user log file must reside on the same volume set as the database.
ACTION	Build the MPE/iX user log file in the same volume set as the database.
	NOTE: Because all files in a group are in the same volume set, the MPE/iX command LISTGROUP indicates the volume set where the database resides.

Extended Utility Program Unconditional Messages

A set of messages may be returned when an unusual condition causes TurboIMAGE/XL to fail while a TurboIMAGE/XL utility is executing. In each of the following messages, the value *xxxxx* is the location where TurboIMAGE/XL failed.

Error messages 401 through 414 are all TurboIMAGE/XL utility failures caused by failure of the TurboIMAGE/XL intrinsic specified in the message.

-3	MESSAGE	TURBOIMAGE FAILURE (FREADDIR FAILURE ON ROOT FILE AT *xxxxx*)
	CAUSE	Root file was not readable. Problem may be in hardware.
	ACTION	Notify the system manager of the error.

-4	MESSAGE	TURBOIMAGE FAILURE (FREADLABEL FAILURE ON ROOT FILE AT *xxxxx*)
	CAUSE	User's label was not readable. Problem may be in hardware.
	ACTION	Notify the system manager of the error.

-64	MESSAGE	SET NUMBERS ARE OUT OF SEQUENCE. TURBOIMAGE FAILED AT *xxxxx*
	CAUSE	The next set number on the backup volume was not what DBLOAD expected. Status element 0 has the expected set number; status element 1 has the next set number on the backup volume.
	ACTION	The schema may have been changed since the last DBUNLOAD and this DBLOAD. Add any new set the the end of the schema.

-66	MESSAGE	BLOCK NUMBERS ARE OUT OF SEQUENCE. TURBOIMAGE FAILED AT *xxxxx*.
	CAUSE	The next block on the backup volume was not what DBLOAD expected. Status elements 0,1 have the expected block number; elements 2,3 have the actual next block number; element 4 has the set number.
	ACTION	An error for a known value that was written to tape with FWRITE was found. There may be a defect in the tape or the tape drive.

-70	MESSAGE	ENTRY NUMBERS ARE OUT OF SEQUENCE. TURBOIMAGE FAILED AT *xxxxx*
	CAUSE	The next block on the backup volume was not what DBLOAD expected. Status elements 0,1 have the expected block number; elements 2,3 have the actual next block number; element 4 has the set number.
	ACTION	An error for a known value that was written to tape with FWRITE was found. There may be a defect in the tape or the tape drive.

-74	MESSAGE	THE RECORD JUST READ IS UNRECOGNIZABLE TURBOIMAGE FAILED AT *xxxxx*
	CAUSE	The record just read from the backup volume was not what DBLOAD expected. The record could be an EOF, EOT, etc. The status element 0 has one of the following codes for the record expected: 0 − tape head 1 − data file head 2 − data file block 3 − data file end 4 − tape end
	ACTION	An error for a known value that was written to tape with FWRITE was found. There may be a defect in the tape or the tape drive.

97	MESSAGE	ZSIZE ERROR WHILE CONTRACTING AT *xxxxx*
	CAUSE	A TurboIMAGE utility called ZSIZE to contract the Z to DB area of the stack. *xxxxx* is the octal location where TurboIMAGE failed.
	ACTION	Notify HP Support Representative.

98	MESSAGE	ZSIZE ERROR WHILE EXPANDING AT *xxxxx*
	CAUSE	A TurboIMAGE utility called ZSIZE to expand the Z to DB area of the stack. *xxxxx* is the octal location where TurboIMAGE failed.
	ACTION	Notify HP Support Representative.

101	MESSAGE	DBRESTOR FAILURE IN DBRESTOR AT *xxxxx*
	CAUSE	The DBRESTOR utility called MPE/iX RESTORE which encountered problems while restoring the database. A detailed error message should follow this message.
	ACTION	Take appropriate action depending on the detail message.

401	MESSAGE	DBOPEN FAILURE AT *xxxxx*
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information "Library Procedure Error Messages" earlier in this chapter.

402	MESSAGE	DBINFO FAILURE AT *xxxxx*
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

403	MESSAGE	DBCLOSE FAILURE AT *xxxxx*
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

404	MESSAGE	DBFIND FAILURE AT *xxxxx*
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

405	MESSAGE	DBGET FAILURE AT *xxxxx*
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

406	MESSAGE	DBUPDATE FAILURE AT *xxxxx*
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

407	CAUSE	DBPUT FAILURE AT *xxxxx*
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

408	MESSAGE	DBDELETE FAILURE AT *xxxxx*
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

409	MESSAGE	DBLOCK FAILURE AT *xxxxx*
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

410	MESSAGE	DBUNLOCK FAILURE AT *xxxxx*
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

411	MESSAGE	DBCONTROL FAILURE AT *xxxxx*
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

412	MESSAGE	DBBEGIN FAILURE AT $xxxxx$
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

413	MESSAGE	DBEND FAILURE AT $xxxxx$
	CAUSE	A detailed error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

414	MESSAGE	DBMEMO FAILURE AT $xxxxx$
	CAUSE	A detail error message can be retrieved by calling DBEXPLAIN.
	ACTION	For more information see "Library Procedure Error Messages" earlier in this chapter.

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User Logging

(ulogerr)

1	MESSAGE	Unable to open User Logging file !for process !(ulogerr 1)
2	MESSAGE	Unable to open User Logging buffer file !for process !(ulogerr 2)
3	MESSAGE	Can't open User Logging file !for process !(ulogerr 3)
4	MESSAGE	No data segment available for user logging process !(ulogerr 4)
5	MESSAGE	File label error on User Logging file !for process !(ulogerr 5)
6	MESSAGE	Error writing to logging buffer file !for process !(ulogerr 6)
7	MESSAGE	Error while writing to User Logging file !for process !(ulogerr 7)
8	MESSAGE	End of file on User Logging file !for process !(ulogerr 8)
9	MESSAGE	Out of disc space for process !(ulogmsg 9)
10	MESSAGE	User logging process !is running (ulogmsg 10)
11	MESSAGE	User logging process !is terminated (ulogmsg 11)

12	MESSAGE	Recovered !records for user logging process !including !opens and !closes (ulogmsg 12)
13	MESSAGE	Error while recovering user logging file for process !(ulogmsg 13)
14	MESSAGE	User logging file for process !not recovered (ulogmsg 14)
15	MESSAGE	Recovering User Logging file !for process !(ulogmsg 15)
17	MESSAGE	User logging file for process !is empty (ulogmsg 17)
18	MESSAGE	User logging process !suspended, termination pending (ulogmsg 18)
19	MESSAGE	Invalid disc user logging file for logid ! (ulogerr 19)
20	MESSAGE	Unable to start user logging process ! (ulogmsg 20)
21	MESSAGE	User logging process !in use, termination pending (ulogmsg 21)
22	MESSAGE	User logging file for logging process !not empty (ulogmsg 22)
23	MESSAGE	***** WARNING checksum failure on logging file for process !***** ***** no End Of File encountered ***** (ulogmsg 23)
24	MESSAGE	Recovered !records for user logging process ! (ulogmsg 24)
25	MESSAGE	Error reading user logging buffer file for process !(ulogerr 25)
26	MESSAGE	Error closing user logging file for process ! (ulogerr 26)

27	MESSAGE	Error reading user logging file for process ! (ulogerr 27)
28	MESSAGE	Unable to restart user logging process ! (ulogmsg 28)
29	MESSAGE	User logging file for process !not completely recovered after power fail (ulogerr 29)
30	MESSAGE	Invalid maximum number of users per process found in log table (ulogerr 30)
31	MESSAGE	User logging file for process !is too small (ulogerr 31)
32	MESSAGE	Power fail detected on ldev # !. Please put tape drive back on-line (hit LOAD, RESET, ON-LINE) (ulogmsg 32)
33	MESSAGE	Unable to open new disc buffer file !for logid !(ulogerr 33)
34	MESSAGE	Unable to open new log file !for logid !(ulogerr 34)
35	MESSAGE	New log file !for logid !would be too small (ulogerr 35)
36	MESSAGE	Write failure on new buffer file !for logid !(ulogerr 36)
37	MESSAGE	Write failure on new log file !for logid !(ulogerr 37)
38	MESSAGE	Log file for logid !has been changed from !to !(ulogmsg 38)
39	MESSAGE	Pending changelog for logid !was lost when system crashed (ulogerr 39)
40	MESSAGE	Mount new !volume for changelog of logid !(ulogmsg 40)
41	MESSAGE	Changelog for logid !failed due to error (ulogerr 41)

42	MESSAGE	Error during changelog for logid !, will try to return to previous log file !(ulogmsg 42)
43	MESSAGE	New log file !for logid !is a duplicate file name (ulogerr 43)
44	MESSAGE	File label error on new log file !for logid !(ulogerr 44)
45	MESSAGE	EOF on new log file !for logid !(ulogerr 45)
46	MESSAGE	Error closing new log file !for logid !(ulogerr 46)
47	MESSAGE	Out of disc space for new log file !for logid !(ulogerr 47)
48	MESSAGE	Error closing old disc buffer file !for logid !(ulogerr 48)
49	MESSAGE	Error closing old log file !for logid !(ulogerr 49)
50	MESSAGE	Log process for logid !has experienced a previous error with the log file, and therefore cannot perform a changelog (ulogerr50)
51	MESSAGE	Changelog from log file !to !for logid !was lost when the system went down (ulogmsg 51)
52	MESSAGE	Changelog for logid !was lost when the system went down (ulogmsg 52)
53	MESSAGE	Power fail detected on ldev # !. Serial disc recovery in progress. (ulogmsg 53)
54	MESSAGE	User logging power failure recovery COMPLETED. (ulogmsg 54)

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Workstation Configuration

(TTUTIL)

The error messages listed occur while entering data for a terminal-type or printer-type file. Messages are displayed in inverse video on the bottom line of the screen. If the error(s) are related to a field (or fields) on the screen, the fields are highlighted in full bright, inverse video. If more than one field contains an error, only the error message for the first highlighted field is displayed.

MESSAGE	Character already has other function.
CAUSE	The character entered has been defined elsewhere to have a different special meaning. Each character can have only one special function.
ACTION	Choose a different character for this special function, or release this character for use by selecting a different character for the other special function.

MESSAGE	Character value out of range.
CAUSE	The character input was out of the range of characters allowed for that function.
ACTION	Input a character within the range.

MESSAGE	File is damaged; checksum error.
CAUSE	The file has been damaged so that the checksum is no longer valid. The utility still reads the data from the file into the work area, and when saving the data back to the file, a correct checksum is generated.
ACTION	Press (Enter) again to go to the form selected. Verify the data on the screen.

MESSAGE	File is not a valid VFC file.
CAUSE	The file name specified is not a valid VFC file.
ACTION	Specify a file which is a VFC file.

MESSAGE	File is not a valid terminal type file.
CAUSE	The file specified is not a valid terminal-type file.
ACTION	Specify a file that is a valid terminal-type file.

MESSAGE	`Invalid file name.`
CAUSE	The file name specified does not meet the requirements for an HP3000 file name. It might be because the name starts with a non-alphabetic character or contains non-alphanumeric characters.
ACTION	Enter a valid file name.

MESSAGE	`File converted to MPE XL format.`
CAUSE	Informational message only.
ACTION	An action is not required.

MESSAGE	`File System Errors.`
CAUSE	If a file system error occurred when attempting to open the file specified, the file system error message is displayed in the error window.
ACTION	An action is not required.

MESSAGE	`Invalid file option.`
CAUSE	The file option given was not `C`, `M`, or `V`.
ACTION	Enter a valid file option.

MESSAGE	`Invalid form identifier.`
CAUSE	The letter entered in the form specifier field is not one of the known form identifiers.
ACTION	Enter one of the listed form identifiers in the field.

MESSAGE	`Invalid number.`
CAUSE	You attempted to input a character in numerical format, but the number was not an integer.
ACTION	Input a valid number.

MESSAGE	`Maximum number of nn characters allowed is nn.`
CAUSE	You have input more than the maximum allowed number of characters for the specified function.
ACTION	Reduce the number to less than or equal to the maximum specified in the error message.

MESSAGE	`Missing character.`
CAUSE	In the input of a string, the program is expecting another character, but none follows. This is most likely caused by two commas in a row, or a comma at the end of a line without the ampersand.
ACTION	Remove the extra comma, or insert the appropriate character.

MESSAGE	`Modification of data is not allowed.`
CAUSE	$\boxed{\text{Enter}}$ was pressed after choosing the View file option. In View mode, modification of data is not allowed.
ACTION	Use only the soft keys.

MESSAGE	`MPE/V termtype file; use Form X to convert to MPE XL format.`
CAUSE	The terminal-type file name entered in the Terminal Type File Name field is in MPE V format.
ACTION	Convert the MPE V termtype file to MPE/iX format.

MESSAGE	`Response must be in the range from nn to nn.`
CAUSE	The field contains a value that is not within the range specified.
ACTION	Enter a value within the correct range.

MESSAGE	`Response must be None, Line, Page, or Both.`
CAUSE	The field requires `N`, `L`, `P`, or `B` as a valid response, but a different value was input.
ACTION	Change the value to `N`, `L`, `P`, or `B`.

MESSAGE	`Response must be ON or OFF.`
CAUSE	The only valid entries for this field are `ON` and `OFF`, but some other value was entered.
ACTION	Change the value to either `ON` or `OFF`.

MESSAGE	`Response must be YES or NO.`
CAUSE	The field requires either a `Y` or an `N` as a valid response, but a different value was input.
ACTION	Change the value to a `Y` or `N`.

MESSAGE	`Termtype file is already in MPE XL format.`
CAUSE	Because the terminal-type file is already in MPE/iX format, there is no reason to convert it to MPE/iX format.
ACTION	An action is not required.

MESSAGE	`The field can only contain digits.`
CAUSE	The field is designed to accept only positive integers. The value entered contains characters other than digits.
ACTION	Enter a positive integer in the field.

MESSAGE	`The required field is empty.`
CAUSE	The specified field requires a value and nothing was entered.
ACTION	Enter a value in the field.

MESSAGE	`There is no next form.`
CAUSE	`NEXT FORM` was pressed when at the last form menu, and there is no next form.
ACTION	Do not press `NEXT FORM` at the last form.

MESSAGE	`There is no previous form.`
CAUSE	`PREV FORM` was pressed when at the Main Menu, or when the VFC option was selected (RUN TTUTIL.PUB.SYS). There is no previous form.
ACTION	Do not press `PREV FORM` at the Main Menu, or when the VFC option is selected.

MESSAGE	`There is no VFC defined.`
CAUSE	You specified `V` for the View file option and to go to the VFC Menu, but this terminal-type file does not have a VFC file associated with it.
ACTION	Specify a different menu.

MESSAGE	`This key is invalid when no file is selected.`
CAUSE	The function key pressed is invalid when no file has been specified.
ACTION	Specify a file name first, or press a valid function key.

MESSAGE	This option is invalid when no terminal type is defined.
CAUSE	You used N, the Name Only option, when using the VFC entry point. Therefore, there is no terminal-type file to store the name.
ACTION	Enter another option (C, M, V) in the VFC Head Menu.

MESSAGE	This option cannot be selected. The termtype currently displayed is not a printer termtype file.
CAUSE	The indicated field(s) contain invalid data.
ACTION	Either erase the indicated fields or go to another screen. Enter another option (C, M, V) in the VFC Head Menu.

MESSAGE	This option cannot be changed. The termtype currently displayed is a Network Printer termtype file, and this option is non-configurable for this type of file.
CAUSE	You attempted to modify a terminal-type file whose attributes cannot be reconfigured.
ACTION	Enter the previous value for the indicated fields again, or go to another screen. Enter another option (C, M, V) in the VFC Head Menu.

MESSAGE	Unknown character.
CAUSE	The character input does not match one of the accepted character input formats, or the character mnemonic cannot be found in the recognized list.
ACTION	Input a valid character.

MESSAGE	Unknown character input format.
CAUSE	You attempted to input a character, but the character could not be determined.
ACTION	Input a valid character.

MESSAGE	Unknown string input format.
CAUSE	You attempted to input a string, but the input could not be decoded.
ACTION	Enter in the correct string.

MESSAGE	User does not have write access to file.
CAUSE	You specified M, for the Modify file option, but you do not have write access to the file. Therefore, you cannot modify it.
ACTION	Specify a different file, or use the View option.

MESSAGE	`WARNING: data not saved.`
CAUSE	You tried to exit or specify another file name after modifying the current file but without saving the modifications made.
ACTION	Press `SAVE DATA` if you want to save the UUmodifications. If not, type `EXIT` at the command line or press `RETURN` a second time, to perform the desired operation.